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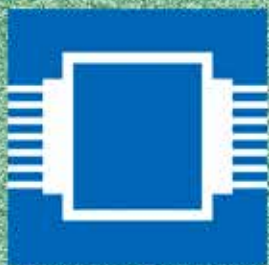
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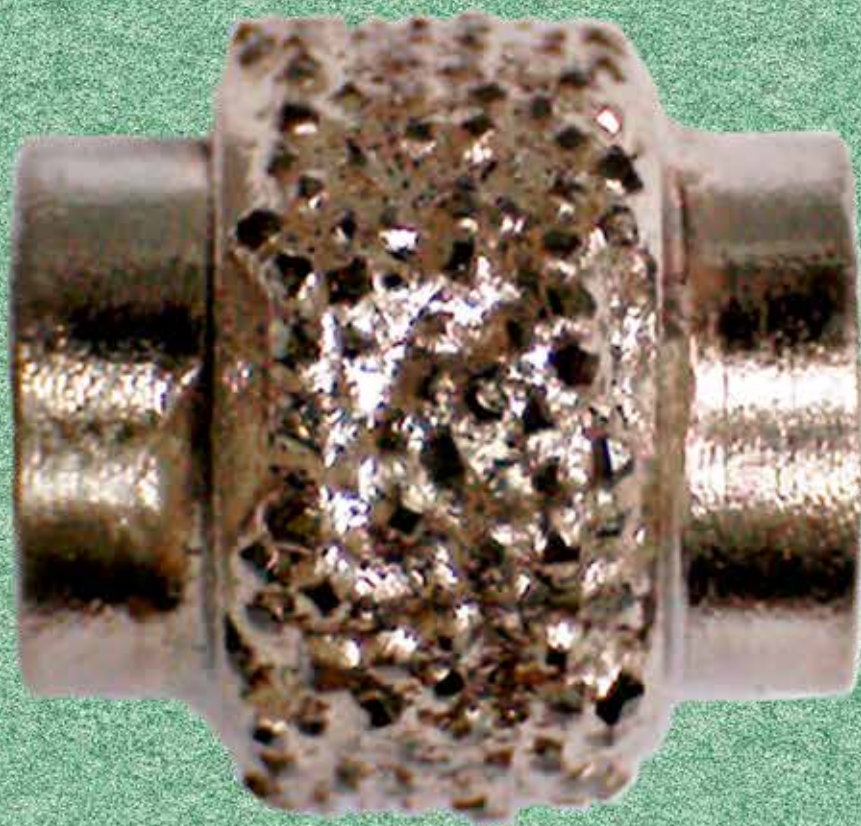
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Headwinds dominate downwind autumn 2014

Dear Reader

We are now well on the way to the end of the year, which is showing mixed fortunes. So far the second half of the year looks promising in some parts of the world, but forecast of little change in other areas. In Europe the construction related business could be summarised as okay. In some northern European markets, such as the UK, France and Germany, business is picking up. However, the situation in the southern area in countries like Greece, Italy and Spain, the situation is more or less unchanged. However, there is an indication of a slight and slow upturn in Spain.

The US construction industry is continuing to show recovery with increased growth. The Asian construction market is also considered to be healthy with China in the lead followed by India. The Middle East is showing a stronger and faster increase than expected. In Australia the construction industry growth is continuing to decline compared to the strong level in 2011 and 2012. However the industry is growing, but at a slower pace than before. The market situation in South America is very diverse and varying very much from country to country. Chile has shown a strong growth in recent years in terms of infrastructure. However, the growth was initially estimated at 3.6% this year, but has since been downgraded to 2.1%. This is due to the construction industry showing lower growth than expected, particularly in the first quarter. Colombia however, is experiencing tremendous growth of 9.6% and higher for 2014 and 2015. There is particularly strong momentum in the transport infrastructure sector, especially road projects. Argentina has shown very weak development for several years, but is finally showing some positive signs of recovery. The construction industry growth has been on the modest level of 1.5%, but it is anticipated that the growth level for the coming five years will be at around 3.3% and above. The Mexican construction industry has reported a strong expansion during the last five years, but came to a slight halt in 2013 with around 4% to 5% due to persistent delays in reviving public sector investments and depressing the housing market. But it is expected that growth will start to fall in 2014 to about 3% and 4% during 2015. In Latin America's largest economy Brazil the construction industry has been kept at an extremely high level due to many reasons, like the recent Football World Cup and the Olympic Games in 2016. But unfortunately fundamental issues in Brazil's business environment undermine the growth potential in the construction sector and things could be better if those issues were resolved. The election in 2014 has to some extent paralysed development this year. Analysts believe that 2015 to 2018 will generate a higher growth on average of around 3.8% compared to an average of 2.2% between 2011 and 2013. In the coming years construction will start on major road and airport projects, and several port and rail projects will be released for tender.

The Latin American market is of particular interest to PDi and its sister publication Professional Demolition Americas (PDA) due to our new industry event on 1-2 October 2015, the Latin American Concrete Cutting and Demolition Forum to be held in Rio de Janeiro. The preparation is well underway and more information is available on the Forum's website www.latindemoforum.org. Several industry associations are supporting the event. These include Sobratema, Brazil's association for construction and quarry machinery, ABRECON, the association for recycling of construction and demolition waste, ALEC, Brazil's rental association for construction machinery, the European Demolition Association, the Institute of Demolition Engineers, International Association for Concrete Drillers and Sawers and ICPSC, the International Concrete Polishing and Staining Conference and Concrete Polishing University. There will also be a number of lectures and round table discussions on interesting topics for the Brazilian construction industry with speakers from the Brazilian industry and abroad. A preliminary conference programme will be available shortly on the Forum's website. But we are also open to suggestions on topics from the industry.

I hope to see many of you in Rio de Janeiro in October next year.

Jan Hermansson
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Words from the IACDS President

"Quality before Quantity"

A couple of months ago I came back to the office after two days in Stockholm at the Demcon show for concrete cutting, demolition, hydrodemolition and recycling professionals. It is a small show, but I think it is fantastic to have a show for our industry. That is something we should cherish, as it is not easy to organise exhibitions these days. They can easily lose their focus and the fight to get as many visitors as possible can make an exhibition and its profile rather weak and the target audience can be lost. Demcon is unique in this case, as only professionals from industry attend and it is also close to all in Sweden, which this year amounted to about 2,500 representatives from the industry. But all these visitors were interested in machines and equipment for concrete sawing and drilling, demolition, recycling, hydrodemolition, dust and slurry management, concrete floor grinding and polishing.

I think our industries are a fantastic trade and at shows like Demcon enthusiasts meet and share experiences about what they have done with concrete. The person that leaves Demcon without having picked up any new ideas, spotted any new machines, met new and interesting people, or just collected some new energy, does not exist. The Swedish Construction Federation organised a meeting on the first day of the show. It was really great to meet everybody, new and young contractors that are fresh to this industry and all the veterans that have worked in this industry for so many years and possess so much knowledge and experience. The young and inexperienced have so much to learn from their elders, but also the young have a great deal of energy that is so valuable for this industry.

When speaking of veterans, congratulations to Lars-Olof Dahl, Gunnar Landborg and Thomas Åberg for the Honorary Awards they received at the Swedish Demolition Awards ceremony. They are really worthy recipients. To international readers of PDi I invite you all to the next Demcon to be held on 8-9 of September 2016. The Swedish concrete cutting and demolition associations will do their best to make the show even better, with more exhibitors and more visitors. But the focus will still be the same. It is better with quality than quantity. But before the next



Demcon we will, together with PDi, work hard to promote the show. And I also hope that I am going to meet many of you at the new event, the Latin American Concrete Cutting and Demolition Forum on 1-2 October 2015 in Rio de Janeiro, Brazil. The Swedish associations have decided to attend the forum and so far expect between 50 to 70 people will travel to Brazil. If you are interested in joining the travelling party please contact me. Besides attending the forum we will organise visits to jobsites in Brazil. More information about the forum can be found in this issue.

Those of you that have followed our work with creating a certification for demolition contractors should know that our work continues. In the spring we were optimistic and hoped that the work would be easier. But that is what often happens with new projects like this. Things go up and down and currently it is quite a lot of down. We from the contracting side have listed all things that we consider to be the basic knowledge needed to be labelled a demolition contractor. However, we did not think a university degree would be needed to perform demolition tasks. Our focus has been on practical working environment knowledge, competence training and work planning. But now the theorists have got more involved again and the education needs to have a pre-university status. We have now turned to the European Union for an appeal to get some support in this matter. The EU is probably good but not known for fast response and decisions. I will come back as soon as possible with more information on how this project is developing.

Lars Sandström, President of IACDS

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Words from the EDA President

Working Together!

The demolition industry is currently bigger and more connected than ever before. With associations, magazines, social networks and conferences, our industry is actively engaging customers, contractors, suppliers, engineers and public administrations.

Communication between demolition professionals and companies related with the industry, from different countries, occurs on a regular basis. The European Demolition Association is an active part on this global movement of our industry, and is aiming now to go one step further.

The next goal for the demolition industry is to work actively together towards International standards on the training of workers and the accreditation of companies. Our national associations met in the UK recently at the headquarters of the National Federation of Demolition Contractors, to study the framework of the European Professional Card. They are working actively towards a European standard for the education of demolition workers.

The same process is ongoing for the accreditation of demolition companies, where EDA wants to go further, beyond national standards, to create an international scheme to audit and certify the demolition contractors. To do so, the next EDA Annual Convention, to be held in Helsinki, Finland in June 2015, will bring together the

industry to present, debate and define a roadmap for these international standards.

We kindly invite all the associations, companies and professionals related with our trade to come and share this common goal of working together.

Pilar de la Cruz **President of the European** **Demolition Association**

About EDA

The EDA was founded in 1978 and is the leading platform for national demolition associations, demolition contractors and suppliers. The EDA has a strong focus on developments in Europe, which are of interest to the demolition industry.

info@europeandemolition.org
www.europeandemolition.org



Pilar de la Cruz, EDA President, VD Voladuras Demoliciones y Desguaces SA, Spain



Queen's Award for Caterpillar

The UK based Caterpillar Building Construction Products division has been presented with The Queen's Award for Enterprise for International Trade by the Lord Lieutenant of Leicestershire Lady Gretton. It is the highest official UK award for British businesses and recognises Caterpillar's increasing contribution to UK exports. As part of the award, Caterpillar was also acknowledged for outstanding achievement in improving environmental and social responsibilities, which included the Zero to Landfill programme and various volunteering events in the community.

Change in the Hilti Board

At the end of the year, U.S. citizen Barbara Milian Thoralfsson will join the Board of Directors of Hilti Corporation. After 21 years of service Prof. Dr. Giorgio Behr will leave the Hilti Board at the 2015 Annual General Meeting as a consequence of Hilti's term of office restriction, but will retain his position as Trustee of the Martin Hilti Family Trust. Thoralfsson, who lives in Norway, has many years' experience of industry and already serves on the boards of Svenska Cellulosa Aktiebolaget, a leading global hygiene and forest products company, and Telenor, a leading international mobile operator with operations in Scandinavia, Eastern Europe and Asia. Over her professional career, Thoralfsson has held key positions for a number of US as well as European companies. She has chief executive officer and senior level management experience in the telecom and fast moving consumer goods industries and extensive experience as a non-executive director with public and privately held global companies across diverse industries. After the AGM in March 2015, the Board of Hilti Corporation, under the chairmanship of Prof. Dr. Pius Baschera, will be comprised of Michael Hilti, Barbara Milian Thoralfsson, Kim Fausing, Heinrich Fischer, Dr. Michael Jacobi and Dr. Tis Prager.



Atlas Copco and Gesan join forces

In Spain Atlas Copco and industrial generator brand Gesan are joining forces. As a result, Atlas Copco can now provide Predictable

Power solutions to a wider range of industries through a network of expert dealers. "Atlas Copco is a strong, global brand and Gesan has a reputation for delivering quality industrial power solutions. With the addition of the Gesan product line, Atlas Copco provides Predictable Power for customers in a wider range of industries than ever before," said Atlas Copco Portable Energy vice president marketing portable power Ben van Hove. "Product development to optimize cost-efficiency, performance and operation is our primary focus." A brand within the Atlas Copco Group since 2011, Gesan becomes a dedicated Atlas Copco product line. "Gesam has an outstanding reputation with our industrial customers. That is why we are proud to continue to use the Gesan name within our Atlas Copco product portfolio," said van Hove. The Gesan line generators will have their own design in line with the Atlas Copco product branding. Unit names will follow the Atlas Copco naming standards, with all existing Gesan products to be renamed by the end of 2014. Atlas Copco will operate a dual market approach. Atlas Copco generators for industries will continue to be sold through the Atlas Copco customer centres. Atlas Copco Gesan solutions will be distributed by a dealer network. "Our goal is to get the right products to the right people using the right channels. That is why our dealers will continue to offer installation, project management, maintenance and service. What is more, we're actively looking to expand our dealer network," said Atlas Copco Gesan line business development manager Jose Antonio Gomez.

Keltbray boosts turnover

The UK contractor and service provider Keltbray increased turnover to £126M for year ending 31 October 2013, up 15% from £126M the previous year. Gross profit improved by 29% and operating profit remained stable at £2.6M. Keltbray Group employs around 800 people and has three reporting streams, including Demolition & Civil Engineering, Rail and Environmental Materials Management, and since reporting on the company's performance last year, Keltbray has shown a steady growth, which remains ahead of the general market recovery.

"I am pleased about the continued strengthening of our performance and our consistent improvements in turnover growth and maintenance of operating margins," said Keltbray chief executive Brendan Kerr.

"We expect to continue to stay ahead of the construction market recovery by growing the business in excess of 20% cent in 2014 based on our good pipeline of work. Our challenge for 2014 and 2015 will be to meet the widely reported skills shortages in our industry by widening the talent pool and continuing to build on our track record of attracting young people to Keltbray by offering good prospects, job security and a range of training and development opportunities."



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Atlascopcosaurus celebrates 30th anniversary

Not every company has a dinosaur species officially named after it, but Atlas Copco was awarded that privilege 30 years ago when a newly discovered plant eating species of dinosaur was given the generic name *Atlascopcosaurus*. The gesture honored the company for supporting archaeological research carried out by paleontologist Dr. Thomas H. Rich at Dinosaur Cove, Victoria, Australia. An estimated 2m to 4m long and weighing about 125kg, *Atlascopcosaurus* loads belonged to the *Hypsilophodontidae* family and lived during the early Cretaceous Period, 100M to 120M years ago. The name loads refers to Atlas Copco's manager in Victoria Bill Loads who made the decision to support the project. Dinosaur Cove is on the southeast coast of Australia. Dr. Thomas H. Rich from the Museum of Victoria and Patricia Vickers-Rich from Monash University led research projects there for a period of 10 years. During his first in 1980, Dr. Rich and two colleagues discovered fragments of rock-embedded bone. Four years later, a group made up of hundreds of student volunteers, paleontology scientists and miners began excavations. Atlas Copco was among those involved and, during the next few years, contributed equipment and expert assistance to the project. In conducting excavations, the research group's equipment included Atlas Copco rock drills of various sizes, pneumatic tools and compressors. Dr. Rich was grateful for Atlas Copco's support and impressed with the reliability of the equipment. "It was because of that record of reliability that, when much later in 2007 I excavated an experimental tunnel to recover dinosaurs from permafrost on the North Slope of Alaska, I insisted on having Atlas Copco equipment to do the job," said Dr. Rich.

Conexpo Latin America exhibitor information meeting

Conexpo Latin America held an exhibitor information meeting recently in Santiago, Chile, where construction equipment manufacturers and related industry companies received details about exhibiting at the show to be held on 21 to 24 October 2015 in Santiago. Show owner and organizer, the Association of Equipment Manufacturers, discussed business conditions and opportunities in Chile and Latin America, and they outlined how exhibitors can improve their business results by participating in this international show in the region. Delegates included global and Latin America equipment manufacturers as well as international media and government representatives. Exhibit space sales are open for the show. Construction chambers and top

construction contractors across Latin America will gather at the inaugural Conexpo Latin America as the Inter-American Federation of the Construction Industry (FIC) supports the show. All of the national construction industry chambers in Latin America are represented in FIC. Company owners and senior executives of construction contracting companies typically participate in chamber activities.

"These are the key decision makers and end users in the region, and we value this endorsement. This co-location is a wonderful opportunity to bring these industry leaders closer together with our members, and to strengthen our working relationship with FIC," said AEM president Dennis Slater.

LiuGong supports transit construction along the Silk Road Economic Belt

The Forum for Transport Construction and Logistics of the Silk Road Economic Belt was held in Xinjiang in September. It is a national platform aiming at promoting the transit transportation industry. Guangxi LiuGong Machinery chairman Zeng Guang'an attended the forum and gave a speech on LiuGong Supports Transit Construction along the Silk Road Economic Belt (SREB). The Silk Road is the trade route traversing the Asia-Europe continent. Due to the harsh topography, large, sparsely populated area and lack of large modernized construction equipment, transit construction has been a problem. However, with the progress of science and technology, China's construction equipment manufacturers, provide immense support for the transit construction. "Being the best in class leader in manufacturing a full line of extreme duty equipment, LiuGong provides comprehensive solutions for the construction and maintenance of roads, railways, airports and tunnels, said Zeng. "Besides, LiuGong is the company that understands extreme conditions. Our machines are specifically designed to be reliable and easily maintained and repaired in remote and rough conditions."

It has been more than 10 years since LiuGong put forward its global strategy. Now the company has grown to have more than 400 dealers in 130 counties. From cooperating with global leading companies Cummins and ZF to establishing a factory in India and completing the biggest merger & acquisition project in Poland, LiuGong has planned a strategy layout along the silk road economic belt. LiuGong has taken root in the countries along the SREB, providing sales outlets, service and parts in Russia, Mongolia, Germany, Poland, Latvia and Pakistan. With the acquisition of HSW, LiuGong has built up a strong dealer network and a marketing landscape along the



SREB. Clients, no matter whether in the south, centre, or north of the SREB, can enjoy timely and effective after-sales services.

Chicago Pneumatic appoints Bulgarian distributor

Chicago Pneumatic has appointed Mercury Invest as its authorised distributor in Bulgaria. With a large customer base ranging from civil engineering to road construction contractors, the new distributor will help CP strengthen its position in Eastern Europe. "This is an important market for Chicago Pneumatic and represents a potential area of growth," said CP South East Europe business development manager Thrassos Pitsilos. "As a well-established distributor in Bulgaria, Mercury Invest will play a major role in helping us strengthen our market share in the region."



IronPlanet launches allEquip

In the US IronPlanet, the online marketplace for buying and selling used heavy equipment, has launched allEquip.com, an online, buy now marketplace of used construction equipment. "IronPlanet's allEquip offers online buyers the convenience of a buy now marketplace for the ready-to-work equipment they need now," said IronPlanet chief executive officer Greg Owens. "With a wide selection of equipment, buyers can purchase equipment online anytime at competitive prices with confidence knowing the equipment was inspected and guaranteed. We are committed to making the buying and selling of equipment faster and easier. The allEquip buy now marketplace gives sellers another option to sell their equipment in addition to IronPlanet's auctions, both having access to IronPlanet's global buyer base of over one million potential buyers."

allEquipSM manages the complete transaction between the buyer and the seller, from equipment listing on the site through final payment. Every item for sale has a guaranteed inspection report, a buy now, haggle-free price, and can be quickly purchased directly from the site with a click of a button. The detailed inspection reports provide a thorough description and photos of the equipment's condition and features. These reports are backed by allEquip's 100% guarantee, which ensures

that the reports are a true representation of the condition of the equipment. Like IronPlanet's inspections and IronClad Assurance programme, the allEquip guarantee provides buyers from around the world the confidence to purchase equipment online. allEquip offers companies with extensive inventory of used equipment, including rental companies, OEMs, contractors and financial services companies, a new channel to deliver higher value and quick sales for their fleet disposal requirements. allEquip's reach to buyers around the world and the attraction of a wide variety of equipment for sale every day backed by guaranteed inspection reports, results in a cost-effective sales channel for equipment owners, the company claims.

CP expand distribution in Estonia

Chicago Pneumatic has expanded its operations in Estonia with the appointment of two new authorised distributors, Melker Baltik OÜ, which will distribute handheld compaction equipment and handheld hydraulic tools, and Alas Kuul AS, which has been appointed to handle sales of portable compressors and handheld pneumatic equipment.

"With these strategic appointments, Chicago Pneumatic has further strengthened its presence in Estonia and Eastern Europe," said CP Scandinavia and Baltic business development manager Ralf Majchrzak. "Both Alas Kuul and Melker Baltik have a real depth of experience and knowledge of working with construction companies in Estonia, which we fully expect will boost awareness and sales of Chicago Pneumatic's construction equipment solutions in the country."



LiuGong one of WEF's Global Growth Companies

The World Economic Forum made its selection of Global Growth Companies in Tianjin, China. LiuGong, along with 12 of the region's high-growth companies, was the only one in China's construction machinery industry on the list. GGCs are fast-growing companies with the potential to become global economic leaders. The 14 nominated GGCs from China represent a broad cross section of industrial sectors, but share in common a track record in exceeding industry standards in revenue growth, promotion of innovative business practices and demonstration of leadership in corporate citizenship. For more than 55 years, LiuGong has taken action in its globalization strategy, resulting in its ranking as the 20th largest construction equipment manufacturer in the world. In the future, LiuGong will remain confident and stick to its global market strategy with long term plans, continuously improving product quality.

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Size does matters

The exclusive distributor of Trevi Benne products for the Spanish market BYG, has delivered the first Shear Marilyn CS 160RS to contractor Francisco Mata. The company, in the Iberian Peninsula, operates in the field of recovery, treatment, sale of ferrous materials and in the industrial demolition and dismantling of ships. The CS 160RS will operate in one of four facilities owned by the company for the demolition and complete reduction of large ships, profiles of considerable size and metal structures with substantial thickness. The reduced materials will be sent to a foundry for recycling. The shear is the most powerful of the Marilyn Series and is mounted on a Liebherr R 994 excavator. The shear weighs 15.5t and is 5m tall. It has a jaw opening of 1.1m and a blade force of 1,300t.

Blue Group's RWM show success

Since Blue Group was formed in the UK 11 years ago the company has exhibited at the annual recycling and waste management show to introduce new products to the market. This year was no exception and was rewarded with sales worth over £2m during the three-day event in September at the Birmingham NEC. Orders included two Doppstadt shredders, a Powerscreen mobile screening plant and, through Group company Blue Fuchs, two MHL 320s and one MHL 331 long reach wheeled materials handlers. Group company BlueMAC, designers and manufacturers of MRF systems and equipment, made its UK show debut at this year's RWM since its launch late last year. Two BlueMAC bespoke MRF plants were sold and the new BlueMAC Mobile Eddy Current metals separator generated a lot of interest with demonstrations requested. Other new products and distribution partnerships also featured on the Blue Group. Blue's newest distributorship for Hartl screening and crushing buckets saw the launch of the new HBC950 jaw crusher bucket for the demolition and recycling industries.

"Without doubt this has been our most successful RWM exhibition and the most productive trade show in our history," said Blue Group chairman Pat McGeary. "The new products and distributorships we launched at RWM, together with our established ranges, gave our team the best possible platform to take advantage of this annual industry showcase. The gratifying resurgence in the industry means that ev-



everyone is busy and time is of the essence so, on behalf of the whole team at Blue Group, I would say a huge thanks to all those who took the time to visit our stand throughout the event and we look forward to welcoming you all again at next year's show."

Cuts Diamant opens a branch in Canada

Cuts Diamant has recently opened its own branch in Canada to strengthen its commercial presence in North America and to provide quick deliveries and an efficient after sales service. The branch is located in Strathmore, near Calgary and represents a further step to improve the Cuts Diamant services in Canada and the US. "North America is one of the most promising markets for Cuts Diamant and for its products. Through the opening of this new branch, we will be able to quickly respond to the rising demand



coming from this region," said Cuts Diamant managing director Mario Cavazzoni. "We are glad to serve this innovative and complex market. This branch will also be used as a training centre for our customers and for our local partners."

LiuGong given distinguished Award at BEI Asia Awards

In Singapore in September the Creative Group held the Built Environment Industry Asia Awards for the second year with the Distinguished Award going to LiuGong for the highest financial turnover and number of years in the industry. BEI is the first of its kind in Singapore, and recognizes, reward, and honours the achievements of leading enterprises across Singapore's Built Environment Industry. The awards acknowledge local and locally-based companies that have demonstrated excellence in establishing successful businesses, while engaging in best business practices such as corporate social responsibility through sustainable efforts.

"As one of the leading construction equipment manufacturers in the world, LiuGong has been honored with quite a few notable Chinese awards, such as the national

quality award, but this is our first such award outside of China. To be awarded this honor from BEI is very special to LiuGong," said LiuGong vice president Joseph Wong. "This recognition will spur us on to continue our pursuit of excellence in the manufacturing of construction equipment placing technology, quality and environmental performance in the forefront of our global pursuits."

Liebherr turnover stagnates

Turnover for the privately owned Liebherr Group slipped by 1.4% or EUR126.6 in 2013 to EUR 8,963.6M from EUR 9090.2M in 2012. The Liebherr Group's construction machinery and mining area, comprising the earthmoving, mobile crane, tower crane, concrete technology and mining divisions, accounts for rather less than two-thirds of total group turnover and in 2013 it dropped by 4.1% or EUR 238.5M to EUR 5,630.4M from the previous year. Liebherr is forecasting group turnover for 2014 to be similar to 2013, though development will differ from one division to another.



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Above the young concrete cutters of class BT11 that recently finished their apprenticeship.



Godi Benz, a well-known face within the concrete cutting industry for many years, is now retiring as diamond teacher at BWZ Professional School.

Switzerland is one of the countries where the job of cutting concrete is a recognized trade. The apprenticeship lasts three years and young people learn these skills in the diamond service contracting company in which they are employed and in training courses held by the Swiss Association SVBS

in Bellach (www.svbs.ch). Theoretical training and further education takes place at the Professional School BWZ in Zofingen (www.bwzofingen.ch).

The young concrete cutters of class BT11 recently finished their apprenticeship.

On 2 July one female and 13 male trainees received their certificates that qualify them as concrete cutting specialists. All passed the several days of practical and theoretical examinations. The Swiss Association SVBS and Professional School BWZ congratulated the members of the group and wished them success in the continuation of their careers.

Also in July, diamond teacher Godi Benz, who was responsible for teaching diamond machines and consumables to Class BT11 in the 3rd year, also left BWZ to enjoy retirement.

Concrete cutting specialists celebrate diploma



The "Concrete Cutting Teacher Godi Benz" at one of his classes.

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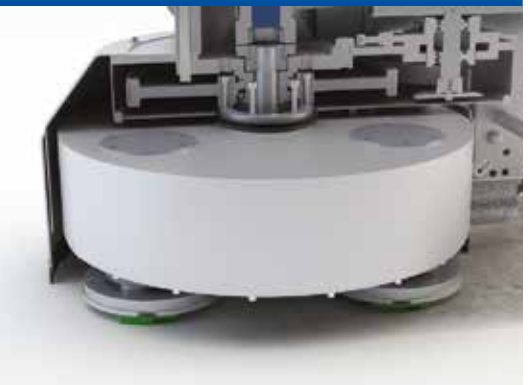
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SDLG's new parts depot in Singapore



Shandong Lingong Machinery, known as Lingong, continues to expand distribution of its SDLG branded construction equipment into global markets. It is also improving its aftermarket offering by opening warehouses for fast spare parts delivery. Adding to its existing parts distribution network direct from its factory in Linyi, China, and through its parts depot in Bangalore, India, Lingong

has opened a new SDLG parts warehouse in Singapore to serve the South East Asian markets. Lingong currently sells a range of SDLG wheel loaders and motor graders in South East Asia, with other road and construction equipment products set to launch this year. "We are proud to be one of the first Chinese manufacturers to open a parts depot in South East Asia," said SDLG sales

support manager Anthony Neo. "By having all of the common consumable parts for our expanding product range on our customers' doorsteps, we are improving SDLG parts availability and service response time to improve machine uptime for our customers."

SDLG machinery is distributed through a network of dealers. "The most important factor for our customers when purchasing new equipment is machine uptime," said Neo. "Having reliable and trustworthy technicians to attend to any service or maintenance issues on site is extremely important, as is easy access to spare parts. With South East Asian markets being a key focus for SDLG, we are doing all we can to improve product support for our customers."



Flannery Plant Hire choose Atlas Copco

Flannery Plant Hire, one of the oldest and largest plant hire firms in the UK, has purchased more than 100 Atlas Copco hydraulic breakers in a deal worth over £1M (EUR1.28M). The deal includes solid body small breakers to suit carriers from 1.1 to 8t and medium breakers to suit carriers from 10t to 26t.

"The investment in Atlas Copco was to ensure the quality and reliability of our fleet," said FPH director Patrick Flannery. "It is very important that there is no down time as it leads to greater customer satisfaction. You can have the best machine in the world, however if the breaker is not up to scratch it lets the machine down."

FPH was established in 1972 and now has over 1,600 machines operating from two main hubs in Wembley and Manchester. The Atlas Copco range of breakers are seen as some of the hardest hitting with a claimed



market leading power to weight ratio. Less hydraulic input power is required from the carrier whilst maintaining impact performance. Low vibration and noise levels, combined with dust protection, help to prevent damage to the breaker and carrier.

"Flannery is a major player in the plant hire industry and to choose Atlas Copco is a great commendation of a product that has proved it can stand up to the rigours of the UK plant hire industry," said Atlas Copco regional sales manager Nick Anwyl.



Sandvik appoints new vice president of sales

Sandvik Construction appointed Martin Friedl to the post of vice president sales area central Europe effective from the 1st September 2014. He will also continue in his current role as sales area manager for Russia. Sandvik Construction sales area central Europe represents a large opportunity for Sandvik due to the upturn of the German market, and the potential of the eastern European markets. Friedl brings to his new role a wealth of experience from within the construction industry and many years with Sandvik. Friedl will report to vice president global markets northern and central Europe, Harri Leinonen.

Case appoints new importer in Norway

Case Construction Equipment has appointed A-K Anleggsmaskiner as its importer covering Southern and Central Norway. A-K Anleggsmaskiner AS will support Case customers from its headquarters and showroom in Kløfta near Oslo. "We are pleased to bring Case Construction Equipment to the market as we are convinced that the brand is a perfect fit with our business and we look forward to establishing and developing Case in the region to provide the support that Case customers deserve and need," said A-K Anleggsmaskiner managing director Henrik Schill. Case customers in the North of Norway will continue to be supported by Dagenborg Maskin.





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Latin American Concrete Cutting Rio, October 2015 well supported

This is the first in a series of articles presenting the Latin American Concrete Cutting and Demolition Forum that will take place in Rio de Janeiro, 1-2 October 2015.

Since PDi Magazine was first published in 2000 the focus during the first decade was mainly on Europe, the US and Australia. That was because the products and methods the magazine covered were mainly used in those areas.

Wider use of methods

But during the last five to six years the signals about methods covered in PDi has come closer and closer from other markets like in Asia, Middle East, Africa and South America. In particular the Latin American market has stood out. This is clear proof that these methods have become more adapted in the entire world and in particular in Latin America. Markets in this region that stick out are Chile, Bolivia, Colombia, Venezuela, Mexico and Brazil. As Brazil is the largest market in Latin America

**Moderator,
José Blanco.**

and one of the four BRIC regions it is of particular interest for PDi. The region is of particular interest to manufacturers of various machines, tools and systems for concrete sawing and drilling, demolition, recycling, dust management, cleaning of hazardous waste and grinding and polishing of concrete floors. A booming construction market in particular in Brazil has resulted in a growing interest for new methods and equipment among contractors.

Diversified economical situation

The market situation in South America is very diverse and varies from country to country. Chile has shown strong growth in recent years in terms of infrastructure. However, the growth was initially estimated at 3.6% this year, but has since been downgraded to 2.1%. This is due to the construction industry showing lower growth than expected, particularly in the first quarter. Colombia however, is experiencing tremendous growth of 9.6% and higher for 2014 and 2015. There is particularly strong momentum in the transport infrastructure sector, especially road projects. Argentina has shown very weak development for several years, but is finally showing some positive signs of recovery. The construction industry growth has been at the modest level of 1.5%, but it is anticipated that the growth level for the coming five years

will be around 3.3% and above. The Mexican construction industry has reported strong expansion in the last five years, but came to a slight halt in 2013 with around 4% to 5% due to persistent delays in reviving public sector investments and depressing the housing market. But it is expected that growth will start to fall in 2014 to about 3% and 4% during 2015. In Latin America's largest economy Brazil the construction industry has been kept at an extremely high level due to many reasons, like the recent Football World Cup and the Olympic Games in 2016. But unfortunately fundamental issues in Brazil's business environment undermine the growth potential in the construction sector and things could be better if those issues were resolved. The election in 2014 has to some extent paralysed development this year.

Analysts believe that 2015 to 2018 will generate a higher growth on average of around 3.8% compared to an average of 2.2% between 2011 and 2013. In the coming years construction will start on major road and airport projects, and several port and rail projects will be released for tender. But overall, despite claims of recession, there are an extensive number of building projects going on in Latin America.

Strong support from trade associations

That is why PDi, in partnership with the new North and South American magazine Professional Demolition Americas, has taken the initiative to organise a concrete cutting and demolition forum in Brazil next year to highlight these issues in order to meet the demand in these sectors and stimulate further growth in the region. The forum is supported by several well-known industry bodies both in Brazil and the rest of the world. These bodies are:

- **Brazilian Association of Technology for Construction and Mining (SOBRATEMA)**
- **Brazilian Rental Association for construction machinery and equipment (ALEC)**
- **Brazilian Association for Recycling of Construction and Demolition Waste (ABRECON)**
- **European Demolition Association (EDA)**
- **Institute of Demolition Engineers (IDE)**
- **International Association of Concrete Drillers and Sawers (IACDS)**
- **International Concrete Polishing and Staining Conference, ICPSC and Concrete Polishing University**

Forum dedicated to professionals

The Forum is dedicated to serving the interests of Latin America's concrete sawing and drilling, demolition, recycling and concrete floor grinding and polishing industries, as well as contractors, manufacturers, suppliers, and trade associations. Its programme is intended to inform, educate, stimulate discussion, and train in order to advance the professional and economic growth of the region's concrete cutting, demolition, and recycling sectors. For manufacturers and distributors, the Forum

will be an ideal opportunity to meet a large number of professional contractors and also rental companies. It will be a unique and highly valuable networking and promotional opportunity.

A venue in Rio

The first Latin American Concrete Cutting and Demolition Forum will take place at the Sheraton Rio Hotel and Resort in Rio de Janeiro, Brazil, 1-2 October 2015. This two-day seminar will feature a number of presentations of different topics and discussions on current and emerging topics of particular interest to Latin America's concrete cutting and demolition contractors. The Forum programme is still being finalized, but the following is a tentative list of topics:

General Draft of Forum Programme

MORNING SESSION OCTOBER, 1-2015

8.30 Registration

WELCOME AND OPENING REMARKS

9.00 Jan Hermansson, PDi Magazine Editor
9.10 Jim Parsons, PDi Magazine, Senior Editor
9.15 José Blanco, Moderator

OPENING SPEAKER

9.15-9.30 Institutional opening

SESSION ONE – CONCRETE CUTTING

9.30-9.45 The Concrete Cutting Marketplace, facts and figures Global, Brazil and Latin America as a whole
9.45-10.00 ALEC – professional concrete cutting and demolition in Brazil
10.00-10.15 Case Study: Concrete sawing and drilling of bridge in Brazil
10.15-10.30 EQUIPMENT FOCUS – High Frequency vs Hydraulic equipment
10.30-11.00 Morning coffee
11.00-11.20 Case Study: Concrete sawing and drilling in industrial environments, Brazil

SESSION TWO – DEMOLITION

11.20-11.40 The Demolition Marketplace, facts and figures Global, Brazil and Latin America as a whole
11.40-12.00 Case Study: Brazilian long reach demolition project
12.00-12.15 EQUIPMENT FOCUS – speaker to be confirmed
12.15-12.30 Case Study: Selective bridge demolition in a major Brazilian city

12.30-1.30 LUNCH

SESSION THREE – REMOTE CONTROLLED ROBOTS

13.30-13.50 Remote controlled demolition robots – The method, urban demolition and industrial applications
13.50-14.10 Use of demolition robots in Brazil. Advantages and disadvantages
14.10-14.25 EQUIPMENT FOCUS – speaker to be confirmed
14.25-14.45 Case Study: Robotic demolition in major Brazilian city

SESSION FOUR – RECYCLING

14.45-15.05 ABRECON – The Brazilian marketplace for recycling of demolition waste
Round table discussion proposed by ABRECON
15.05-15.20 EQUIPMENT FOCUS – speaker to be confirmed
15.20-15.30 Case Study: Major recycling project



sobratema.org.br



abrecon.org.br



alec.org.br



iacds.org



europeandemolition.org



ide.org.uk

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2015**

FORUM



of demolition waste in Brazil
15.30-16.00 AFTERNOON COFFEE OUTDOORS
(Product demonstrations outdoors
during afternoon coffee)

SESSION FIVE – DEMONSTRATIONS

15.30-17.00 Demonstrations of remote controlled demolition
robots, Hydrodemolition, concrete cutting equipment,
dust extraction, etc. Stations for audience to circulate.

MORNING SESSION OCTOBER, 2-2015

8.30 Registration

SESSION SIX – CONCRETE FLOOR GRINDING & POLISHING

9.00-19.30 Why invest in Concrete floor preparation
and polishing equipment?
History, current situation and the future
9.30-9.50 EQUIPMENT FOCUS – speaker to be confirmed
9.50-10.05 ICPSC presentations and training classes
10.05-10.20 Case Study: Presentation of concrete floor
grinding and polishing case study
10.20-10.30 EQUIPMENT FOCUS – speaker to be confirmed
10.30-11.00 MORNING COFFEE

SESSION SEVEN – DUST & SLURRY MANAGEMENT

11.00-11.20 The basics of dust management
11.20-11.35 EQUIPMENT FOCUS – speaker not confirmed
11.35-11.55 Case Study: Inner city dust management
– speaker not confirmed
11.55-12.30 EQUIPMENT FOCUS – speaker not confirmed
12.30-13.30 LUNCH

SESSION EIGHT – HYDRODEMOLITION & CONCRETE REPAIR

13.30-13.50 The basics of Hydrodemolition
– the method, robots and frames
13.50-14.05 EQUIPMENT FOCUS – speaker not confirmed
14.05-14.20 Case Story: The sensitive method for efficient
concrete removal – speaker not confirmed
14.20-14.35 EQUIPMENT FOCUS – speaker not confirmed

SESSION NINE – PRODUCT DEMONSTRATIONS IN THE OUTDOOR AREA

14.35-15.30 ICPSC TRAINING CLASSES
14.35-15.30 Demonstrations of demolition equipment, concrete

sawing and drilling system, hydrodemolition
robots, concrete floor grinding machines and
dust extraction equipment outdoors
15.30-16.00 AFTERNOON COFFEE (served outdoors parallel
to the product demonstrations)

SESSION TEN – PRODUCT DEMONSTRATIONS

16.00-17.00 ICPSC TRAINING CLASSES
16.00-17.00 Demonstrations of demolition equipment, concrete
sawing and drilling system, hydrodemolition
robots, concrete floor grinding machines and
dust extraction equipment outdoors

Marketing of the Forum

Since May 2014, the Forum's organizers have been work-
ing with the region's trade associations and others to raise
awareness about the event through a variety of direct
contact and media channels, including various Latin
American trade magazines and news sites. The Forum
will also be promoted at a number of trade exhibitions in
North and South America.

Languages

All information and promotional material will be available
in Portuguese, Spanish, and English. During the Forum,
all presentations and speeches will be simultaneously
translated to and from these languages. Printed materials,
presentations, and speech texts will also be available in the
three main languages.

Table-top Exposition

Concurrent with the forum, a tabletop exposition
will provide a venue for manufacturers, suppliers, as-
sociations, and contractors to promote their products
or services. There will also be an outside demonstration
and training area. Registration information for booths
and tabletop exposition space is available at [www.latin-
demoforum.org](http://www.latin-
demoforum.org).

Presentations and hands-on Training

The Forum will offer a variety of useful and informative
presentations on the advantages with various industry
methods, products and tools, as well as extensive hands
on training classes. Sessions include operation of re-
motely controlled demolition robots, hydrodemolition
techniques, core drill systems, wall and wire saws, dust
extraction and concrete slurry containment, and removal
of concrete floor coatings. In addition, special concrete
floor polishing seminars and polishing training classes will
be held in cooperation with the International Concrete
Polishing Institute.

Website

All information about the Forum can be found on the
website www.latindemoforum.org, which is continuously
updated. Proposals for additional topics and presentations
are also welcome and will be given due consideration for
the programme. The website also provides portals for
participating in the Forum, reserving exhibition space,
and making travel and hotel arrangements. There are
also links to Forum partners and supporters, associations
and exhibitors.

Sponsorship opportunities

The Latin American Demolition Forum 2015 offers a wide
variety of sponsor packages for manufacturers, suppliers,
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are organizing the Forum.

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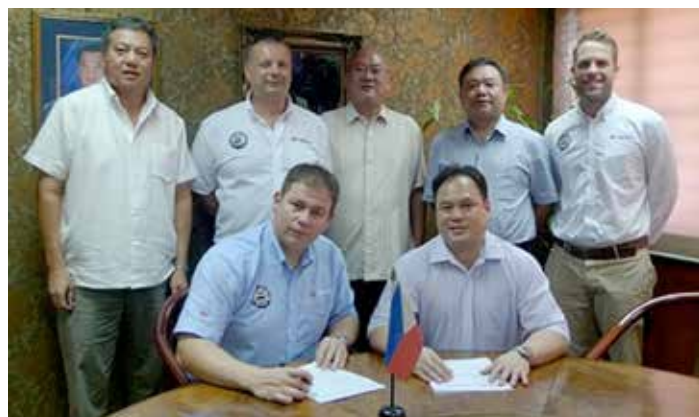
Terex Trucks appoints Philippines dealer

In a move that strengthens its global dealer network, Terex Trucks has appointed Geoforce Trading and Services Corporation as the official distributor for its articulated and rigid haulers in the Philippines. Based in Makati, Geoforce also has two further regional offices in the capital Manila and Surigao del Norte, from which the company serves its customer base across the Philippine archipelago.

"Appointing Geoforce helps ensure a strengthened local presence for Terex Trucks in this market," said Terex Trucks Asia Pacific sales director John Bennett. "Gold, nickel, copper and chromite deposits in the Philippines are among the largest in the world, and our rigid

and articulated hauler ranges suit local market requirements very well. This, combined with the excellent local service and customer support provided by Geoforce augurs well for customers in this expanding economy."

"We welcome our partnership with Terex Trucks and are proud to represent the brand throughout the Philippines," said Geoforce president Lawrence N. Tan. "As we begin our journey in promoting and strengthening Terex Trucks in our market, we do so knowing that we are carrying the best brand when it comes to heavy equipment. We truly appreciate the confidence Terex Trucks has placed in Geoforce."



Articulating boom improves versatility

In the UK demolition and recycling company Sutton Services, of Lakenheath in Suffolk, has added a JCB JS260XD crawler excavator with a triple articulating boom to its fleet of specialist equipment. With a length of 6.24m, the articulating boom is longer than the standard 5.85m monoboom, providing an increased digging depth of up to 12.12m with a 3.53m dipper arm and a digging reach at ground level of 11.13m. This additional length also provides improved access for high-reach work with a range of demolition attachments.

However the articulating boom also allows the operator to work right up to the tracks, particularly useful when operating with a grab or shear and handling demolition waste. The JS260XD is equipped with a full array of auxiliary piping, providing Sutton with a machine that can be used with hydraulic breakers, pulverisers, shears



and grapples.

The excavator's quick hitch has been converted to work with existing buckets and attachments and the additional 27t weight of the XD machine provides a stable base for a range of demolition and recycling attachments. The JS260XD has gone to work at the nearby RAF Mildenhall air base, where it is being used to demolish an accommodation block. "The JS260XD with the articulating boom gives us better reach," said operator Robert Saunders. "We have been using JCB excavators for a long time and we thought we would try the

articulating boom to see how it performs in demolition. Not only does it give me more reach, but I can work right in by the tracks if needed, which means there is less need to move the machine. I'm really happy with it so far. The boom makes it easier to work with a bigger machine, even in a confined site."

Sutton Services was formed in 1992 and has been operating from its current location in Lakenheath since 1994. With a range of machines from 2.5t right up to the 26t JS260XD, plus crushing and screening machinery and a fleet of road-going tipper,

Sutton is well equipped to carry out a range of demolition and recycling operations for customers throughout East Anglia. All of the company's JCB equipment is supplied by local dealer Watling JCB, with the company providing essential back-up and service work when required.

"Watling has been very good to us, very reliable, and they are one of the main reasons that we buy JCB machines," said Sutton owner Glenn Sutton. "You ring them up and you get an answer straight away. They are a really good dealer."

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Chicago Pneumatic launches new generators

International construction equipment manufacturer Chicago Pneumatic has expanded its range of generators with the launch of new 50Hz and 60Hz stationary models. The CP SG stationary generators are designed for easy positioning and operation by contractors on sites. CP said that the CP SG units are ideal for operators seeking a consistent source



of primary power while working day in and day out in a wide variety of construction applications. The addition of the new stationary generators gives CP the opportunity to offer a complete line of portable, mobile and stationary generators for the first time.

New JRB Nexus coupler for wheel loaders

In the US attachments and couplers manufacturer Paladin Attachments has added the JRB Nexus cast multi pick-up coupler for wheel loaders. The company claims to have created a unique product to increase productivity and visibility for wheel loaders using multiple attachments. While lighter than an equivalent fabricated coupler, the carbon steel casting design gives it 30% more strength and up to 11% more flex prior to yielding than a fabricated coupler. The coupler offset has also been reduced to provide up to a 26% improvement in breakout force impact, improving the performance and productivity of the coupler system. The design optimizes the weight distribution of the coupler, bringing the centre of gravity closer to the machine for better load stabilization.

The JRB Nexus is designed to pick up both ISO and 416 attachments and features replaceable ISO pins and 416. The new coupler design also features additional visibility in the centre of the coupler for improved load management and safer operations when using fork attachments. Operator visibility of the hydraulic plunger aids in proper attachment engagement. The JRB Nexus is available for a variety of popular OEM machine models.

paladinattachments.com



McLaren rubber tracks for mini excavators

In the US McLaren Industries is offering its NextGen TDF series rubber tracks for mini excavators. Unlike jointless cable tracks, the SpoolRite belting technology used in the NextGen TDF series is a proprietary system that increases the tensile strength of the tracks' internal structure. It is a pre-stressed, aligned, non-overlapping continuous belting system, which guarantees equal tension throughout the track belts. This reduces the chance of link ejection and structural damage of the track, and it significantly improves the track strength.

McLaren's tracks also feature a crack and cut quarantine system, which is a series of narrowly spaced lug bars that contain the growth of any accidental cut or crack. By

preventing the spread of the surface damage, it provides a longer service life.

Other standard features include a four-step metal-to-rubber bonding, proprietary rubber compound formulation, rubber coated wear resistant guiding system, continuous rubber roller pathway, and double-offset tread pattern.

"When a mini excavator has to do a hard job, track durability is one of the most critical factors for the undercarriage," said McLaren Industries marketing manager George Zafirov. "Our NextGen TDF series rubber tracks set a new industry standard for longer track life, maximized return on investment, better ride and performance on harsh terrain."

Hilti delivers another substantial profit increase

Over the first eight months of the current business year, the Hilti Group has posted sales growth of 7.8% in local currencies. Despite continued negative exchange rate effects, the Group has managed to increase both its operating result (+23.8%) and net income (+34.3%). Compared to the corresponding period of the previous year, sales in Swiss Francs grew by 3% to CHF 2945M. The difference in sales growth expressed in local currencies reflects the continued negative exchange rate effects, in particular in the emerging markets.

The most dynamic sales increase was recorded in Latin America where sales have grown by 17.3% in local currencies. Double-digit growth rates were also achieved in Eastern Europe / Middle East / Africa (+14.5%) and Asia/Pacific (+11.8%). In North America, sales were up 7.3% year-on-year. Europe has also posted single-digit sales growth (+4.7%) in a continued highly heterogeneous market environment. Further progress with productivity enhancements resulted in a continued improvement of profitability. In the first eight months, the operating result increased by 23.8% to CHF 362M. At CHF 272M, net income was up 34.3% year-on-year.

The Hilti Group continued to expand

its investments. Research and development expenditure grew by 16.3% (CHF 143M), while headcount increased from 21,225 to 21,947 (+3.4%).

"We are still operating in a very heterogeneous and volatile economic environment and the challenging exchange rate situation, particularly in emerging markets, continues to negatively impact our results," said chief executive Christoph Loos. "Against this backdrop we are pleased with our development and take important investments to prepare for future growth."

For the full 2014 business year, the Hilti Group continues to expect sales growth in the lower single-digit range and a significant increase of profitability. The Hilti Group supplies the worldwide construction industry with technologically leading products, systems and services that provide construction professionals with innovative solutions and superior added value. The Group employs around 22,000 people in over 120 countries who passionately create enthusiastic customers and build a better future. Hilti generated annual sales of CHF 4.3bn in 2013. Hilti's corporate culture is based on integrity, teamwork, commitment and the courage to embrace change. The headquarters of the Hilti Group are located in Schaan, Principality of Liechtenstein.



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200 enthusiastic participants at RM Xperience Days 2014

Rubble Master customers and sales partners were once again able to enjoy the RM Xperience Days. The compact crushing equipment manufacturer Rubble Master demonstrated two of its mobile RM crushers to its customers as part of the event. Prior to this the company presented what makes it stand out in terms of service and consulting plus the technological highlights of the Rubble Master machines. Many of the enthusiastic customers seized the opportunity to purchase one of the crushers shown there and then.

"The fact that customers visit us from all corners of the globe is a clear sign of our customers' and sales partners' commitment

to us and confirmation that our focus is on customer relations and service," said Rubble Master chief executive Gerald Hanisch. "Guests from Chile to New Zealand were captivated by the RM products and the RM spirit. A number of contracts were also signed as a result."

The 200 guests were particularly impressed by the product demonstration, which featured an RM 100GO! recycling concrete with an extremely high iron content and an edge length of the feed material of up to 600mm. The RM V550GO!, the fully mobile sand and gravel plant was shown in action together with the RM CS4800 final screen.

In keeping with the sense of edutainment there was an extremely varied side programme in addition to the technical highlights and benefits of the RM crushers. During the course of their stay guests were treated to both cultural and culinary delights from Linz. The visit to the voestalpine Stahlwelt and St. Florian Monastery were just two of the highlights enjoyed by the visitors to the RM Xperience Days.

Rubble Master is in the pole position not only when it comes to mobile crushers. Saturday saw customers and sales partners competing against each other in a kart race. Drivers battled for victory with the accent on fun and friendship at the RM racetrack in

Linz Südpark. "At Rubble Master the business relationship begins once the machine has been purchased," said Hanisch, emphasising the importance of customer loyalty measures. Events such as the Xperience Days are just one example of numerous activities initiated by Rubble Master to offer customers and sales partners comprehensive service also after the contract has been signed. The RM Academy, the company's own training centre with the very latest technology, customer loyalty programmes and lifetime machine service are just as important to Rubble Master as the innovative further development of the machines.

www.rubblemaster.com



- Demolition- & Sorting grabs - DRG
- Static pulverizers
- Multi-Quick Processors
- Dedicated Demolition Line
- Scrap shears
- Railcutter

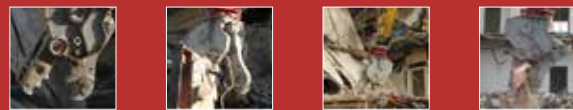


Demolition and sorting grabs - DRG



Multi-Quick Processors - MQP

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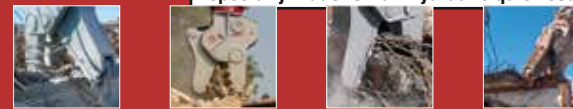
Dedicated Demolition Line - DLC/DRC

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Dedicated Demolition Line - DLD/DRD

Especially made for full hydraulic quick coupler systems



Dedicated Demolition Line - DLP/DRP

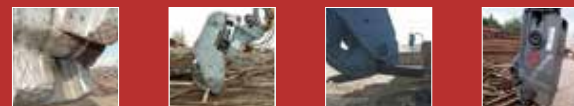
Especially made for full hydraulic quick coupler systems



Static pulverizers - DSP



Scrap shears - DRS



Railcutter - RC



CP breakers perform in Indian quarry



Chicago Pneumatic's hydraulic breakers and portable compressors are playing a key role in India's expanding granite building stone industry. A testament to this is Kerala-based granite quarry, National Granite and Hollow Bricks, which is using CP1150 and RX22 hydraulic breakers and a CPP60E portable air compressor to perform essential breaking and drilling operations.

As part of the quarrying process, the granite rocks generated from blasting need secondary breaking to fit into the jaw crushers. For this operation, National Granite

turned to CP and purchased its first CP1150 rig-mounted medium hydraulic breaker in 2006, followed by a RX22 a few years later. "We are impressed by the toughness and reliability of Chicago Pneumatic hydraulic breakers, which are proving ideal for our quarrying operations," said National Granite managing partner, Mohamed Nazeer. "Having already clocked 10,000h and 5,000h respectively, our CP1150 and RX22 are helping us increase our quarry's overall productivity with low maintenance costs."

www.cp.com



Heavy stitch drilling

In the UK a team from D-Drill have helped to remove a 4.4t concrete block during major works at Pembroke Power Station in south Wales. D-Drill was called in by main contractor Woodenbale 2000 who were awarded the contract to open an existing sealed chamber at the power station's cooling water pump house.

With no access points, a block of concrete 1.65m in diameter had to be removed to create the opening. The sealed chamber was covered by pre-cast concrete lids with stitch anchors and lifting eyes glued in place to stabilise the concrete during the drilling stages.

Tests were carried out to ensure the anchors and eyes would be able to withstand the full weight of the concrete section being removed and once, they passed, it was hooked up to an overhead gantry crane to support it.

This allowed D-Drill to carry out stitch drilling with two Weka DK 22 coring rigs



drilling 100mm diameter holes. D-Drill and Woodenbale 2000 worked together to devise a solution to remove the concrete section by crane, which took five days.



DEMCON 2014 holds its position



On 2-3 September the Scandinavian biennial demolition show Demcon was held for the third time at Infra City north of Stockholm. The popular show kept the style of previous years .

Besökarantalet på årets DEMCON nådde nästan upp i samma nivåer som rekordåret 2012.

The vast majority of visitors were professionals in the sectors the show covers, such as concrete cutters, demolition contractors, recyclers, scrap metal companies, flooring contractor, builders and many more.

Held its position

Approximately 50 companies exhibited and almost all the main suppliers to the demolition market of the Nordic countries were represented. Suppliers to the drilling industry were also very well represented, but some of the suppliers to the heavy demolition industry in Sweden were absent. However, the organizers of Demcon very pleased with the outcome, as visitors were of the same high quality as previous shows. Just over 2540 visitors attended during the show's two days and a very similar number to the previous Demcon in 2012.

"I am very pleased with the attendance, almost the whole Scandinavia demolition family came and the atmosphere was at its peak," said Demcon project manager Jan Hermansson. "With so many shows in Sweden, we are extremely pleased that we kept our visitor numbers when many exhibition

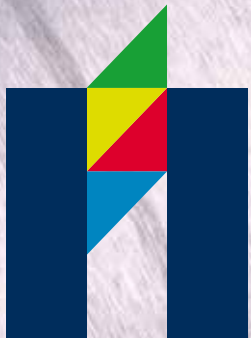
organizers wrestle with dramatic reductions of both visitors and exhibitors."

Demcon's visitors came from all over the country, although entrepreneurs from Stockholm and the valley of Malaren were dominant. There were also a large number of visitors from the neighbouring countries of Finland, Norway, Denmark, the Baltic States and Russia. At this Demcon there were no international meetings in conjunction with the show. However, the European Demolition Association held a meeting with some Nordic demolition contractors and the Swedish trade unions for concrete cutters and demolition contractors had a meeting for its members. Also for the first time the concrete cutters association arranged their own meeting, which attracted a few hundred participants.

Novelties

There was a steady stream of visitors during the two days of the fair, which featured a lot of very interesting exhibits. One of the manufacturers of diamond wire, Widecut from Korea, had their world premiere of their new brazed wire. Husqvarna

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Construction Products revealed its new range of high cycle concrete cutting equipment along with some new concrete floor grinding machines. The Swedish dealer Andersen Contractor displayed products from Trevi Benne and Avant Tecno. The remotely controlled demolition robot from Avant Tecno was especially interesting for visitors, as many of the Swedish contractors are very used to operating this type of machine.

Pullman Ermator showed its wide range of air purifiers, dust extractors and cyclones. On the neighbouring SDC stand a constant stream of visitors viewed the company's wide range of diamond tools from Arix, Levanto and concrete cutting systems from Pentrunder. Next to SDC was Tractive with their Pentrunder concrete cutting products.

Opposite stood Dustcontrol, possibly with the fair's coolest booth. Its display had a stylish design and furniture with a vintage touch. On one side of the booth there were graffiti artists who created an interesting painting during the two days. One of the fair's largest booths hosted Tyrolit, which showed most of its wide range of diamond tools and sawing and drilling equipment. Other exhibitors included Jernevik Maskin, which showed a range of smart tools for concrete cutting.

Next to Dustcontrol was Scanmaskin, which demonstrated its new propane-powered floor grinder, the first of its kind in Europe, which works well with Pullman Ermator propane-powered dust extractor. Adjacent to Scanmaskin was the Finnish company Levanto. The company revealed that it had strengthened its representation in the Nordic countries by acquiring all the shares in the Norwegian company Scandiamant in Røros. It also announced that it had become a reseller for Pentrunder equipment in Sweden and Norway.

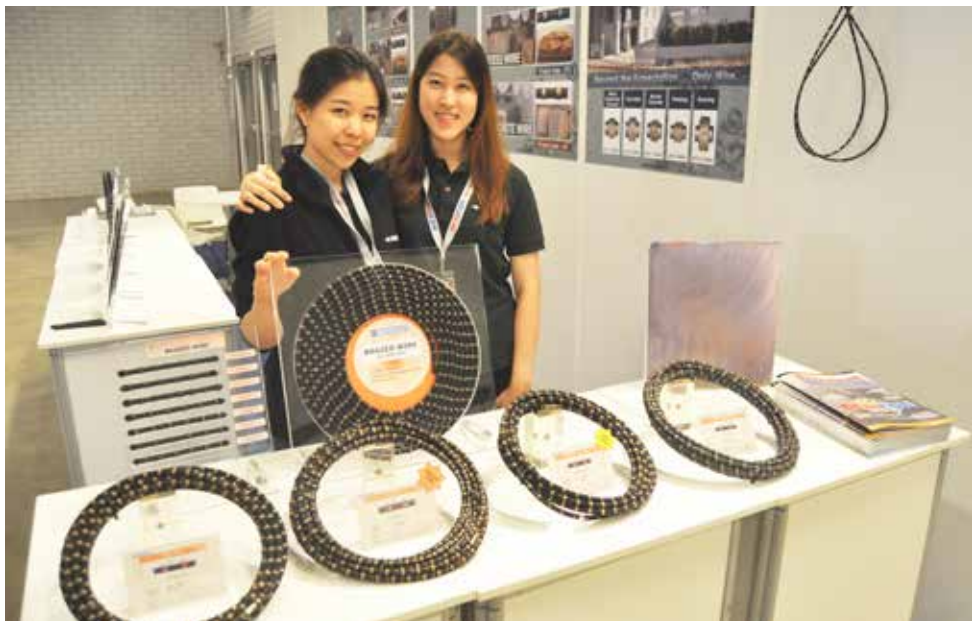


Happy faces in Jack Midhage AB's booth.





The exhibition hall was filled to capacity and other exhibitors included Hilti, HTC, SILA, IDAB, Bosch, Blas-trac, SMC, Bobcat, Brokk, Jack Midhage and Lekana. Jack Midhage showed its wide range of diamond tools, hard metal tools, machinery and equipment for sawing and drilling, and its new range of air purifiers with ionization called Oxysan. The company Mpirium released a new type of lockable stand at the show and was exhibited on the SDC booth. This is a smart stand with gyro function that can be stretched between roof and floor offering a very steady and easy set up for concrete cutters.



Shelly Han (left) and her sister showed among others Korean manufacturer Widecuts new brazed wire.

Also this year Demcon had an outdoor area and included OP System, which showed their brands of demolition and recycling attachments and machines like Demarec and a wide range of mobile recycling crushers from Rubble Master. Outdoors also featured product demonstrations of concrete sawing and drilling equipment, as well as concrete floor grinding and polishing machines. Hilti attracted a big crowd of people for each of their demonstrations and Husqvarna, Tyrolit and Enva Tech also demonstrated their equipment.

Also this year there was a special area for hydrodemolition. Exhibiting were the world's two largest manufacturers

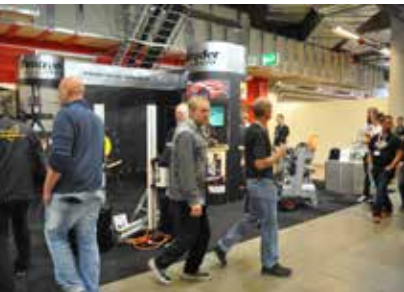


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Below DEMCON's pretty hostesses.



of hydrodemolition equipment, AquaJet Systems and Conjet from Sweden. These were complemented by exhibits from Swedish hydrodemolition contractors Waterjet Contracting and BVA Group.

The Swedish Demolition Awards 2014

Every two years, in conjunction with Demcon, the Swedish Demolition Awards are presented to contractors and manufacturers. The Awards scheme was founded by the Scandinavian magazine Professionell Demolering and is operated in collaboration with the Swedish Concrete Sawing and Drilling and Demolition Associations. The award ceremony was held on the evening of the first day of the fair in conjunction with the Demcon party, which was held at the Scandic Infra City Hotel Ballroom and attended by over 250 guests. This year a prize was given in nine categories and a new category for this year was The Swedish Hydrodemolition Award. On average, three companies were nominated in each category, as below:

Category	Nominees	Winner
Demolition Contractor of the Year:	Demcon Trellegräv Destroy Rebuilding Company	Demcom
Demolition Project of the Year:	Destroy Globax Rivners	Globax
Concrete Cutter of the Year:	Håltagarna Borrt teknik Borrt kompaniet Öhlund Borr & Säg Void	Void
Concrete Cutting Project of the Year:	Öhlund Borr & Säg Void, Hälmetodik in Lulea, Hus & Mark in Strängnäs	Öhlund Borr & Säg
Manufacturer of the Year:	Brokk AquaJet Systems	Brokk
Safety & Working Environment Award	Husqvarna Brokk	Husqvarna
The Grand Innovation Award:	AquaJet Systems Husqvarna	AquaJet Systems
The Swedish Hydrodemolition Award:	Conjet AquaJet Systems Waterjet Entreprenad	Conjet
Swedish Demolition Awards Honorary Awards:	Lars-Olov Dahl Gunnar Landborg Tomas Åberg	

Each winner was welcomed to the stage and winners gave a short acceptance speech. Brokk took the award for Manufacturer of the Year for the second time in a row and the company's marketing communications manager Eva Skinner made a short speech and told the audience a little bit about Brokk's history. Demcon was a big success and the date has been set for the next show on 8-9 September 2016 at Infra City. Finally the organiser would like to thank all exhibitors and visitors for attending the show and making it such a great event.

www.demcon.se



The winners of this years Swedish Demolition Awards.





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Klindex Hercules 450 with DCS System

The Klindex Hercules 450 with DCS System combines the features of two different machines. Using the Hercules in counter rotating mode it performs grinding and polishing for concrete, marble and natural stone floors. Using the machine with the DCS System the speed of the satellites is increased, turning the Hercules into a high performance industrial floor preparation machine suitable for removal of resins and glues, exposing of the aggregates and levelling of uneven surfaces.

Main features are working width of 450mm with three 200mm tools, speed of tools ranging from 450 to 1000revs/min, gearbox with hardened steel gears for a longer life, no noise during the work and an automatic levelling planetary system.

Klindex Waterfire

The Klindex Waterfire is a hand grinder with adjustable head, for polishing countertops, shelves, tables and narrow areas. It can be used as a concrete or marble edge grinder, as well as a stairs bush-hammer and as a joint chaser. It is claimed to be the only hand grinder with IP54 protection and has exceptional asynchronous motor strength, compared to a traditional hand grinder. It has oversized gears and bearings, compared to a traditional hand grinder and has the possibility to be supported by a back spherical wheel cart to achieve a perfectly flat surface. There are front LED lights to illuminate the working area, a rotating head feature, for joint chasing, speed switching for grinding



and polishing and wet or dry grinding.

www.klindex.it

Case upgrades Skid Steer And Compact Tracked Loaders

Case Construction Equipment has updated its skid steer loader and compact tracked loader ranges. The 10 compact models of seven skid steers and three tracked loaders deliver improved efficiency through the use of Tier 4 engine solutions, providing increased power and torque and reduced operating costs.

Case is offering an upgraded small-frame model, the SR160 to replace the SR150, one of the company's best sellers. The new model has a larger and cleaner engine delivering up to 15% more power. The smallest SR130 is now powered by a Tier 4 Interim engine that uses internal cooled exhaust gas recirculation without the need of additional particulate filters.

The mid-range SV185 and SR175 skid steers are powered by Tier 4F engines. However through the use of a turbocharger and high-powered common rail fuel injection with electronic control, there is no requirement for regeneration on these engines. A maintenance free diesel oxidation catalyst system enables compliance with stringent Tier 4F.

Similarly the SR200 and TR270 machines can meet Tier 4i without regeneration. The most powerful SR250, SV300, TR320 and TV380 models all use a turbocharged engine with multiple injection high pressure common rail, plus an electronically controlled wastegate that delivers superior pressure stability within the turbocharger.

www.case.com

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Downwell demolishes former children's hospital

A former children's hospital in the East End of London is undergoing complete regeneration thanks to assistance from Downwell Demolition.

The Queen Elizabeth Hospital for Children in Tower Hamlets was formed from the merger of two separate children's hospitals during World War II. For the following 50 years the hospital provided care for sick children with the original facility expanded throughout this time.

Minimal disruption

One of the first buildings to be dispatched was the nurses' accommodation block at the rear of the hospital. Once cleared of asbestos and soft stripped, the structure was demolished by one of the company's Komatsu PC450 high reach demolition rigs complete with rotating grapple. This soft-touch demolition improved reclamation rates but also ensured minimal disruption to nearby houses and offices, "This project has one of the strictest vibration tolerances the company has ever encountered. The local council has set a tolerance of 1mm/s, which means we have to be very careful when carrying out demolishing work at the site," said Downwell Demolition director Matt Phillips.

Having successfully levelled the nurses' accommodation, Downwell Demolition is now priming the Haywood building and the low rise Accident and Emergency block for demolition. This includes the removal of asbestos by the company's own asbestos division, Inner City Environmental. The original Victorian building at the front of the site is also set to be demolished, but its street front facade will be retained.

Quite challenging

"The conventional demolition is relatively straight forward, but the site's location, coupled with the complexity of facade retention means the overall project is quite challenging. Thankfully, we have the resources, experience and skill to deliver the scope of works safely and expeditiously," said Phillips.

Once the former hospital has been demolished, the concrete foundations will be broken out, crushed and removed, leaving the developer a plot to build 188 residential properties.



TRUE ATTACHMENTS

This year attachment manufacturers have been busy expanding their portfolios with new tools. Core products have not been neglected, but the main thrust has been to offer users an ample choice of demolition and recycling attachments. Andrei Bushmarin reports.

In the current volatile economic and political climate, companies try to hedge their risks by diversifying their businesses. This is also true for the demolition attachment industry. The current trend shows that suppliers look to strengthening their core product lines and augment them with supplementary or related items.

Atlas Copco diversifies into drum cutters and hydro magnets

Atlas Copco, based in Sweden, has extended its offering with an eight-model line of drum cutters. Weighing from 200kg to 2.9t, the devices fit 1t to 50t carrier machines. Introduced as a complementary product to Atlas Copco hydraulic breakers, the drum cutters are suitable for a wide range of mining and construction applications, including rock or concrete surface profiling, trenching, frozen soil excavation, soft rock excavation in quarries, demolition and dredging. They can also be used underwater at a depth of 30m without additional installation. Low noise and vibration levels make the drum cutters a good choice for jobs in sensitive urban areas. Due to small particle sizes of the milled material, it can be used as a backfill material without further crushing.

Another addition to Atlas Copco's range of hydraulic attachments is the Hydro Magnets, which allow iron and steel to be separated quickly and easily from concrete debris for recycling. Installed on existing grapples or shears, they require no extra generator or an electrical output on the carrier. The Hydro Magnets are available as fixed and mobile units with a chain link. Magnet load capacities range from 280kg up to 7.5t. Apart from economic benefits, the use of Hydro Magnets reduces the risk of damage to crushers, conveyor belts and truck tyres.

www.atlascopco.com

Genesis extends scrap grapple line and launches a new concrete processor

The US based scrap processing specialist Genesis Attachments has announced that its GSG Scrap Grapple series is now available in 10 sizes. Ranging in capacity from 0.4m³ to 1.9m³, the GSG grapples fit 20t to 80t

material handlers and can be employed for a wide variety of tasks. The new models feature identical steel bearings with dust seals at pivot points, reverse-mounted cylinders that protect the rods from damage, a heavy-duty cylinder guarding system, high-torque continuous 360° rotation and easily replaceable abrasion-resistant tips. The main fields of application for these tools are sorting of construction and demolition waste, scrap processing and bulk material handling.

Also new from Genesis is the GDR 400 Genesis demolition recycler, which is the latest addition to the manufacturer's family of concrete processors. With a 1,219mm jaw opening and 1,041mm jaw depth, the GDR 400 is an all-rounder equally applicable for high-reach and standard projects as well as road and bridge demolition. It is available with either concrete cracker or pulveriser jaw, with each option ensuring high productivity and low noise and dust levels. Fitting 40t to 55t excavators, the new demolition recycler is the largest in Genesis's current line-up of concrete processors.

www.genesisattachments.com

Pladdet grabs industry's attention

Netherlands-based Pladdet might be a rookie player in international terms, but it does have a 50 year track record in attachment manufacturing. Although the company makes various types of excavator implements, Pladdet's main expertise lies in demolition and sorting grabs.

Its portfolio of grabs currently includes 16 models, available either in rotation or non-rotation versions and ranging in service weight from 75kg to 3t. The two best-

selling models are the PRG3-500 for 10t to 15t tracked and 10t to 19t wheeled excavators, and the PRG4-700/800 for 20t to 32t tracked carriers. Weighing in at just 895kg, the PRG3-500 features an impressive closing force of 46kN and jaw opening of 1.9m. The larger PRG4-700/800 boasts the same combination of a high closing force and a low weight.

Both models come complete with two Parker rotation motors. The grabs are mounted to the frame using just one pin that increases the robustness of the entire set-up. Pladdet grabs feature 3x reversible blades, with countersunk bolts and nuts, which ensure

easy pick-up and release of the material.

www.pladdet.biz

Hydraram rediscovers its breaker roots

Hydraulic breakers were one of the first products with which the Dutch

supplier Hydraram started its business some 20 years ago. Since then, the company has diversified into all types of attachments for demolition and recycling applications. But this year Hydraram has decided to return to its roots and launched a brand-new line of hydraulic breakers.

The Hydraram FX series includes 14 models, varying in operating weight from 100kg to 7t. Hydraram has built its new range around the principle of simplicity. Their breakers feature a simple and robust construction, with very few moving parts. According to the company, the idea behind the new range has been to offer a breaker with a full set of options at a low cost. As a result, Hydraram breakers come complete as standard with the sound and vibration proof housing, an air connection for underwater demolition and a connection for central lubrication.

www.hydraram.com

Dehaco saddles up the Ibox

Hydraram's fellow Dutch supplier Dehaco has followed suit by launching a 13 model line of hydraulic breakers called Ibox. The brand name intends to convey the notion of strength of the mountain goat of the same name. According to Dehaco, since being launched in late 2013, Ibox breakers are steadily gaining recognition in western and eastern European markets. The new range varies in operating weight from 105kg to 3.78t and fits 0.8t to 55t carriers.

Ibox hammers sport a whole new look, with a redesigned housing, special holes for checking the side



ACHMENT

rods and an improved connection for underwater applications.

www.dehaco.nl

Rammer debuts a new breaker boom at Steinexpo

Rammer used the Steinexpo exhibition in Germany to premier the new pedestal-mounted breaker boom B300, specifically developed for mobile crusher applications. Designed to tackle blockages in the crusher chamber, the B300 comes equipped with a 315kg Rammer 777 hydraulic hammer. The boom boasts a maximum reach of 4.2m and 360° rotation. The radio controlled unit features oversized expander pins and robust pivot points for greater wear resistance, a centralized lubrication system and maintenance free bearings. All hoses are fully protected against wear and impact.

www.rammer.com



Industry Wheels Out New Loaders Galore

Wheel loaders are the backbone of the building industry and are equally indispensable for construction, demolition, recycling, road building and material handling tasks. Wheel loaders have always been a focal point for construction machinery suppliers, but this year they have excelled with a raft of new machines. Andrei Bushmarin reports.

The wheeled loader segment is flush with news this year and Caterpillar alone has launched 10 models. PDi reviews some of the latest wheel loaders.

Compact wheel loaders

It is the compact equipment segment that generated most of the news. Small in stature but nimble and versatile, compact wheel loaders are in big demand by various industries, and suppliers have risen to the challenge by wheeling out quite a number of new and improved models.



Avant Tecno unveils the world's biggest mini

Finland-based Avant Tecno is one of the world's leading trendsetters in compact construction machinery. This year the company has added a new mini, the Avant i760, to its extensive range. Being pitched as 'the world's biggest mini-loader,' the Avant i760 is currently the most powerful machine in the manufacturer's line. It comes equipped with a Kohler KDI 42kW, 225Nm diesel engine, complying with the Tier 4 Final emission standard. Designing such an engine has been a tall order for Kohler, which is said to have poured EUR30M into the project. These efforts resulted in an engine that does not require a diesel particulate filter or AdBlue diesel exhaust fluid. Low emission levels and, therefore, low fuel consumption levels are achieved by using a high-pressure common rail fuel injection system, turbocharger, intercooler, cooled

exhaust gas recirculation, four valves per cylinder technology and a diesel oxidation catalyst within the exhaust system. But the engine is not the only new feature. Compared to its forerunners, the maximum drive speed has been increased to 30km/h and auxiliary hydraulic oil flow to 80litre/min. The machine also boasts larger tyres for better handling and reduced ground pressure.

www.avanttecono.com

Two compact Cats

The 910K and 914K compact wheel loaders are among the ten models being world-premiered by Caterpillar in 2014. Both machines feature Caterpillar's optimized Z bar loader linkage, allowing them to work with the digging power of conventional Z bar machines, while also providing the parallel lift of an integrated tool carrier. Powered by a 69kW, EPA Tier 4-Interim / EU Stage IIIB engine, the new machines feature an improved Cat Hystat hydrostatic drive system and redesigned cabs. The Cat Hystat system now allows for a 40km/h top speed, while a switch in the right console provides on the go shift between two speed ranges. The electronically controlled hydrostatic transmission delivers maximum rimpull in both ranges and automatically regulates speed during downhill travel. Refinements to the cab's design include better visibility of the work tool, the result of the new loader linkage design and compact hydraulic hose routing, as well as control layout modifications. The cab features two the side entry doors, low effort electro hydraulic joystick, suspended pedals, tilt steering wheel, air-suspended and heated seat and optional security key-



pad. The multi function joystick also incorporates transmission and differential-lock controls and accommodates controls for two, three, and four valve hydraulic systems,



including proportional control of the auxiliary circuits.

www.cat.com

Komatsu launches a user friendly compact

The new 7t wheel loader WA100M-7 from Komatsu Europe embodies the idea of compactness and user friendliness. According to the manufacturer, even inexperienced drivers will find it easy to operate. Boasting a net power of 66kW, the WA100M-7 comes with a Komatsu Stage IIIB/EPA Tier 4i certified engine SAA4D95LE-6. It features an advanced electronic control system managing airflow rate, fuel injection and combustion parameters. The after treatment functions serve to optimise performance, reduce fuel consumption and emissions, and to provide diagnostics. Komatsu's Stage IIIB system includes the variable flow turbocharger and an exhaust gas recirculation valve. Optimised for construction applications, the WA100M-7 delivers high torque even at low engine speed, and has a high rimpull and enough reserves for the most difficult ground conditions. A fully automatic, hydrostatic transmission transmits the power to all four wheels, while a 132litre fuel tank ensures long operation. With a hydraulic quick coupler and a delta boom for proper visibility of the quick coupler pins and attachments, the WA100M-7 also features easy fork cinematic for high breakout force and parallel movement during forklift application. The WA100M-7 has an enlarged two door cab, with a low centre of gravity.



Head clearance has been enhanced and steps have been added for easier access.

www.komatsu.eu

Liebherr to premier two models at GaLaBau

Liebherr used the GaLaBau 2014 trade show in Nurnberg to debut the compact loader L 506 and stereo loader L 509 Speeder, both featuring the stage IIIB/Tier 4i diesel engine technology. The technology is already incorporated in the company's large and medium size loaders shown at Bauma 2013. The common rail fuel injection optimises the combustion process and, in combination with a diesel particulate filter, reduces the emission of harmful substances. Weighing 5.5t, the L 506 is powered by a 46kW diesel engine and comes with a 0.7m³ capacity 4 in 1 bucket. With the weigh of 6.39t, the stereo loader L 509 Speeder has a tipping load of 4.43t. It features a 54kW diesel engine and a fork carrier and has a top speed of 30km/h.

www.liebherr.com

Mid and heavy-duty range

The heavy-duty end has turned out to be almost as newsworthy as the compact one, with Volvo CE, Hitachi Europe, Case and Caterpillar the chief newsmakers.

Volvo CE launches H series

Volvo CE's latest H series of mid-range and heavy-duty wheel loaders includes six models, ranging in weight from 18t to 39t. All machines feature a Volvo Tier 4 Final/Stage IV emissions compliant engine with fully automatic regeneration. Fuel efficiency of the engine is further enhanced by the Volvo powertrain and intelligent hydraulics, which supply power only on demand.



The load-sensing hydraulics improves control over the load. Volvo's patented OptiShift drivetrain is available on the larger L150H, L180H, L220H and L250H model as standard and optionally on the smaller L110H and L120H. The OptiShift drivetrain includes the reverse by braking function and a new lock up torque converter with free wheel stator. It creates a direct drive between the engine and transmission, eliminating power losses in the torque converter. The reverse by braking function senses the loader's direction and slows the machine when the operator wants to change direction by reducing engine speed and applying the service brakes automatically. This increases operator comfort and reduces stress on the drivetrain. The OptiShift allows fuel consumption to be reduced by up to 18% depending on the application. The new series also boasts an Eco pedal. It activates a mechanical pushback force when the accelerator is used excessively, thus encouraging the operator to ease off the throttle, which, in turn, contributes towards reducing fuel consumption.

www.volvoce.com

A Tier 4Final compliant model from Case

Case has kept abreast of the competition by introducing a wheel loader powered by a Tier 4 Final compliant



engine. Equipped with the ProShift transmission, the new 921F requires up to 10% less fuel, while its cooling cube design keeps the dust away from the radiators and ensures constant temperature and high efficient cooling. The rear mounted engine allows good maintenance accessibility. The redesigned cab boasts an excellent all round visibility and a climate control system. The 921F features the SCR engine technology with AdBlue, which eliminates the need for a diesel particulate filter. The SCR technology has been implemented on Case wheel loaders since 2011.

www.casece.com

Hitachi beefs up mid-range with two more models

Having launched the ZW180-5 loader earlier this year, Hitachi Construction Machinery (Europe) has now added another two mid-range models, the 11t ZW140-5 and the 12t ZW150-5. According to the manufacturer, the machines use significantly less fuel than their predecessors while maintaining the same level of performance and productivity. Equipped with a 5.2litre, turbocharged diesel engine, the ZW140-5 and the ZW150-5 feature Hitachi's patented hydrostatic transmission system, which allows a fuel saving of up to 20% when travelling and digging. The auto engine shutdown feature helps further reduce fuel consumption and lower emission levels.



With the hydrostatic transmission control system, the ZW140-5 and the ZW150-5 can operate in two modes selected by the operator depending on the task and terrain. The standard (S) mode is suited to regular operations on a level terrain. The power (P) mode, which increases traction force, is recommended for heavy-duty tasks. The traction control system prevents tyre slippage by reducing the maximum rim pull. It helps prevent tyre wear and fuel wastage, which also results in lower running costs. The inching pedal is useful on small sites or confined areas, as it reduces the travelling speed without the need for braking. HCME wheel loader product specialist, Vasilis Drougkas, believes that the ZW140-5 and ZW150-5 loaders will prove popular with European customers, and particularly so with rental companies.

www.hcme.com

Caterpillar launches a budget mid-range model

The new Cat 950 GC wheel loader combines low operating costs with the durability, reliability and affordability. Intended for African, Middle East, CIS customers, the 950 GC complements the existing line and features heavy-duty frames, Cat Z bar linkage, performance series buckets and a stage IIIA emission-compliant Cat C7.1 engine. The 950 GC is suited for stockpiling, truck loading, material handling and site preparation applications. According to the manufacturer, the machine's reliability and affordability makes it a good choice for budget sensitive government projects.

The 950 GC boast patented 4F/3R countershaft, power-shift transmission featuring automatic shift capability and the Cat electronic long range transmission control system. This modulated transmission ensures smooth shifting and extended component life. The 950 GC Z bar linkage generates high breakout force and good rack back angle for better bucket loading and load retention. It is complemented by Cat performance series buckets, featuring a long floor, curved side sheets and a wide opening allowing operators to attain 105% to 115% fill factors in minimum time. A load sensing hydraulic system produces flow and pressure for the implement system only when required, which results in higher productivity and lower fuel consumption. The optional ride control system improves ride, performance and load retention when travelling over rough terrain.

www.cat.com



McLaren Industries introduces new industrial and off road tyres

McLaren Industries in the US has introduced its full range of Nu-Air semi-pneumatic tyres to the OEM and retail market. Manufacturers and users of backhoes, telehandlers, front-end loaders, wheel loaders, and wheeled excavators have access to the technology that was once available to compact equipment only.

"Originally skid-steer loaders and some backhoes were eligible for solid cushion tyres," said McLaren Industries marketing manager George Zafirov. "For years OEMs and equipment users have been reporting higher equipment productivity and reduced maintenance costs derived from the usage of such tyres. The continuous positive results and the numerous inquiries about other tyre sizes motivated McLaren's research and development department to invest in new tyre sizes, and apply the semi-pneumatic tyre technology for heavy construction equipment as well."

The Nu-Air semi-pneumatic tyre series from the US manufacturer McLaren Industries integrates the strength and stability of a solid tyre with the smooth, cushioned ride of a pneumatic tyre. With its lower cost/h, the Nu-Air tyre has become widely known as an alternative to foam filled and normal pneumatic tyres.

The OTR solid cushion tyres are an alternative to foam filled or solid tyres, but also to the heavy and expensive tyre chains preferred by many mining companies. The flat proof technology eliminates the need for tyre prevention, while the extra weight of the tyres provides the stability that is crucial on harsh terrain. There are a variety of patterns available, allowing customers to select the right tyre for their type of terrain. Particularly unique is the RT pattern for size 20.5x25. It has been developed precisely for problematic surfaces, where rocks, scrap and debris give trouble to even the most experienced operators.



Terex launches four new products

Terex Finlay has introduced four new products, the 883+ Spaleck 3D combi flip flow screen and 883+ tracked mobile heavy-duty screener, plus the I-100RS impact crusher and 893 tracked mobile heavy-duty screener.

The 883+ Spaleck 3D combi flip-flow screen is the result of a joint partnership between Terex Finlay and Spaleck, the market leaders in static recycling screening technology. At the heart of the mobile plant is the two deck German designed and constructed high performance screenbox. The stepped top deck design, combined with flip flow technology on the bottom deck catapults the Finlay 883 Spaleck into a class of its own, the company claims. Its processing capabilities and application flexibility make the machine the only all in one mobile solution for processing difficult waste, recycling, slag, construction and demolition waste, shredded metal, wood, compost, mulch, ores, coal and soil.

Even large-grained material can be screened on a screening machine with a flip flow screen deck. The screening desk, with 3D screen segments, which is positioned above the flip flow screen deck to form a cascade, protects and reduces the stress on the screen mats. Their service life is increased and optimal screening results are guaranteed. The 3D screen segments can be changed quickly and simply thanks to the modular construction.

The 883+ tracked mobile heavy-duty screener is designed to work after a primary crusher or on its own as a frontline screening machine. It is suitable for working in quarrying, mining, construction and demolition debris, topsoil, recycling, sand, gravel, coal and aggregate applications. The hopper has a 7m³ capacity as standard with a drop rear door for use in conjunction with a mobile crusher. This forward facing inclined modular configuration screenbox has a 4.8m x 1.5m

top deck and a 4.8m x 1.5m bottom deck giving a total screening area of 14.4m². Depending on the application the hydraulic adjustment can be used to vary the angle of the screen box between 13° and 19°. The top deck of screenbox can be fitted with a variety of screening media including; tines, bofor bars, punched plate and mesh. The bottom deck can be fitted with mesh or cascade fingers.

The new Terex Finlay I-100RS direct drive horizontal impact crusher with variable speed gives operators unprecedented levels of fuel efficiency and production in both recycling and quarrying applications, the company claims. The track-mounted machine has a 2.44m x 1.2m single deck screen for sizing and recirculating oversize material back to the crushing chamber. The sizing screen can be quickly detached for applications that do not require resizing or recirculation of materials for further processing. The I-100RS features hydraulic folding of all conveyors providing quick set-up and easy point to point moves when operating on multiple sites. The crusher has an electronic control system that monitors and controls the speed of the rotor and regulates the heavy-duty vibrating feeder with integrated pre-screen to maintain a consistent feed of material into the impact chamber. Material from the integrated pre-screen can be diverted to a stockpile by the optional by-pass conveyor, or it may join the crushed product on the main belt. The standard hopper capacity of 2.3m³ places the machine at the forefront in this competitive market sector.

The new 893 tracked mobile screener is for working in quarrying, mining, construction and demolition debris, topsoil, recycling, sand, gravel, coal, ore and aggregate applications. The forward facing inclined modular configuration screenbox has a 6.1m x 1.83m

top deck and a 5.5m x 1.83m bottom deck. Depending on the application the hydraulic adjustment can be used to vary the working range angle of the screen box between 14° and 18°. The screenbox top deck can be fitted with a variety of screening media including, mesh, punch plate, bofor bars and tines. The bottom deck can be fitted with mesh, punch plate and cascade fingers. A 1.1m apron feeder and hydraulic gearbox drive is standard and the hopper has a 10m³ capacity as standard. Three hydraulically folding discharge conveyors allow for stockpiling for the plant, which has a process rate up to 800t/h.



Hartl at Bauma China

Bauma China in Shanghai will be the venue for the Austrian bucket crusher manufacturer Hartl to display their latest crushing solutions, and display their entire product range of eight bucket crushers and screeners in hall E1, booth 701 in association with Beijing Morning Star, the exclusive Hartl dealer in China, Hong Kong and Macau.

Hartl has more than 85 years' experience and more than 40 years' innovation in the field of rock crushers and screeners. By applying their technology Hartl has integrated a jaw crusher into the form of an excavator bucket for crushing and separation of natural stone and recycling material on site. Thanks to the Hartl quattro movement, the crushers deliver a very high average performance and throughput and an exceptional quality cubical end product with a minimum of oversized material. Low running cost and environmen-

tally friendliness formed an integral part of the design process. The Hartl bucket crusher was honored in 2013 with the Red Dot Design Award.

With this new generation of bucket crushers and screeners Hartl is offering operators in the material processing industries a solution for a flexible, highly mobile and economical crushing and separating.



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Attendance record at Steinexpo



Manufacturers of construction machinery, suppliers of mineral processing equipment, suppliers of add-on equipment and service providers agreed that the ninth Steinexpo quarry demonstration and exhibition in Germany in September was a huge success.

Over 250 exhibitors in the MHI Nieder-Ofleiden basalt quarry played host to 48,130 visitors, of which 93% came for professional interest.

46000 visitors!

There was an increase in exhibitors and brands by around 15% compared to 2011 and visitors by approximately 20%. The goal of the organiser Geoplan was to break through the 40,000 visitor ceiling. This year the show beat the previous peak in 1996 of approximately 46,000 visitors, underlining the steadily growing acceptance of Steinexpo.

According to a trade fair management survey more than 70% of the visitors were decision-makers or took part in the decision-making process in companies that also operate quarries or gravel and sand pits. The remainder of the visitors came from construction or recycling companies.

Exhibitors praised the flexibility of the organiser Geoplan for their understanding of and response to exhibitor wishes before and during the fair. The exhibitors in the pavilions were also very satisfied with this year's response. It was not only the cool weather at the start of the exhibition, and the effort they put into stand layouts that ensured them more visitor attention than at previous events, but also the new pavilion concept with its side walls that could be opened almost completely that proved a success. The layout and planning team at the Technical University of Clausthal handled all phases of the planning, setup and exhibition.

The various measures by the organisers and the technical and conceptual trustee associations contributed to the level of awareness of Steinexpo gradually growing internationally. This year saw 65 international exhibitors and more than 20% international visitors. This trend was supported by a far greater presence of international press representatives to the fair and the diverse online activities.

Exhibitors confirmed that the demands of decision-makers were focused on issues relating to energy efficiency and quality as well as the industry-known measurement of cost/t. Here and there a bargain may, in individual cases, still be a selling point. But in the plant and equipment segment, especially, the best possible quality and suitability for the particular application remain the decisive criteria. Lifecycle considerations, even beyond normal



wear resistance, environmental aspects and fuel and energy savings are key in making a final decision on the purchase of new construction equipment. Additional events, such as the Truck Trial European Championship races, attracted more visitors from Germany and neighbouring countries. The concurrent hosting of the two events has now become the norm after the third round.

"I'm proud of the whole team, who have ensured that this trade fair has once again been a success," said Trade Fair director Dr. Friedhelm Rese. "The exhibitors I thank for the confidence they have placed again in our trade fair concept, and the visitors, I thank for your interest in our unique event on the European mainland. With Steinexpo we have set a new standard for the next event in 2017. The bar has been set very high. But this is exactly the challenge that we also wish for the next Steinexpo from 30 August to 2 September 2017. At the moment we are pleased for all those involved with the success of Steinexpo 2014. Its experiential value will stay with us and the follow-up business transactions with the exhibitors for a while longer. Nevertheless, or because of it, we already look forward to our next show here in the MHI Nieder-Ofleiden basalt quarry."

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Bauma China expands despite depressed economy

Between 25 to 28 November the seventh edition of bauma China will take place at the Shanghai New International Expo Centre. Despite the current downturn in the Chinese economy exhibitor numbers are up this time and there are many building projects in the planning stage.

These building projects have an enormous investment volume. One example is the 632m high Shanghai Tower in the district of Pudong. This skyscraper is the highest building in the country and the second highest in the world after the Burj Khalifa in Dubai. This prestige project has an investment of CNY14.8bn (EUR1.8bn). Although the tower reached its ultimate height in August last year, final completion and the official opening is not expected until 2015.

Growth in the size of Rome

The real boom in the Chinese cities, however, is not

measured on the vertical but on the horizontal scale. According to the German consultancy Far Eastern Consulting, every two days in China plans are drawn up for new residential and industrial districts the size of the Italian capital, Rome. The government supported process of urbanization is seen in China as an important engine in the building sector and the economy as a whole.

Urbanization and industrialization consume great quantities of energy. Following coal, water is the second most important source of energy for generating electricity. Germany's economic development agency Germany Trade and Invest, reports that installed capacity for hydroelectric power in China grew last year by over 12% to 280GW. Almost CNY125bn (EUR15.9bn) was invested in expanding the country's hydroelectric power capacity in 2013.

Increasingly important, alongside the mega power stations on China's rivers, are pumped storage power stations, says the German Chamber of Commerce. One, and the biggest of its kind in the world, is currently being constructed in the province of Hebei, in the north of China. It will have a total installed capacity of 3.6GW.

Further growth in China will depend ever more on progress in expanding the infrastructure. In this field, too, enormous projects are under way. This year at least another 6,000km of new rail routes will be added to the 100,000km or more of rail track that already criss-crosses the country. The estimated cost for this expansion is CNY630bn (€80bn). The aim of the Chinese government is to expand the rail network to a total of 120,000km by 2020. All are projects with tremendous potential and involve the implementation of the latest technology and good news for exhibitors at bauma China.

Close to Bauma in Munich

As PDi went to press the number of exhibitors was 3,070 and pointing to a new record. In 2012 there were 2,718 exhibitors and visitors reached 180,000. This year's edition seems to almost mirror the number of exhibitors in Germany, which were around 3300 companies. But from the list of companies the Asian, and in particular Chinese manufacturers are dominant. The number of international companies in the field of demolition, recycling, diamond tools and concrete cutting equipment has clearly declined and also several of the well-known names have decided not to exhibit. Perhaps the reason is the current economic situation not only China, but also Europe and the rest of the world. Below you find a list over some of the selected exhibitors with products for demolition and concrete cutting applications among others. The majority of the names in this list are well-known international players and a few Chinese. Besides these Chinese manufacturers we refer to the bauma China website to find out more about the Chinese exhibiting companies.

Selected list of exhibitors

Area	Booth no.	Name
Outdoor	A.19	ALLU GROUP

E5	E5.351	ASHINE
		DIAMOND TOOLS
W5	W5.410	ATLAS COPCO
Outdoor	B.38	BEIJING BLASTAC
		EQUIPMENT
N1	N1.450	BROKK AB
N2	N2.517	BYG, S.A.
E7	E7.110	CANGINI BENNE S.R.L.
W4	100	DAEMO ENGINEERING
N1	N1.450	DARDA GMBH
Outdoor	C.44	DOOSAN INFRACORE
Outdoor	A.21	DYNASET OY
E5	E5.638	EPEC OY
N1	N1.548	ERKAT
		SPEZIALMASCHINEN
W2	W2.110	EVERDIGM CORP.
E5	E5.248	FUZHOU
		BONTAI DIAMOND
E5	170	SKYSTONE DIAMOND TOOL
Outdoor	B.67	GIANT INTELLIGENT
E4	E4.431	GOLZ GMBH
E3	E3.242	GUILIN STAR
		DIAMOND SUPERHARD
Outdoor	D.69	HANGZHOU ZHUMA
		CONSTRUCTION MACHINERY
E1	E1.701	HARTL CRUSHER
Outdoor	B.08	HITACHI CONSTRUCTION
		MACHINERY
E4	E4.741	HUNAN NEW DIAMOND C
N1	N1.450	HYCON AB
E7	E7.221	INDECO IND. S.P.A.
W3	W3.558	JIANGXI YINHUI
		CONSTRUCTION MACHINERY
Outdoor	C.24	JOHN DEERE
Outdoor	K.60	KEESTRACK (CHUZHOU)
		CONSTRUCTION EQUIPMENT
E1	E1.110	KLEEMANN GMBH
E5	E5.531	KOCOMA
Outdoor	E.68	KOMATSU (CHINA) LTD.
Outdoor	B.09	KUBOTA
Outdoor	B.12	LIEBHERR MACHINERY SERVICE
Outdoor	B.12	LIEBHERR-HYDRAULIKBAGGER
W2	W2.231	MB S.P.A.
W2	W2.119	MULTIQUIP MQ
N2	N2.110	PADLEY & VENABLES LTD.
E7	E7.400	QINGDAO XINXING
		CONSTRUCTION
N3	N3.612	RAMTEC OY
Outdoor	A.25	REMU
N3	N3.616	ROBIT
Outdoor	F.60-A	SANDVIK
Outdoor	D.02	SANY
W3	W3.218	SHANGHAI BARUTU
		CONSTRUCTION
Outdoor	F.35	SHANGHAI HUADONG
		CONSTRUCTION
N1	N1.212	SHANGHAI WOTAN
Outdoor	E.69	SHANXI CONSTRUCTION
		MACHINERY CO., LTD.
E6	E6.288	SHENYANG SANLAND
		CRUSHING & GRINDING
E2	E2.430	SICHUAN CONSTRUCTION E7
E7.	110	SIMEX S.R.L.
E3	E3.371	SOBRATEMA
Outdoor	A.07	SOOSAN MACHINERY CO., LTD.
Outdoor	A.16	SUMITOMO
Outdoor	C.12	TEREX
N1	N1.213	TOWER LIGHT
N1	N1.110	UNACEA
N3	N3.210	VOESTALPINE
Outdoor	B.64	VOLVO CONSTRUCTION EQUIP.
Outdoor	D.50	WACKER NEUSON GROUP
N5	E2.448	YANMAR ENGINE
		(SHANGHAI) CO., LTD.

www.bauma-china.com



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Latin American Concrete Demolition Forum

Forum will take place at the Sheraton Rio Hotel and Resort in Rio de Janeiro, Brazil, October 1-2, 2015. This two-day seminar will feature a number of presentation topics and roundtable discussions on current and emerging topics of particular interest to Latin America's concrete cutting and demolition contractors. Though the program for the Forum is still being finalized, here is a tentative list of topics:

- Remote Controlled Demolition – The Methods
- Heavy-Duty and Long-Reach Demolition Tool Carriers
- High-Cycle Concrete Sawing and Drilling Equipment – Lightweight, Fast and Efficient
- Hydraulic vs High-Cycle Concrete Cutting
- The Modern Diamond Tools – Cutting Performance, Life Safety, and Economy
- Efficient Removal of Different Floor Coatings – Methods and Brands
- The New Flooring Product – Concrete Floor Polishing in Theory and Practice
- Machines, Tools, and Chemicals for Concrete Floor Polishing

- Best Practices for Handling Dust and Concrete Slurry
- Recycling and Waste Handling – A Profitable Business: Crushing and Screening With the Latest Techniques
- Hydrodemolition: The "Sensual" Demolition Method for Sensitive Concrete Structures
- Presentations of Various Case Studies from Latin American Markets

Watch the Forum's website, www.latindemoforum.org, for schedule updates and additional information.

The Forum is being organized by S.C.O.P. AB of Sweden, publishers of the international demolition magazine PDI, and Riverbends Publishing LLC of the U.S., publishers of the North and South American magazine Professional Demolition Americas, PDA.

Trade associations supporting the event include:

- Brazilian Association of Technology for Construction and Mining (SOBRATEMA)
- Brazilian Rental Association (ALEC)



The Latin American concrete cutting and demolition industry has shown steady growth during the last years. Product methods that earlier were not used at all or only to a limited extent have gained stronger acceptance in markets like Mexico, Brazil, Chile, Bolivia, Peru, Colombia, Argentina, and many others. Interest in these methods among Latin American contractors is growing quickly as well.

A Unique Forum

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Concrete Cutting & Demolition in Rio de Janeiro

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- Brazilian Association for Recycling of Construction and Demolition Waste (ABRECON)
- European Demolition Association, EDA
- IDE - Institute of Demolition Engineers
- International Association of Concrete Drillers & Sawers (IACDS)
- International Concrete Polishing & Staining Conference, ICPSC and Concrete Polishing University

Dedicated to the professionals

The Forum is dedicated to serving the interests of Latin America's concrete sawing and drilling, demolition, recycling and concrete floor grinding and polishing industries - contractors, manufacturers, suppliers, and trade associations. Its program is intended to inform, educate, stimulate discussion, and train in order to advance the professional and economic growth of the region's concrete cutting, demolition, and recycling sectors. For manufacturers and distributors, the Forum is a perfect chance to meet a large number of professional contractors and also rental companies. It is a truly a unique and highly valuable networking and promotional opportunity.



Marketing of the Forum

Since May 2014, the Forum's organizers have been working with the region's trade associations and others to raise awareness about the event through a variety of direct contact and media channels, including various Latin American trade magazines and news sites. The Forum will also be promoted at a number of trade exhibitions in North and South America.

Languages

All information and promotional material will be available in Portuguese, Spanish, and English. During the Forum, all presentations and speeches will be simultaneously translated to/from these languages. Printed materials, presentations, and speech texts will also be available in the three main languages.

Table-top Exposition

Concurrent with the forum, a table-top exposition will provide a venue for manufacturers, suppliers, associations, and contractors to promote their products or services. There will also be an outside demonstration and training area. Registration information for booths and table-top exposition space is available at www.latindemoforum.org.

Presentations and Hands-on Training

The Forum will offer a variety of useful and informative presentations on the advantages with various industry methods, products and tools, as well as extensive hands on training classes. Sessions include operation of remote controlled demolition robots, hydro-demolition techniques, core drill systems, wall and wire saws, dust extraction and concrete slurry containment, and removal of concrete floor coatings. In addition, special concrete floor polishing seminars and polishing training classes will be carried out

in cooperation with the International Concrete Polishing Institute.

Website

All information about the Latin American Concrete Cutting & Demolition Forum 2015 you will find on the website www.latindemoforum.org, which is updated continuously. Visitors will find more information about the Forum's program, speakers, topics, methods, and products. Proposals for additional topics/presentations are also welcome and will be given due consideration for the program. The website also provides portals for participating in the Forum, reserving exhibition space, and making travel and hotel arrangements. You will also find links to partners and supporters of the Forum, associations and exhibitors.

Become a sponsor

Latin American Demolition Forum 2015 offers a wide variety of sponsor packages for manufacturers, suppliers, contractors, and trade associations. Sponsorship levels include Exclusive Platinum Sponsor, Gold Sponsor, Silver Sponsor, Bronze Sponsor, Supporting Sponsor, Gala Dinner Sponsor, and Visit Rio de Janeiro Sponsor. More information and booking arrangements are available at www.latindemoforum.org.

Latin American Concrete Cutting & Demolition Forum 2015 truly has something for everyone. Make plans to join us in Rio de Janeiro on October 1-2, 2015, and be a part of an exciting event dedicated to an exciting industry.

Welcome!



Venue: Sheraton Rio Hotel & Resort, Rio de Janeiro, Brazil, October 1-2, 2015

Fee's for attendance

Joint two-day Forum, Welcome Cocktail and Gala Dinner:	U.S. \$ 890
Two-Day Forum only:	U.S. \$ 615
Gala Dinner only:	U.S. \$ 310
Welcome cocktail only:	U.S. \$ 150
Rio Tour:	U.S. \$ 170
Samba show:	U.S. \$ 100

Exposition parallel with the Forum

In parallel, during the two days of seminars and directly adjacent to the conference venue, a tabletop exposition will be organized. Here manufacturers, distributors, contractors, association representatives and all participants at the forum will have the opportunity to introduce their products or services using various types of own exhibition materials. It will also be possible to demonstrate products outdoors, even though in a limited form.

Exposition package include:

Desk at the Exhibition Area on the two conference days:

- The exhibitor may show displays (roll-up or similar) behind its desk
- The exhibitor can use its desk to show catalogs and other promotional materials of the company and/or small products

- One conference ticket, free of charge for a delegate of the company. The tickets include welcome cocktail (Wednesday, September 30), Conference (Thursday, October 1 and Friday October 2) Coffee breaks and business lunch (Thursday, October 1 and Friday October 2) and one ticket to the gala dinner (Thursday evening, October 1).

Package also include:

Visibility of your brand through promotional materials like:

- On the website www.latindemoforum.org
- Your brand listed on official roll-ups to be shown at the event
- Your brand listed in mailings to participants, delegates, guests and other exhibitors and sponsors
- Visibility of each exhibitors logo on all documentation of the event like on program (print and digital versions) and other conference documentation (printed version, handed to delegates)
- Visibility of the logo or name in the magazine, Professional Demolition International and Professional Demolition Americas

Please note that additional assistants will have to

pay for conference and/or gala dinner tickets. Also make note of that the space at the exhibition is limited and it is not allowed to room more than 30 to 40 exhibitors. The rule first come first served is followed.

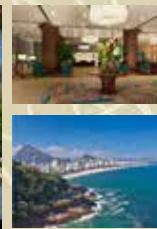
Exhibitors have the possibility to buy extra conference and gala dinner tickets to a discounted price (15 % off) to invite clients or making more staff. There is though a limit of participants at the forum (500). Full rate paying participants has priority. To utilize all the parts of package exhibitors are recommended to book their exposition package latest 2014-06-28. The forum marketing campaign starts already in September 2014 so late reservations means that the complete marketing package cannot be enjoyed.

Fee of the Exhibitor package:

Members of the mentioned supporting associations pay: **U.S. \$ 2,565**
Other exhibitors not member of any of the above supporting associations pay: **U.S. \$ 3,515**

Sponsorships

If you would like to become a sponsor of the event please consult our web page www.latindemoforum.org.



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Accessories

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“Contractors don’t see our advantages...,

...they experience them”

This feature is the beginning of a journey that starts in the valley of Tirol and stretches to all corners of the world. It’s about Tyrolit, the Austrian manufacturer, one of the world’s biggest manufacturers of professional tools and equipment for concrete sawing and drilling. But Tyrolit is much more than that. PDi’s Jan Hermansson reports.

Above from right to left: Tyrolit construction division manager, Alfred Landl, communication manager corporate communication, Verena Ibounig, training department Tyrolit Group, Martin Zimmermann and head of marketing diamond tools, Roland Hettegger.

Tyrolit, Tyrolite or Tirolite, is actually a hydrated calcium copper arsenate carbonate mineral that was first found in 1817 in Brixlegg near Innsbruck, Austria. But to those working within the international concrete sawing and drilling and demolition industry Tyrolit is also one of the world’s largest manufacturers of diamond tools and machinery for drilling and sawing in concrete, bricks, stone and metal and cracking of stone and concrete. It is from this mineral Tyrolit got its name and also brand colour originally.

A glasscutter’s son

The majority of professional concrete cutters and demolition contractors know little of what Tyrolit stands for besides what is known from the concrete cutting industry. PDi intends to change that with this article about Tyrolit and will follow on with more articles about their equipment in use in various projects around the world. This is the first in a series of more in-depth articles featuring not only Tyrolit but several of our industry’s players.

The Tyrolit history started with Daniel Swarovski. He was born in 1862 in Bohemia, now the Czech Republic, but fled to

Austria and settled in Wattens. His father was a glasscutter and ran a small glass factory in Bohemia. That is where Swarovski learned the craftsmanship. Swarovski started his own glass factory in Wattens in 1895 and the business was successful and grew fast. The crystal glass from Swarovski became more and more popular and in 1919 the company Tyrolit was founded and its primary task was to develop and produce tools for Swarovski’s own crystal making.

In 1950 the current head office for Tyrolit was opened in Schwaz in the middle of the Tirol valley and Tyrolit is one of the largest manufacturers there. The Tyrolit Group had a turnover of EUR562M in 2013 and has over 4650 employees worldwide with about 1180 working in Schwaz. The Tyrolit Group of companies belongs to the Swarovski Group, which has a turnover of more than EUR3bn. The business is privately owned by the Swarovski family and is currently run by the fifth generation.

More than 80 000 models

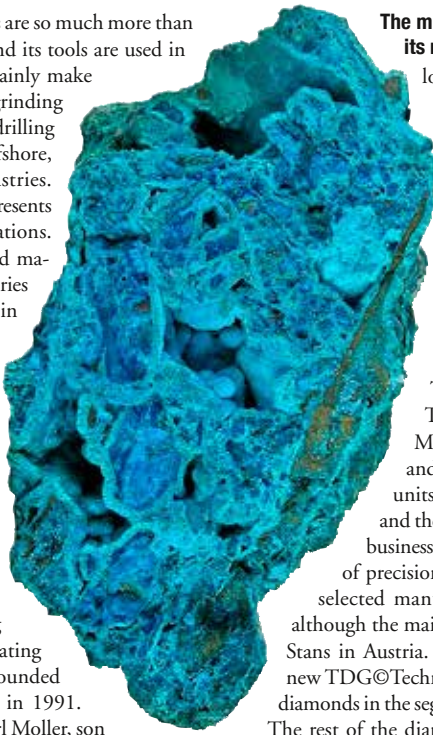
In the global concrete cutting business Tyrolit is known for its high quality diamond tools and machinery for concrete

cutting and drilling. Tyrolit's products are so much more than for sawing and drilling in concrete and its tools are used in a number of other sectors. Tyrolit mainly make a huge variety of different kinds of grinding tools, cut-off tools, sawing tools and drilling tools for use in the construction, offshore, aircraft, steel and automobile industries. About 25% of the annual turnover represents sales to construction related applications. More than 80 000 different tools and machines are produced at the Tyrolit factories which has 29 production locations in 12 different countries and on five continents. They are located at the headquarter in Austria, others in the US, Mexico, Argentina, Brazil, Thailand, China and South Africa. Tyrolit has 36 sales companies and sells products through additional distributors in more than 65 countries.

In the US Tyrolit has a subsidiary named Diamond Products, which is very well-known to the North American concrete cutting industry. Diamond Products is celebrating its 50th anniversary this year. It was founded in 1964 and was bought by Tyrolit in 1991. President of Diamond Products is Karl Moller, son of the founder. Diamond Products is one of the biggest manufacturers in its field in the US and has over 300 employees. It has an annual turnover of EUR70M in the US, which represent a little less than half of what Tyrolit's sells to the rest of the global construction industry.

Diamond Products claim to be the leader in manufacturing and sales of floor saws in the US and second for drill systems. Tyrolit has recently introduced nine models from the US floor saw range onto the global market. The range of mostly petrol driven floor saws is part of a new drive to build up a worldwide network of retailers with tools and equipment from Tyrolit, which is also launching four new table saws. The retail assortment will contain the Tyrolit standard range of drill systems, cut off saws and the wide range of metal bonded, dry and wet diamond tools.

"In terms of our production facilities you could say that we very much follow our major clients around the world in order to give them the best service. Our factories are often



The mineral from Tirol that gave Tyrolit both its name and originally its brand colour.

located in the same country or near our biggest clients' production facilities. Volkswagen is a good example," said Tyrolit construction division manager Alfred Landl. The automotive industry is a strongly dominating client sector and Tyrolit sell complete grinding solutions for among others automotive gearboxes.

Business Unit metal/precision strongest

There are 4 business units within the Tyrolit Group, which are divided in Metal&Precision, Construction, Trade and Stone-Ceramic-Glass. Each business units has completely separate organisations and the highest sales and profits are within the business unit Metal&Precision. The production of precision tools are dominant and are made at selected manufacturing plants around the world, although the main production is in Schwaz and nearby Stans in Austria. For Tyrolit's diamond tools with the new TDG©Technology, Tyrolit's own system of arrayed diamonds in the segments, are all manufactured in Austria. The rest of the diamond tool series are manufactured at the factories in Rayong, Thailand, and in Cabreúva, Brazil.

Some resin bonded tools are also manufactured in Samutprakam, near Bangkok, Thailand. For the US market they are produced in Oakdale and Elyria where also machines for core drilling, wall sawing, flat sawing and road grinding are also made.

Special bonds for the diamond tools are developed in Austria and transferred to selected factories around the world. The bonding mix is the key to the whole diamond tool and is a secret recipe for all diamond tool manufacturers. Professional



To the left one example from the vast assortment of tools from Tyrolit.

machinery and systems for core drilling, wall and wire sawing is developed and produced by Tyrolit Hydrostress in Pfäffikon, Switzerland. Tyrolit Hydrostress will be presented in a separate article in PD*i* issue 5-2014.

The unique recipe

"To become successful in any field and in particular when developing and manufacturing different kinds of tools it is like a complex lace woven with a certain pattern and with machines that nobody else has," said Landl. "That is why

All Tyrolit diamond tools, inparticular the TGD© series, are carefully tested in the test yard in Schwaz.



Entrance to the Tyrolit head office in Schwaz, Austria.



Numerous tests are carried out in the test centre every day.



Example of application where the Tyrolit tools are used.

Below in the Tyrolit test lab in Schwaz.





The Tyrolit employees in Schwaz forming the Tyrolit brand name and logo.



we have developed many of our manufacturing machines ourselves. The machines for the TDG Technology are a good example. It is completely new technology and the manufacturing machines and the product itself is all made in our own premises. It is sort of key for a family owned business and is why we are extremely strict with showing our production facilities to people outside the company. PDi Magazine is one of very few publications that has been let in to our premises to this extent."

Landl also said that the company is very satisfied with the outcome of the introduction of the new TDG Technology. The market loves it and Tyrolit is now preparing to launch new products in TDG Technology. "Today

Above a wet cutting wall saw blade with the well-known Tyrolit TDG technique.

Below from the left, Tyrolit construction division manager Alfred Land, Jan Hermanson, PDi editor-in-chief holding the Tyrolite mineral and marketing manager diamond tools, Roland Hettegger.



The Tyrolit Hydrostress machines and equipment, developed and manufactures in Pfäffikon, Switzerland, will be focused on in PDi issue 5-2014.

diamond tools are all about cutting speed, life and comfort and on top of that is price," said Landl. "Our tools are not considered cheap but they are on the other hand the fastest with best performance. We also put a lot of effort in testing our tools and machines and I believe to a larger extent than our competitors. We invest a lot to keep a maximum high quality level to meet our professional users' level of demand."

Tyrolit diamond tool marketing manager Roland Hettegger said that the current market situation for the company in Europe was quite flat. "The areas where we grow most these days are the Middle East and India. South America is also growing but at a slower pace," said Hettegger. The strongest growth is in special applications and large dismantling projects with wire and walls saws, as well as larger construction and infrastructure projects. As an example Tyrolit is heavily involved in the construction of the new metro in New Delhi.

"To get the most out of our equipment there are a number of things that contractors need to consider," said Hettegger. "And our job as manufacturers is to make them aware of this and to train them. They need to choose the right type of method for the job and the right type of diamond tools. Unfortunately I often see the wrong choice of diamond tools, which affects the outcome of a project. This is where we are good and able to provide solutions for our customers. We can propose the right method for a job, we have the right tools, the machines and can provide the support and service during the project."

"Our clients don't see our advantages, but they experience them when using our equipment in the field," said Tyrolit training department manager Martin Zimmermann.

The focus now and for the future

In future Tyrolit will focus on special products, as well as building up their network of distributors and retailers around the world. In PDi 5-2014 a company profile on the Tyrolit subsidiary Tyrolit Hydrostress in Pfäffikon will be published.

www.tyrolit.com

Tyrolit has also made its construction division well-known by organising the international Cutting Pro Competition. Below a picture from the Cutting Pro Competitions some years ago.





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Clients are main source of Rotar inspiration

Rotar International, based in Holland, manufactures attachments for the demolition and recycling industry. "The demolition and recycling industry is our main source of inspiration," said Rotar sales manager Louis Broekhuizen. "Just like this industry, we are constantly evolving. At an early stage, we convert new issues that our clients are faced with into innovative solutions. Moreover, we hold our attachments to high standards. You can only do so if you are able to anticipate your clients' needs; what would you want if you had to work with this product on a daily basis. This approach automatically requires that you set the bar very high."

Clients and the industry are the guiding principle in Rotar's vision and operating procedures. There are no demolition shears with complicated cylinder or booster technology, but instead use a single, large bore cylinder with a speed valve that will produce at least the same cutting force. "Complicated technology leads to heat generation and pressure build-up in all the wrong places. That's why we apply extra wide bore cylinders," said engineer Rick de Jong.

Hoses and large diameter cylinders prevent heat generation and resistance in the hydraulic circuit and avoids backpressure on the return

line. "This way the demolition shear delivers higher cutting forces at lower oil pressures," said engineer Joris Joosten. "This contributes to a demolition project with profitable results, because the hydraulic pumps on the excavator require less engine power so the engine uses less diesel. Also, it significantly reduces the CO₂ emission. For many demolition businesses, a significant reduction of CO₂ is a strong incentive for choosing Rotar."

Rotar's demolition shears for excavators from 15t to 70t, are available in the RDC series for primary demolition and the RDP series for both primary and secondary demolition. "The RDC is a combi-shear with rows of teeth and bolt-on blades that can cut their way through almost any material. Reinforced concrete is no match for this demolition tool," said Broekhuizen. "The RDP in turn is a concrete pulveriser with a wide range of applications and interchangeable teeth in the pulverizer's jaws. The demolition shears teeth impressively cut their way through rock-solid concrete. Both series are rotatable to 360°, open and close rapidly, have tremendous cutting force and the easiest exchangeable wear parts available in the market."

www.rotar.com



Small breaker, big results in Australia

Australian construction company Dante Constructions has put its faith in a small Rammer breaker following a trial against a competitive brand. The performance of the small Rammer 455 breaker, combined with the commitment to service and support from the local dealer, Walkers Hammers, were instrumental in the company's purchasing decision.

Dante Constructions provides a range of building and maintenance services for the Victorian food, paper pulp and manufacturing industries. To provide enhanced levels of service the company recently purchased a 3.5t Takeuchi TB128FR excavator, and subsequently went looking for a breaker to work with it.

According to Dante Constructions director Frank Mazzitelli the company has made changes in the equipment it operates and what it subcontracts to suit the needs of the projects it undertakes. "We gave up operating excavators over 10 years ago when I decided to subcontract this work to contractors who I use on a regular basis," said Mazzitelli. "However, we recently secured a job where an excavator was needed long-term, so having promised never to own a hydraulic machine again, I decided to purchase a Takeuchi TB128FR. To increase its flexibility, we then decided to purchase a small hammer

for a specific project. As I do with most things, I asked around and identified what I thought were the two market leaders, Rammer and another well-known brand. For me, it came down to a trial between these two makes."

Victorian Rammer dealer Walkers Hammers loaned Dante Constructions a Rammer 455 for a few days. "There was a bit of a delay with the other dealers' availability to provide a breaker," said Mazzitelli. "But we put it up against the Rammer 455 which was far superior in every way. I called Walkers and asked them to send me the invoice for the Rammer 455."

Mazzitelli was very impressed with the Walkers Hammers package. "From the word go, Walkers couldn't do enough for us," said Mazzitelli. "They were the first to supply the Rammer and mount it to my machine. They were happy to leave it with me for a lengthy period of time, which made me feel comfortable trialling the hammer without any pressure and on my own jobsite. It hasn't missed a beat. It's a small hammer on a small machine, and currently we are using it primarily to break up factory concrete floor slabs and plinths. It's operating in pretty tight spots, breaking relatively high strength concrete, and I would say it performs magnificently."

www.rammer.com



The Sennebogen 818 Elektro recycles at MidUK

The working conditions to which the Sennebogen 818 R Elektro are exposed at the UK recycling company, MidUK Recycling, are difficult, as the electrically powered machine is used for recycling drywall gypsum plaster board. The machine is covered by a thick layer of dust and the crawler tracks can scarcely be seen, but still the 818 performs its daily task.

MidUK processes gypsum board from industrial and construction waste and separates the gypsum from cardboard and other construction waste so that the remaining powdered gypsum can be reused to produce cement and other products. The machine works around 20h/day as the 600 multi-shell grab feeds a shredder and processing chain with gypsum board supplied to MidUK from throughout the UK by construction companies and small recycling businesses.

It is equipped with a 75kW electric motor and 11m equipment and the electro hydraulic drive system offers maximum performance with low energy consumption. The low noise emissions, longer service intervals and no requirement for refuelling between shifts are additional advantages. In addition to the electric drive, the numerous equipment options were the final selling point. The site manager, Ian Sanderson, said that the compact dimensions and the efficient cooling system, including a reversible fan, makes the Sennebogen material handler the right tool for the job. This special fan design in which the rotor blades change their angle to reverse the flow of air instead of reversing the fan itself allows dust to be ejected and increases the life of the components. The high-power LED headlight system and Multicab cabin, which can be elevated to 2.7 m, gives the driver an excellent view of the work area.

MidUK has become a service provider for recycling all kinds of waste from industry and communities in the Nottingham region over the last 15 years. Close coordination between Sennebogen and the British service and sales partner, E.H. Hassell & Sons, allowed the system to be developed for recycling under extreme conditions. Hassell also provides regular servicing and responds to on-site assistance as needed.







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From checkout to excavator operator

Turku-born Jonna Laine got tired of working in a shop around five years ago and decided to make a radical change and venture into the completely new field of earthworks and has not looked back since.

"Initially I was supposed to just go and help out a family friend Ismo Vairis who was operating a Cat 330 excavator for contractor Vairine on the Lohja-Muurla motorway, and we only talked about a couple of weeks at most," said Laine. "I spent four days carrying dynamite for the guy responsible for charging explosives. Then a co-worker told me that Ismo had called and asked me to get on the hydraulic hammer instead. He

showed me how to use the levers and how to make the hammer strike. And that was that. The problems I had at the start now feel pretty insignificant. There was a big pile of rocks in front of one of the tunnels. It gave me a chance to practise with the machine in peace, without anyone looking on. Occasionally a group of builders would stop by and watch me. That made me a little nervous, but I always got good feedback, at least face to face. No-one talked down to me because I was a girl."

The days of practising are now a thing of the past. Laine's current job site is on a residential estate in Espoo, where she uses

the hammer to manoeuvre and break rocks. Her skills have grown over the years, and she is now a solid professional.

"I have learned to find the right place to strike a rock. I didn't used to manoeuvre the rocks at all at the beginning, and I often went for the wrong spot. That's definitely something that I've learned on the job," said Laine who now uses a Rammer 3288, which she got just under a year ago. "We are currently at the excavation stage, so my job is to cover explosives, clear the blast sites afterwards, and hammer away in the evenings. There's not much time left for the hammering, because I have to break up



blasted rock and natural stone. We use a rigid arm with a hook, which replaces the bucket, to move blasting mats. I have to switch between the hook and the bucket many times a day, and I only really get to put on the hammer in the evenings."

www.rammer.com



Wirtgen recycles on the A4 highway

The first Wirtgen WR 250 cold material recycling machine in Italy has been performing vital maintenance work on sections of the 522km long A4 Autostrada, between Turin and Trieste and one of the busiest roads in Europe.

Owned by contractor Ecoview the WR 250 typically follows

on a section of road premilled to a depth of 130mm with cold recycling to an additional 200mm. As the WR 250 rotates the material with its 2.6m wide mixing drum to its full 330mm depth, foamed bitumen and cement are added to the mix to rejuvenate and strengthen the material. A roller follows on to



compact the recycled material to the required density. This is then overlaid with an 80mm layer of layer binder and a final 40mm layer of permeable, noise-reducing wearing course, to complete the repair.

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PLADDET GO

The Netherlands-based attachment specialist Pladdet, has been in business for over 70 years. But until recently, its main focus has been on Benelux, which explains why it might be less known internationally than its fellow Dutch suppliers. This, however, is about to change as Pladdet is set to go global. Andrei Bushmarin reports.

Holland is one of the main hubs of the demolition equipment industry. This tiny country boasts probably the highest number of suppliers per capita in the world. To gain an upper hand in this environment of cutthroat competition, a company needs to be different. Some bet on originality and innovativeness of their products, while others favour a sensible sales policy and prompt after sales support. Pladdet, instead, prefers to rely on the combination of the two.

Born in a cross-fire hurricane

Two brothers, Krijn and Ko Pladdet, established the company in 1943. WWII was in full swing, and Holland saw some heavy fighting between the Allied Forces and the German army. That, however, did not deter the brothers from launching a battle of their own whose aim was to make Pladdet a country-recognized brand.

Like most of its peers, Pladdet had its roots in agriculture. Its initial focus was on supplying tractors and combines to the farming industry. This agricultural phase lasted for almost 30 years before Pladdet decided it was the time to reinvent itself. In the 70s, Holland declared a war on water, with land-reclamation projects being launched all over the country. All of a sudden, earth-digging machinery became a hot item. As it was imported from Germany, getting replacement attachments presented a big problem for local contractors. The Pladdet brothers saw a niche and switched to



From the left Kees Bakker, Product Manager for demolition and sorting grabs and Jonathan de Putter, Pladdet's Managing Director.

attachment manufacturing. Over the next few years, Pladdet's production volume was growing exponentially on the back of a soaring demand from just 10 buckets in the beginning to 5,000 units/yr.

Tempered by fire

The mid-80s brought a change in Pladdet's management as the second generation took control. Ko Pladdet's son, also with the same name, and Daan de Putter, the husband of one of his four daughters, took the helm. They got off to a good start. Manufacturing facilities were expanded to provide more space for production and repair of the attachments. Then a fire broke out in the factory and damage almost put an end to Pladdet's successful run. But the company proved its resilience by re-building the production site and getting itself back on track in record time.

Third generation and a new strategy

By the early 2000s, Pladdet had consolidated its position

as one of Benelux's leading manufacturers of attachments for earth-moving and demolition applications. Yet venturing outside it took on new leadership. In 2005, the grandson of Ko Pladdet, Jonathan de Putter, together with Peter van Liere and Gerrit Cazant, took over the company and revised its sales and marketing strategy. They decided that Pladdet had outgrown its status as a domestic supplier and was now ready to become a global player. The first target was Germany. Given the country's stature and buying potential, Pladdet hired a dedicated person, whose sole responsibility was to develop business in Germany. Thanks to his efficient work, Germany soon became Pladdet's biggest international market. As part of the new strategy, Pladdet also began to exhibit at major international trade shows such as Bauma and Conexpo.

Focus on building a global dealer network

Pladdet's sales policy excludes direct sales to end-users. Instead, the manufacturer is looking to build a world-



Pladdet's production facilities in Biervliet sprawl over 20,000m².



DES GLOBAL



Demolition and sorting grabs are Pladdet's signature product.



Concrete crushers and pulverisers are Pladdet's second most important product.

wide dealer network to secure its presence on all continents. To achieve this, Pladdet has set itself a challenging task to develop a 30 strong web of dealers by 2020. In some markets, such as the Americas, Canada, Central and Northern Europe and Australia, Pladdet is already an established brand. Now the Dutch manufacturer has England, Turkey and BRICS countries lined up in its sights. International sales are handled by Jonathan de Putter and product manager for demolition and sorting grabs Kees Bakker, whose main task is to find prospective partners in countries earmarked for entry. Their hard work is now bearing fruit as Pladdet has 15 dealers around the world and its sales of demolition grabs has increased tenfold over the last three years. Hunting for dealers never stops at Pladdet, and more partners and representatives are always welcome.

Attachment expert... and more than just that

With over 60% of its turnover coming from attachments, Pladdet positions itself as an attachment special-

ist. Being a mid-size company with 85 employees gives it the advantage of flexibility and short response time. The manufacturer offers a full range of hydraulic tools for excavators and wheel loaders from buckets to various demolition and recycling implements. Demolition and sorting grabs are Pladdet's best-selling products, which, according to the manufacturer, receive a fantastic response from the industry. They are complemented by other types of demolition attachments like concrete pulverisers, hydraulic breakers and ripper tooth devices.

Manufacturing of quick couplers is another Pladdet specialty, with the annual output averaging some 1,200 units. All products are produced in-house at the company's 20,000m² facilities in Biervliet, a small town next to the Belgian border. Even though attachments are Pladdet's core business, it also has a proven track record as an excavator modifier. All kinds of tune-up services are available from the Dutch manufacturer, including lengthening and adjustment of booms, enhancement of machines' hydraulic circuits and re-painting.



Pladdet also has a proven track record as an excavator modifier.



All Pladdet products are produced in-house.



Tracing A "Super

One Floor c

Equipment and diamond tool manufacturer Superabrasive has spanned miles, history, and markets to become a leader in the burgeoning US concrete floor industry. PDi's Jim Parsons reports.



CEO George Popov (left) and now-retired President George Georgiev, spurred the growth of Superabrasive after the company was privatized in 1992.



Geography may not be everybody's forte, so it is perhaps understandable if some people outside of Europe can locate the small country of Bulgaria on a map. But there are few such identity issues when it comes to what may well be Bulgaria's most valuable contribution to the US concrete surface preparation industry; Superabrasive diamond tools and equipment.

In the days of the Iron Curtain

While Superabrasive makes products for several industries, the flagship Lavina concrete line has in 10 years become the company's largest division and its top revenue generator. Lavina products can be found on projects large and small, from high-end residential jobs to large industrial plants and big retail stores. Architects for these facilities regularly specify the use of Lavina machines. Superabrasive's recent success is the result of a lot of hard work, according to chief executive George Popov who, with now retired president George Georgiev, were the company's primary drivers, continually researching and experimenting on ways to improve and enhance products.

The challenge has not become any easier. "As the market



Superabrasive's factory in Krun, Bulgaria (above), and their headquarters in Georgia, USA (below).



Mark Elliott, Superabrasive's Concrete Products Sales Manager, and company President Nikolay Nikolaev.

is getting more and more competitive, we have to continue offering some of the best products on the market that are meeting even better than our customers' needs," said Popov. "And in order to do that, as a manufacturer, we have to continually fine-tune our existing products by testing and implementing new technological solutions. That is why research and development is so important to the company."

Superabrasive's story goes back to the days of the Iron Curtain that separated communist Eastern Europe from western democracies. In 1987, the company's factory, in the small village of Krun, received the first license granted to a non-Soviet Union owned manufacturer to synthesize diamond powder for use in products designed for military applications.

The rigorous specifications imposed for such products helped instill in the factory's culture a meticulous approach to the process of synthesizing, sifting, sorting, and classifying diamond powder. The results were products that consistently met the highest standards of quality. The fall of Bulgaria's communist system in 1989 brought opportunity and challenges to the company. The loss of the lucrative military market put the Krun factory in direct competition with other industrial operations, trying



to
eke out new
markets in Eastern Europe's
newly formed, yet still struggling domestic and
regional economies.

" Success Story, at the Time

The turning point

Superabrasive's turning point came in 1992, when Bulgaria's government allowed the factory to be privatized. Led by Popov, the new management set its sights on the US State of Michigan, with the hope of supplying Bulgarian made abrasive products to the big three automobile companies based there. The company's arrival was well timed, as new opportunities were emerging in other US industries. Superabrasive was soon manufacturing lens roughing, polishing, and finishing diamond wheels for optical laboratories. But the greatest demand for Superabrasive products at the time would prove to be tools for stone restoration and fabrication, so much so that the company moved its headquarters to the South Eastern US in 2002 in order to be closer to its major distributor accounts. In 2007 Superabrasive moved to a 4,274m² administrative and warehouse building in Hoschton, Georgia, which remains the company's US headquarters.

Though Superabrasive remains active in the optical, stone, and janitorial industries, it is the concrete side that has contributed most to fuel the company's growth, due in large part to the explosion of interest in polished concrete floors in the US. Leading distributors, such as Advanced Diamond Tools, Braxton-Bragg, Concrete Polishing Headquarters, Gran Quartz, and Niagara Machine, now represent Superabrasive.

The company's factory in Krun has benefitted as well. The facility has added capacity and staff several times during recent years to meet the demand for Lavina and other products. Nearly 250 people now work at the factory, which has been enlarged to 19,510m².

A look at Lavina

The evolution of the Lavina line is one of continuous improvement. Launched in 2004, the first generation machines were free planetary, offered in several basic models, and painted in a unique green colour. Though these machines have proven themselves by continuing to provide many contractors with trouble free operation, Superabrasive has updated the line with the Pro series and, most recently, the S series, both of which have many new features. The 25-model Lavina S line are forced belt driven planetary machines, with a clog free water spraying system and innovative U joint technology, which is an additional axis that allows the machine to float over the floor, reaching both high and low points. Other upgrades include security plates, improved belt system, and reinforced pulleys. The S line models range from 406mm to 813mm, with the 635mm and 762mm models available in electric and



propane versions. The line also includes 178mm and 330mm edgers. Superabrasive has also introduced new self-propelled models, the L25M-S, L25LM-S, and L32M-S, and remotely controlled models.

The original L32R-S was joined at the World of Concrete this year by the new 965mm L38G-R-S propane model. Nikolay Nikolaev, Superabrasive's current president, said that there is more to concrete surface preparation than just the grinder/polishers, which is why the company augmented the Lavina brand with a new fleet of commercial vacuums last year. "The most notable feature of the Lavina vacuum line is its pneumatic jet filter cleaning system, a fully automatic, hands-free system that utilizes a compressor for continuous filter cleaning during use," said Nikolaev. "This system is available on the larger V-



Lavina 30G Pro machines polish floors at a 91,000ft² (8,454m²) industrial facility in Ft. Worth, Texas. (photo via Prep and Polish Consultants LLC)





In Van Wert, Ohio, Dancer Concrete Design used just one LAVINA® 32 machine to help transform an 8,000ft² (743m²) National Guard Armory into the Wasenberg Art Center, a vibrant art center for the region. (Photo by Nick Dancer, Dancer Concrete).



25L and V-32 models.”

The other models in the Lavina vacuum line are tailored for smaller jobs. They feature an upgraded manual cleaning brush system that allows operators to efficiently clean filters during use with one quick turn of a handle. “With efficiency at top priority, there is never a need to slow or halt workflow for filter cleaning,” said Nikolaev.

Another rare aspect of Superabrasive is that it is among the few companies manufacturing both the machines and the diamond tools itself. “Our tools cover nearly any floor application, such as coating removal, grinding, polishing, maintenance, and edge work, the list goes on and on,” said Nikolaev. Some of the most popular tool brands are Nato, V-Harr polishing pads, T-Bone, ShinePro and QuickChange.

Superabrasive is looking to grow its share of the floor maintenance market. Following the 2013 introduction of ShinePro, the new line of diamond impregnated pads for floor maintenance, the company showed the first Lavina burnishers at this year’s World of Concrete, the 914mm LB36G-S propane model, and the 533mm LB21electric model. The burnishers feature flexible head design and optimum pad pressure, superior dust collection, and offer high productivity and easy operation.

The cycle continues

While the surging concrete flooring market shows no sign of slowing down, there is little question that it is maturing into one requiring a more professional approach from contractors. “There has been a lot of talk lately that gloss alone is not always a good criterion for the floor polish,” said Nikolaev. “We are excited to see the industry coming together to set new standards and improve existing concrete polishing practices. This trend further emphasizes the need for proper training of contractors and machine operators to ensure the job is done right, the first time.”

“Another key trend among contractors is systemizing

processes in order to deliver consistent results on different projects, and be less sensitive to employee turnover,” said Superabrasive’s concrete products sales manager Mark Elliott.

To address this need, Superabrasive recently added two Lavina self-propelled machines, a 635mm, 11kW model and a 813mm, 15kW model. “The main benefit of these new models for the operators is the ability to maintain their own moving speed and eliminate the risks associated with inconsistent speed, due to operators’ fatigue or inexperience,” said Elliott. “The machines deliver exceptional grinding and polishing results and we were excited to show that at this year’s World of Concrete Architectural Praxis event.”

While the US figures to be Superabrasive’s top market for some time to come, the company is also expanding its horizons around the world. “We are also expanding in South America, where polished concrete is gaining popularity,” said Nikolaev. “The main challenge there is the high level of import duties and taxes, particularly in Brazil.” Elsewhere, Superabrasive’s market shares have been growing in Australia and New Zealand, while Dubai and Saudi Arabia are showing interest for Lavina products. And coming full circle from its origins, Superabrasive is setting up more distributors in Europe in anticipation of significant growth over the next five years.

“When the communist system in Bulgaria fell in 1989, Superabrasive lost all of its business,” said Popov. “It had to start from scratch and adapt extremely quickly from having guaranteed sales as part of the planned communist economy to developing products that are relevant to customers’ needs and penetrating new markets.” Since then, the company has grown continually by doing what it always has, identifying new business opportunities, and adapting constantly to the changing existing markets. “We are extremely grateful to our customers for giving us the opportunity to continue innovating and creating machines and tools that also make them more successful in their businesses,” said Popov.



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CARDInal rules of success

The Italian manufacturer of drilling and sawing equipment Cardi, has been out of the spotlight for many years, preferring instead to focus on technological innovation. Having built a successful global business since its formation in 1985 the company is shifting its attention to increasing brand recognition. Andrei Bushmarin reports.

Italian school of engineering design has always ranked among the world's finest. Brands like Ferrari and Lamborghini prove that Italians know how to build sleek and powerful machines. And, as the Cardi case shows, their engineering talents reach far beyond the automotive industry.

Off with a bang

Cardi's entire story is also inextricably linked to motors, albeit of a different nature. When, in 1985, Ezio Cattaneo, Raffaele Crotti and Alessandro Sangalli made a life changing decision to set up their own manufacturing enterprise, they chose to focus on drill motors and drilling systems. When picking a name that would sum up their priorities, the founders settled on Cardi Sangalli: Cardi was an amalgam of the Italian words 'carotatrici al diamante', or diamond drills.

The rookie manufacturer started off with a bang. In its first year it launched a range of four-speed drill motors and was chosen as the sole supplier of core drilling machines for Black & Decker Europe. Two years on, the Italian company developed a revolutionary twin-motor unit that was capable of generating the power rating of 2 x 2.2kW at 230V, while deriving electricity from a regular single-phase outlet.

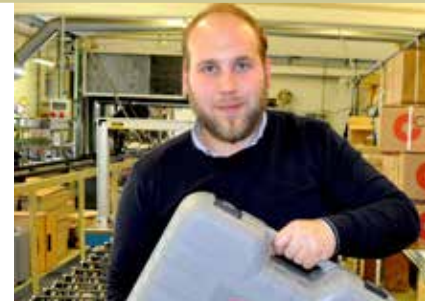
This was groundbreaking innovation, considering that most drill motors this powerful could only run on a three-phase

supply. Thanks to the dry drilling option, the twin-motor solution proved particularly handy on challenging projects of church and historic building restoration that precluded the use of water. In 1988, the name Cardi Sangalli was shortened to the now familiar Cardi, and a range of professional drill stands was added to the company's portfolio.

Planting its flag in Germany

Cardi's business skyrocketed in the mid-90s when it launched a new series of drill motors called il Talpa, the Italian word for mole. With a power rating of 3kW, il Talpa was one of the most powerful single-phase drill motors at the time. It came equipped with a soft start device and could be plugged into a regular household socket. The success Talpa motors enjoyed in the market allowed Cardi to progress into an international player.

In 1996, two new companies, Cardi Motoren Handels and Cardi Werksvertretung, were established by Holger Graw and Kuno Heim in Oberstenfeld, Baden-Württemberg, to take care of sales and after-sales service of Cardi machinery in Germany. A few months later, a service centre and a products warehouse were added to the list of German assets. The substantial financial and human investments Cardi had poured into the venture paid off. Along with the US, Germany has remained one of Cardi's largest overseas markets. In 1999, Cardi moved into its current premises in Pontida, a tiny town near Bergamo, a short distance from the original workshop. Along with manufacturing and assembling lines, the new 4,000m²



Alessandro Ghibaudo, Cardi sales and marketing manager.



Engineer Ezio Cattaneo, Cardi's managing director and one of its founders.



Engineer Simone Invernizzi, head of research and development.



Stefano Invernizzi, product development, holding up a 3D print of the Coccodrillo 35 chainsaw.



Cardi's chainsaw Alligator for masonry cutting.



Cardi owns and operates the 4,000m² manufacturing facilities in Pontida, a little town near Bergamo.



The award-winning chainsaw Coccodrillo 35.



facilities also housed a prototype workshop, an outdoor testing area and a simulation laboratory.

Making it in the US

Cardi greeted the advent of the new millennium by establishing a foothold in the North American market. When the founder of Houston based Expert Equipment Company, Markus Bartl, approached Cardi with the view to representing the Italian manufacturer in the US, Cardi was fully prepared to embrace the new challenge. Thanks to this partnership, the Cardi brand gradually gained recognition throughout the country. In 2008, Cardi and Expert Equipment Company jointly exhibited at the World of Concrete show in Las Vegas, further boosting Cardi's profile among American customers.

Two years later Cardi used WOC to unveil the electric chainsaw Coccodrillo35. Powered by a single-phase electric motor, the lightweight Coccodrillo35 offered a safe and

environmentally friendly solution for indoor cutting tasks. The following year, it won The Best Innovation award at SAIE show in Bologna. Cardi's portfolio of electric chainsaws was further expanded in 2011 to include Alligator, a model designed to cut various types of masonry. With its American operations growing steadily for over a decade, Cardi began in 2014 to import and promote its products under the name of Cardi America in order to further increase the brand's identity.

Increasing brand visibility

Cardi is a company of few words but plenty of action. With 40 employees, half of whom are involved in production, it sells to over 40 countries through a worldwide network of dealers and distributors. Having secured its position in most European countries, the US, Russia and Australia, Cardi is now eyeing up opportunities in emerging economies of South America and Middle East.

Until recently Cardi primarily concentrated on innovative technological solutions while putting things like branding and marketing on the back burner. However, this is going to change, says Cardi managing director Ezio Cattaneo. Cardi will stay focused on technology but will be striving for greater visibility by exhibiting under its own brand at major trade shows like Bauma Germany, Bauma India, Batimat, to name a few.

From Coccodrillo35 to Da Vinci

When asked about products in the pipeline, Ezio Cattaneo said that drill motors and drilling systems would remain Cardi's core competence. But he also added that concrete sawing equipment has considerable growth potential in the short term.

Cardi diversified into the sawing industry in 2007, having seen a rising demand for hand-held electric equipment. Its first foray into this business was the power cutter TP 400. Driven by a single-phase electric motor, it was capable of operating with 400mm diameter blades, no mean feat by the industry's standards at the time. Cardi's latest innovation, the modular system Da Vinci, was also created as a response to the needs of end users and a changing market landscape.

If in the past it was mostly specialist contractors that used diamond sawing and drilling equipment, now general contractors, plumbers and electricians represent a large and growing consumer group. With prices for hardware and diamond consumables going down all the time, these customers look for equipment that requires little initial investment, but would be able to perform a wide variety of tasks. To meet these requirements, Cardi has devised the Da Vinci modular system. Built around an electric 230V or 115-120V, 3.42kW single-phase motor and a column with the toothed rack, it can be fitted with Cardi chainsaws Coccodrillo35 or Alligator, a hand held wall saw TP 400 or a diamond core drill motor, which gives it almost unlimited cutting and drilling capabilities. There is also news for hard-core drillers as in September, Cardi extended its range of professional stands with the C600 model, designed for jobs with up to 600mm core bits.

www.cardi.biz

Left: drill motors and drilling systems are Cardi's core competence".

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Global Concrete Cutting

In PD*i* Magazine issue 2-2014 a short notice was published about a number of groups for concrete cutters has appeared on Facebook. Unfortunately the information did not come out correctly and PD*i* mixed up a number of data and names. In the following article we hope to straighten out the facts a little bit and we have taken the help from the actual founders of some of the groups.

CCNA founded in May 2014

Facebook is a remarkable tool for bringing together private individuals and professionals from different work sectors from all over the world. This was something Bill Greenwood, Mark Krchmar and Frank Di Mambro realized when they started a Facebook group they called Concrete Cutting Nutters Association in May this year. It is well on the way to becoming a global association with over 2000 members so far and growing. To become a member of the CCNA is not a complicated as becoming a member of a traditional association.

"Myself, Mark Krchmar and Frank Di Mambro had connected over Facebook and were having a discussion about the industry, when I piped in and said let's start a group on Facebook," said Greenwood. "Frank Di Mambro proposed to call it Concrete Cutting Nutters Association. We all chuckled and I punched the buttons on my computer and registered the group and invited Frank and Mark. Within three days we had 100 members and posts started to fly."

Greenwood said that they picked up Deon Cawthray, owner of Concrete Cut n Core from western Australia, James Mcarthur owner of Holemasters in Scotland, Paddy Brosnan owner of Extreme Concrete Cutting of Australia near Sydney and Alan Smith who is the king of diamonds and works for London Diamond in England. Bill Greenwood aka Bill Concrete Sawing on Facebook works for Axiom Concrete Sawing in Boston, US, Mark Krchmar works for CTS in Maryland, US and Frank Di Mambro is owner of Borecut in South Africa. "At the time I didn't know that the group Håltagare out of Sweden even existed, but I am glad I found them. They have a great group going," said Greenwood.

Håltagare (meaning concrete cutter in Swedish) was started at the beginning of 2014 by the Swedish Concrete Sawing & Drilling Association president Anders Andersson. The group has nearly 1,200 members. Language in the posts is mainly Swedish, but several members are also members of the English speaking Facebook groups.

A unique place to meet, exchange and learn

Shortly after the CCNA was formed Deon Cawthray started the Australian Concrete Cutters & Core Drillers Association and many of the Australian members are also involved with CCNA. "A great bunch of nutters too indeed," said Greenwood.



The social networking website Facebook is joining thousands of concrete cutters around the world in a global concrete cutting association for owners and operators called the Concrete Cutting Nutters Association. The founders of the group is now set for forming a global association.



Bill's dog Kyah helping to handle the website.



Greenwood and his co-founders think it is great that it is such a big mix of concrete cutters from all over the world.

It is a very diverse group that is having discussions about the industry. Greenwood thinks that together they can learn a lot from each other by seeing how they all attack their jobs in different ways. "We are

learning and teaching each other new methods and ways how to use

our equipment. We also get information through our

Facebook page about new machines and tools," said Greenwood.

During the first five months there has been

a lot of sharing of information,

bringing



Bill Greenwood.



Frank di Mambro with his wife.



Mark Krchmar.



Deon Cawthray with his wife.



Debi, Bill Greenwood's wife, is handling a lot of the administrative stuff with CCNA and takes care of production and delivery of the CCNA stickers. Anders Andersson is the founder of the Scandinavian group for concrete cutters Håltagare.

ing the owners together with cutters in the field and the estimators. Sales people from independent to the major manufacturers are seeing how their products are doing on sites with reviews to hopefully help them improve their products. "I couldn't imagine how well this group has evolved and the influences it has on the industry. I really hope it grows into something larger to help bring the concrete sawing and drilling industry into a even respectable trade," said Greenwood.

However, visiting these Facebook pages will show that there is unsuitable language used among some of the nutters. "Yes the group is a little bit rough on the edges. The members that post are hard-core concrete cutters. We treat this like we are together on the job site bantering each other all the time. But I guarantee, we are also there for each other when one falls another or many are there to help him up again. It should be easy to access and become a member. Then we all improve our work, supporting each other even with our country differences and just as much personal differences. If the rest of the world would look at this group and take a lesson from it the world would be a better place," said Greenwood.

Mark Kchmar also express his feeling for this industry and the importance of an association where all stand on the same level. "I have been in this industry the longest I believe and I put my first blade into concrete in 1978. I have been very active in this industry and have cut concrete in 42 of the 50 states in the US. I have also been working with concrete cutting in three foreign countries. When this with CCNA started we never dreamed it would grow like it did. But when we hit around 300 I started to voice concerns about the nutter name and the skull with a blade thru it. But I was voted down," Mark smiles. "I have

learned so much about the cutters themselves over the years and how much passion so many have for this industry. I never knew before that there actually were 4th generation cutters. I mean guys who have followed the family tradition of being on the tools. Some guys are even using the same tools their fathers and grandfathers have used. It is amazing! And these men are proud of what they do. They deserve more respect. They deserve to be treated as the skilled tradesman they are. These men need a true association and the CCNA page has shown is they want one. Amen," added Mark from CTS in Maryland.

Well on the way to form a global association

In Australia Dean Cawthray believes the CCNA online association is an incredibly good idea to reach the world's concrete cutters. "That all these Facebook groups, including CCNA, has received so much response from the global sector of concrete cutters is incredible and for me it also shows that we maybe have something that the traditional national associations don't provide. Maybe they don't reach out to their members and potential members completely," said Cawthray. "There are so many aspects of being a member in a branch association, what the association should do for you and what the association expects from you as a member. It easily gets very bureaucratic, which scares off many. For me basically and first of all it should be fun to be a member of a branch association where you also





can identify yourself with others even if they operate on the other side of the world. That's where CCNA has started and we intend to go the full way and establish a complete international association for concrete sawing and drilling contractors around the globe. We have already been working a lot with this, making surveys among our members and we are working on our constitution right now. More information about this will soon be posted on our Facebook page."

Cawthray has a union background and is owner of a



Frank Di Mambro in South Africa has shared some really nice pictures from a job he believes is probably the biggest cutting ever done in the southern hemisphere. His company cut a turbine block at the power station in Kusile, South Africa. Frank said that they cut 40 of these block each weighing 120t. If you have jobs that you want to tell the PDi readers about take some pictures and write a few lines and send it to info@pdworld.com.

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concrete cutting company in Australia. He mentions that the power of numbers, and means a lot of members hold a lot of weight when it comes to negotiations with regulatory authorities and government. In many countries rather small national associations do not have that impact. CCNA has started to raise funds and the next step is to format the association, which will be totally international. "It can only work if CCNA is totally international. On part of the fund raising is to sell stickers, at A\$6 each (EUR4), as a symbol for being a member in the association and as a contribution to move the association forward," said Cawthray. "We are selling them on eBay currently and we have an incredible demand from UK and US. We have also started to sell T-shirts and hoodies. Personal contributions are of course also welcome. But we are yet not so experienced in setting up an association like this so we are currently taking small steps. And the deal between the founders of the association and the members is that if nothing is ever happening with this the funds that the association has received will be donated to support science to cure breast cancer."

Cawthray said that the CCNA made a survey when the membership was 1500 and 350 replied. Of those 180 were owners and operators, 50 were operators and the rest were owners. The management of CCNA hope that the membership and encourages those interested to log on to Facebook, search for Concrete Cutting Nutters Association and become a member. "We are calling out to all Concrete Cutting Nutters. All for one and one for all. Never leave a fellow concrete cutter behind and stay safe out there," said Greenwood. Finally PDi Magazine encourage everybody that becomes members of CCNA to by their member stickers. Take a picture of the sticker placed on your helmet and send it to the PDi editorial office and we will publish it.

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Hartl at Steinexpo

At the recent Steinexpo exhibition in Nieder-Ofleiden, Germany, the Austrian mobile crushing and screening manufacturer Hartl Crusher, presented their current product range of eight different bucket crushers and screeners. Hartl also used the show to present its dealer EMB Baumaschinen Handelsgesellschaft, covering Bavaria, Baden-Wuerttemberg, Rhineland-Palatinate and Saarland since the start of the year. Hartl used the opportunity to refresh former, current and future customers in a unique environment and to work together on solutions in the area of mobile processing technology.

The general feedback on Hartl products was extremely positive and some sales were closed at the exhibition. "One transport, one excavator, one man, the easiest handling at a minimum requirement of space and a reasonable investment sum with quick amortization, is what makes Hartl a key success factor for our customers," said Hartl sales director Klaus Stüber.

Steinexpo was also a success for Hartl's international. A highlight was the signing of the dealer contract between Hartl and Hoftec, which is the exclusive dealer for the Russian market. "It is a very important step back into Russia with our new products. We are proud to cooperate now with our preferred partner Hoftec to provide our Russian customers not only the best products, but also best service and support," said Hartl chief executive Dominik Hartl.

The Hartl crusher is a jaw crusher, which is built into the form of a bucket. This compact crushing or screening unit is mounted on an excavator, or similar machine, with a quick coupling system and works using the hydraulics of the host carrier. Employing what Hartl calls its quattro movement, the crushers provide high throughput and a nearly constant cubical end product. The company hosts monthly demonstration days for customers in various applications and materials near their headquarters in Mauthausen.

www.hartl-crusher.com



RM Strong in Germany

Rubble Master dealers in Germany Christophel and Kölsch had a joint stand at the recent Steinexpo displaying three RM compact crushers. Main focus was on the RM V550GO!, a



Above from the left: Jürgen Kölsch chief executive Andreas Kölsch, Rubble Master chief executive, Gerald Hanisch, Christophel chief executive Rüdiger Christophel, Rubble Master managing director Rudolf Schöflinger.

125t/h mobile gravel and sand plant being demonstrated in the Steinexpo basalt quarry.

"When two dealers represent one and the same company there is often ground for conflict. We represent six different manufacturers. We share not only the territory, but also the representation," said Christophel managing director Rüdiger Christophel. Together with Jürgen Kölsch Christophel has also been

representing Rubble Master in Germany since 2013. There were 24 sales staff on the stand. You have to be a good listener to do that. And this is exactly what works so well with our sales partners," said Rubble Master chief executive Gerald Hanisch.

"The RM V550GO! is three crushers in one, but operating it is not rocket science, thanks to Rubble Master's proven GO! concept," said Jürgen Kölsch sales manager Sean McCusker. The feed hopper has a capacity of 5.5m³ and can handle pieces up to 300mm. A Vortex crusher works on the inside, uniting the technology of a jaw crusher, an impact crusher and a mill in one machine. This crusher unit turns the input material into high-quality aggregate. The standard version of the RM V550GO! weighs in at 33t and is powered by a 280kW John Deere diesel engine. Christophel will be on tour with the RM V550GO! visiting customers in North Rhine-Westphalia to show the crusher on-site.

The 24-strong sales team of Christophel and Kölsch with the Rubble Master team at Steinexpo.



Cardi's Da Vinci cutting system

The Italian manufacturer Cardi is launching the modular Da Vinci cutting and drilling equipment system, which has four power heads and a steel track for an extruded aluminium carriage to run on. The power heads can be purchased separately from each other and are the Coccodrillo35, wet cutting with diamond chain, Alligatore 22, dry cutting with carbide tipped chain, Pellicano400, wet cutting with diamond blade and T10 500 - EL, for long and continuous drilling operations. Da Vinci is the first cutting system equipped with electric 230V single phase motor that can be used in any environment, the company claims. Users have the possibility to purchase, together with the track system, a single power head and only when needed, other power heads. Performing cutting and drilling jobs autonomously means a considerable saving of costs and waiting times.

The rigid guide of the cutting tools allows precise and fast cuts, which do not require follow up finishing operations. The Da Vinci power heads do not transmit vibrations to the structure or the operator. The Da Vinci system is designed to increase tool life with a significant reduction in the cost/m², when compared with hand-held cutters. The system's low weight allows it to be used by only one operator and can be transported in a small truck or car.

Da Vinci Wet Cutting system

The DV CD35-1500 is a wet cutting system, which uses a diamond chainsaw Coccodrillo35 for cutting concrete walls, concrete blocks, stone, bricks, cinder blocks and all similar construction materials. It perform a 350mm deep cut and is perfect for cutting walls, floors, openings for windows and doors, passages, enlargement of existing openings, deep niches and corner cuts without over-cutting. The power head Coccodrillo35 can also be used hand held to cut stones, bricks, concrete blocks, etc. or for finishing jobs.



Da Vinci Dry Cutting system

DV AL22-1500 is a dry cutting system, which uses a carbide tipped chainsaw, Alligatore 22 for cutting abrasive materials and materials with a low cement content, solid and hollow blocks, poroton, tuff, limestone, aerated concrete and similar construction materials. The system can perform a 530mm deep cut.



The Alligatore 22 can also be hand held to cut blocks of material, or for finishing jobs.

Da Vinci Wet Hand Held System

DV PE400-1500 is a wet cutting system which uses the 400mm blade hand held saw Pellicano400 that allows the cutting of concrete walls, concrete blocks, stone, bricks, cinder blocks and similar construction materials in general. Cutting depth is 160mm and the system can also be hand held.

Da Vinci Wet Drilling

The DV T10-1500 is a wet drilling system, which uses the heavy-duty core drill motor TALPA T10-500-EL. Combined with an extra long mast the system can cater for 1m long core bits with 1m long extensions. It can drill up to 500 mm diameter with the possibility to tilt the mast up to 45° towards the operator and 5° in the opposite direction. The drill motor can be fixed with the Cardi cam lock system.



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Caterpillar launches Cat 326D2 excavator

Caterpillar has added the Cat 326D2 to its extensive range of hydraulic excavators. Weighing 26.35t it is powered by the Cat C7.1 engine, which is rated at 140kW and meets exhaust emissions equivalent to US EPA Tier 2, EU Stage II, and China Tier 2 emission regulations. Depending on the region, both

the standard and heavy-duty 5.9m reach booms have two stick options of 2.95m and 2.5m. In addition a mass excavation 5.3m boom with a 2.5m stick permit the use of a larger bucket. There is also a super long reach front linkage that has a 10.2m boom and 7.85m stick.

Kobelco benefits from advanced technology

Kobelco has introduced its first ever mini-excavator, the SK55SRX, equipped with the Japanese brand's integrated noise and dust reduction technology. First seen on the recently introduced SR class of Kobelco construction machines, this method of dust filtration, combined with engine cooling, promotes environmental wellbeing and reduces engine noise output to a new level, making the SK55SRX perfect for urban work. The 5t Japanese built SK55SRX features a number of technical innovations designed to improve work efficiency and reduce operating

levels of power and torque. A 23% further fuel saving over previous model in class can be obtained with the machine in energy saving mode.

"The introduction of the SK55SRX extends the already available and impressive line-up of Japanese manufactured Kobelco specialist excavators," said Kobelco product marketing manager Peter Stuijt. "With an overhang of just 190mm the SK55SRX complements the compact design of the latest range of Kobelco SR mini-excavators. Combined with exceptional lifting and working capacities, the SK55SRX is the optimum machine for restricted working space. Further benefits are reduced operator

costs, exceptional performance with cleaner emissions and solid reliability."



costs. Kobelco has also equipped the SK55SRX with a new dozer blade to minimise over-spill during levelling operations. The SK55SRX has a new and slightly larger upper structure for optimum stability versus lifting performance. This also means the cabin area is expanded for improved visibility and operator comfort.

The SK55SRX is powered by a Yanmar 2.189cc diesel engine and is exceptionally fuel efficient, even when delivering maximum

New wheel loaders from Wacker Neuson

Wacker Neuson is expanding its range of wheeled loaders to 11 models up to 0.95m³ bucket capacity with the latest WL34, WL44 and WL54. With the new machines, Wacker Neuson has implemented the requirements that the company faced from the market. "It is our aim to meet our customers' desires as best as possible at all times and to meet the requirements of

various industries," said wheeled loader product manager Philipp Hedtrich. "Sturdy and easy-to-use machines for loading and transporting goods across short distances that can also be used as a multi-tool are in increasing demand. These requirements were implemented with the new wheel loaders, without sacrificing quality or compromising safety."



Epec introduces the 6107 display unit

Epec is releasing a high-performance, easily configurable full-colour display specially designed for mobile machinery. Combining modern computing, software and display technology, the Epec 6107 display unit is an ideal solution for the most demanding heavy-duty applications, like mining machines, excavators, agricultural machinery and wheel loaders.

A freely programmable graphical user interface provides an opportunity to maximize machine use and efficiency, while keeping the interaction simple and user friendly. The Epec 6107 is equipped with two CAN bus interfaces, two Ethernet and two USB interfaces together with RS232 serial interface via M12 and AMP23 connectors.

These interfaces allow the machine to be connected to higher level information systems, such as databases for monitoring production.

The Epec 6107 Display Unit is Codesys 3.5 programmable to fulfill all the needs required of a central operator interface of mobile machines. Codesys 3.5 can be used to design display gauge meters, icons, buttons and texts.

Typically the display application may have several tens of windows, and is used to adjust and store system parameters, application backup copies and system event logs. In addition there is also a range of powerful software tools to enable efficient implementation of application.

The design and shape of the unit housing protects the electronics against mechanical wear and provides water and dust proof operation. Epec 6107 supports panel and frame mounting and has a resistive touch widescreen. Wide viewing angles and high brightness offer good readability in direct sunlight.





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Volvo unveils concept compact excavator

Volvo Construction Equipment has unveiled its concept compact excavator, the Gaia X. "It has been designed to work in harmony with nature, with minimal environmental impact, and that cares for the user and site staff, keeping them safe from harm," said Volvo CE design director Stina Nilimaa Wickström. "The GaiaX places the user right at the heart of the machine. It should be easy, almost effortless to operate, providing the ultimate in comfort, efficiency, productivity, and safety."

The GaiaX is minimalistic with no more structural features than are required to carry out the job. A lightweight steel guardrail replaces the traditional cab, while the battery acts as the counterweight. The rechargeable batteries are designed for a whole working day, but the GaiaX can also be plugged into an external electrical power supply. "It has four electrically powered tracks and we envisage the GaiaX being used in city environments where it would be easy to plug into a power source," said Volvo product design chief designer Sidney Levy.

The GaiaX's zero emissions and silent movement are also advantages when operating in built-up areas. "We have learnt a lot in trying to make the GaiaX as simple and efficient as possible, some elements of which



will be able to be applied to our machines in the future," said Levy.

Passersby are protected by warning sensors that alert the operator to their presence while an airbag inflates from the seat to shield the operator in case of collisions, rollover, or falling objects. The GaiaX has a wooden seat, designed by award winning Swedish furniture designer Monica Förster. It is formed from three-dimensional moulded wood, a first in the construction equipment industry, and its natural flexibility helps to absorb bumps or vibrations.

While the seat is surprisingly comfortable, operators will not always need it. They can sit on the excavator in a traditional way for precise movements and transport, but most applications can be carried out remotely using a tablet computer. This enables the operator to dig with the machine and keep an eye on the surroundings at the same time. Remote operation also allows the machine to be used in potentially dangerous situations, while the operator maintains a safe distance.

The computer will be mapped with the city's utility systems, showing the exact location of water pipes and electrical cables on screen, allowing the operator to visualise the work before it is carried out. A ground scanner provides precise information on obstacles to guarantee the effectiveness of auto-dig modes. It also projects images onto the ground to show the worksite and mark safe zones for the operator and passersby. The computer will also connect to other machines in the fleet to provide a more effective way of working.

Kubota debuts next generation

Kubota has introduced the RTV X-Series, the next generation of utility vehicles. The new line includes the RTV-X900, for a wide variety of jobs; the RTV-X1120D, a deluxe model that steps up in power and amenities; and the RTV-X1100C, which offers enhanced styling and ergonomics. The RTV-X900 is equipped with a 16.1kW diesel engine, standard four-wheel drive, and power steering. The two-speed in-line shift allows operators to maintain better control and shift less often, with two forward speeds, high and low, as well as neutral and reverse.



The RTV-X1120D is Kubota's new deluxe model that offers a step up in power, comfort and style, from its proven 18.5kW diesel engine and higher ground speed of up to 47km/h to its halogen headlights and alloy wheels. The hydrostatic power steering offers more personalised comfort with a tilt-feature.

Completing the line is the all-weather RTV-X1100C, offering a quiet, fully enclosed unibody cab that features a heating and air conditioning system and two large roll-down windows. The X1100C cab, as well as all other RTV X-Series models, meets SAE J2194 and OSHA 1928 ROPS standards.

www.kubota.com

Komatsu launches intelligent machine control excavator

Komatsu has introduced the PC210LCI-10 excavator to the European market that features

Komatsu's machine control and guidance system, fully integrated with the benefits of a standard PC210LC-10 excavator. Thanks to the exclusive control function, operators will no longer worry

With the world's first intelligent machine control excavator, the bucket is automatically limited from digging beyond the target surface. The control function maintains grade automatically, with real-time bucket edge positioning in relation to the machine and the job surface. Status is instantly displayed on the full colour, multi-function monitor, eliminating the wait time associated with conventional sensors.

Factory installed, Komatsu's fully integrated intelligent machine control system includes stroke sensing hydraulic cylinders for the boom, arm and bucket, for precise real time bucket edge positioning. The inertial measuring unit gives precise machine orientation



about digging too deep or damaging a target surface. From rough digging to finish grading, the PC210LCI-10 excavator, weighing between 22.6t and 23.5t, can dramatically improve efficiency, precision and safety on sites. This is achieved by consistent accuracy when rough digging, and by completing final grade automatically in just one pass. Cycle times and operator performance are improved with a reduced risk of error, and lower costs for fuel, labour and machine utilisation.

"This latest Komatsu technology is a revolution in how hydraulic excavators will be used in the future," said Komatsu hydraulic excavators and intelligent machine control product manager Mal McCoy.

Antennae send satellite signals to a GNSS receiver that processes them and provides real time position of the machine.

The Komatsu PC210LCI-10 excavator lets the operator focus on moving material efficiently, with no worry about digging too deep. The touch screen control box monitor, makes grading easy and accurate with a facing angle compass, a light bar and audio guidance. Information such as real-time as-built status, a magnified fine grading view or a 3D bird view can be displayed simultaneously. By setting 3D design data on the control box monitor, staking can be reduced or eliminated, as can surveying and final inspection.



Swiss Rotolance debut

In Switzerland specialist hydrodemolition contractor, Walo Hydrodynamik is removing more than 25,000m² of concrete decking on the Viaduc de Chillon, above Lake Geneva using an Aquajet 2500 Rotolance.

The Viaduct was completed in 1969 comprising two structures 12m wide carrying the east and west bound lanes of the A9 auto route. Both viaducts have a span of 2150m, but investigations in 2013 found that the concrete decks were affected with alkali aggregate reaction, with the alpine aggregates used being badly corroded.

A perfect tool for deck removal

Walo was awarded the contract to remove between 3mm and 5mm of the concrete deck on the eastbound lanes. On completion the deck will be paved with a fibre reinforced concrete developed by Holcim to strengthen the deck and contain the alkali aggregate reaction. Walo is using its Aquacutter 710 VE hydrodemolition robot, with a 4m mast extension and the latest Rotolance 2500. With the Rotolance traversing along the 4m long extension beam, it is programmed to automatically advance 160mm each cycle, as the unit reaches the end of the beam. The Rotolance is operating at a water pressure of 2000bar and flow of 120litre/min to achieve concrete removal rates of 100m²/h. "The Rotolance 2500 is the perfect tool for deck removal where the depth is up to 5 mm and over very large areas," said Walo Hydrodynamik manager Bruno Zuberbühler.

In addition to removing the deck surface concrete the Rotolance is also being used to cut five 2mm deep channels across the deck to assist in consolidating the new concrete and forming a stronger bond. Walo will begin work on the westbound viaduct next year in a repeat operation to remove a further 25,000m² of concrete deck.



Alessandro Campa, director of Aquajet dealer Atümat (left) and Walo project manager Bruno Zuberbühler.



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Genesis extends grapple range

In the US Genesis Attachments has announced that its GSG Scrap Grapple is now available in 10 sizes. Ranging in capacity from 0.4m³ to 1.9m³, GSG grapples fit 20t to 80t material handlers to meet a wide range of application needs. Designed to reduce maintenance, improve durability, lower operating costs and enhance safety, Genesis Scrap Grapples feature the following:

- Identical hardened steel bearings with dust seals at all pivot points to keep out contaminants
- A heavy-duty cylinder guarding

system that protects the cylinders and internal components and is easily removed for maintenance

- Reverse-mounted cylinders that protect rods from damage
- Large-bore hydraulic cylinders to maximize clamping force
- Long-life, abrasion-resistant steel tips that are easily replaced with a simple perimeter weld.

Genesis also provides a fine variety with flat or point tine shapes in half or narrow width spades for high-volume scrap processing.

Liebherr's new R 926 compact excavator

Liebherr has launched the new R 926 compact excavator weighing 25t to replace the R 924 model. Its 120kW diesel meets stage IIIB exhaust emission standards and has a diesel oxidation catalyst emissions treatment device and a Liebherr particulate filter is available as an optional. The R 926 combines the power and versatility of a standard excavator with a compact design particularly suited to urban building sites. Thanks to its unique range of equipment and options, this machine can be configured for all types of work involving excavation, pipe-laying or demolition. The new maintenance concept integrated into the R 926 helps reduce service times to increase productivity. Operating costs are also lower thanks to its low fuel consumption and the integration of an automatic tool change system. The cab on the R 926 is more comfortable, more spacious and offers exceptional visibility. It is ROPS certified and features the latest technologies to ensure optimum machine performance. The cab is also equipped with a high-definition colour screen with touch screen control and reversing video camera; it also boasts numerous options for settings, checks and monitoring, including air conditioning and engine or tool parameters.



Caterpillar launches Cat349D2L excavator

Caterpillar has introduced the Cat 349D2 L hydraulic excavator, with a long undercarriage, providing a 5.36m track length and a 3.34m track width when equipped with 600mm tracks shoes. It has an operating weight between 44.4t and 47.3t and is powered by a 301kW Cat C13 ACERT engine. Depending on regional offering, the 349D2 L is available with reach or mass excavation booms and dipper sticks. The 6.9m long reach boom is offered with a 3.35m long stick. The shorter 6.55m mass excavation boom comes with a 2.55m long stick for Africa, Middle East and CIS and a 3m stick for Turkey.

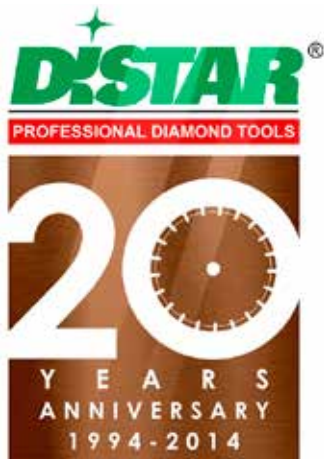
An range of Cat Work Tools, including buckets, hammers, grapples, shears, multi-processors and rippers, enhances versatility and utilization. The new Cat pin grabber coupler meets or exceeds all global industry standards for coupler safety. Field-installed hydraulic kits for work tools feature pre-made hoses and pre-bent, pre-painted tubes as well as comprehensive instructions to simplify installation.



DiamantWerk's 20th anniversary

On the 5 September the Ukrainian-Italian joint venture company Di-Star celebrated its 20th anniversary. It started in 1994 with the production of diamond saw blades for ceramic and stone processing plants. In 1997 Di-Star started producing diamond tools for the construction market.

Starting from 2000 the company has been annually investing more than EUR1M in its technologies, infrastructure and production facilities. The latest technical equipment allows the production of diamond tools in the different price brackets for the different directions of the construction market. Di-Star has its own metal working base, which is able to produce the wide range of metal cores, moulds and punches for the unique form segments, blades and front cutters. Production facilities at Di-Star have the latest technologies such as laser welding, laser cutting and



graving, impulse welding, manufacturing of the segments with the oriented diamonds and cold and hot press sintering.

In 2010 the company restructured to the private label DiamantWerk and focused on high-end technologies of the diamond tools manufacturing. Currently the company has a score of new and ambitious projects. On its 20th anniversary the DiamantWerk



team has been able to realize its mission of creating the world, where diamond tools

technologies allow to build quickly, simple and in effective way.

MTG's new distribution agreement in Turkey

Wear parts manufacturer MTG, based in Barcelona, Spain, has appointed TSM Global as its distributor in Turkey. The agreement entitles TSM Global to supply MTG wear parts to current MTG users in Turkey and is also a first step for both companies to develop new projects in the region. The appointment will also complement TSM Global's distribution agreement with Sumitomo construction machinery in Turkey. The technical competence and high quality standards of MTG products combined with the regional expertise and distribution network of TSM Global, will make of TSM a full bucket solution provider, for construction and mining machinery. "TSM Global is extending our coverage throughout the region," said MTG regional sales manager for Turkey and south east Europe Raúl Menéndez. "The current size of the Turkish market and the growing perspective for the region makes Turkey a key player in our expansion plans for the future. We are convinced that this partnership will help us increase our presence in the market."

Volvo cares at Bauma China

At this year's Bauma China exhibition in

Shanghai Volvo Construction Equipment will use the theme 'Caring drives innovation' to display several new products in the exhibition area B.64. Main products on show to confirm Volvo's commitment to the China market will include the new P6820C and P8720B pavers, EW60C wheeled excavator, L220G wheel loader and the EC170D and EC220DL crawler excavators. Also new, and designed specifically for the China market, is a range of attachments for the L105 wheel loader, which turn this adaptable machine into a multiple tool carrier. Attachments include an advanced log grapple, a high tipping bucket and a side dumping bucket, which will be particularly useful in China's many tunnels and underground mine sites.

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Breaker maintenance: Say goodbye to bad habits

**Chicago Pneumatic
Construction Equipment
hydraulic attachments
representative Ralf Majchrzak
reports on the importance of
avoiding bad habits when
maintaining breakers.**

Meticulous maintenance of a rig-mounted hydraulic breaker is extremely important in guaranteeing its longevity, which will positively impact a company's bottom line. After all, a rig-mounted breaker is no small investment and in today's cost-con-

equipment investment. For instance, it is not uncommon for some operators to use the tool on a breaker to pry concrete or rock into a better position. This is one of the worst practices when it comes to keeping a breaker in optimum condition. As a result, the breaker can be damaged or the tool can be bent or broken. Wrong positioning during the process can also cause unnecessary wear to important components.

Another important practice is to use a breaker only in short bursts. Running a breaker continuously for more than 15s to 30s can cause extreme heat build-up and warp the tool. Additionally, breaking is highly effective during the first 10s and becomes very ineffective after 30s, so regular repositioning is required.

Blank firing is a common mistake that can affect the life of a breaker. Blank firing occurs immediately after material is broken, and is basically the tool firing against itself. If the force from that blow is not absorbed by the rock or concrete, the breaker ends up absorbing the force. This can cause unnecessary wear to components, and some manufacturers, like Chicago Pneumatic with its PowerStop mode, offer a feature to reduce blank firing.

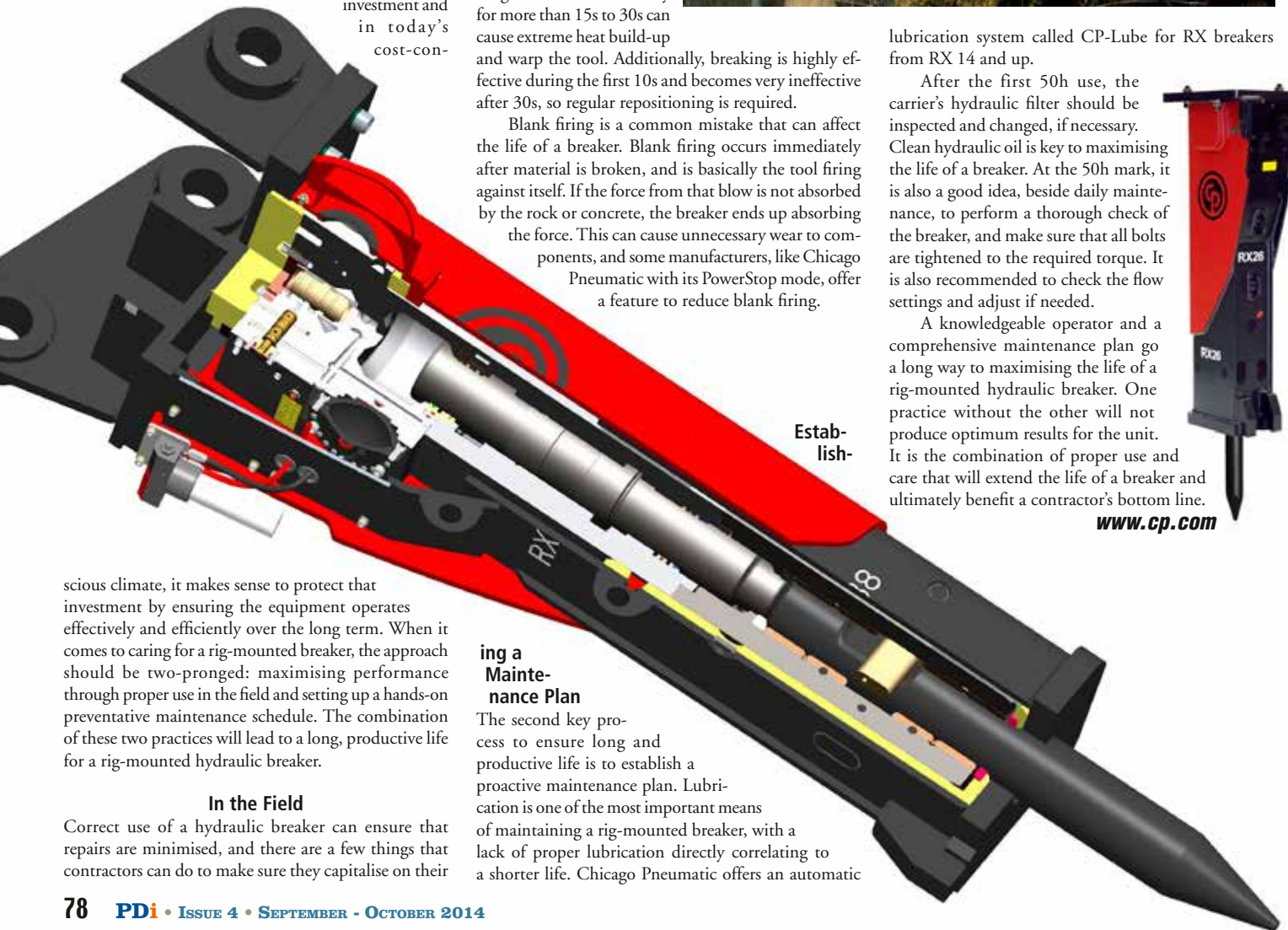
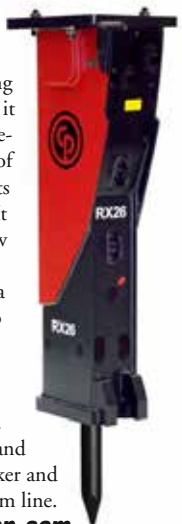


lubrication system called CP-Lube for RX breakers from RX 14 and up.

After the first 50h use, the carrier's hydraulic filter should be inspected and changed, if necessary. Clean hydraulic oil is key to maximising the life of a breaker. At the 50h mark, it is also a good idea, beside daily maintenance, to perform a thorough check of the breaker, and make sure that all bolts are tightened to the required torque. It is also recommended to check the flow settings and adjust if needed.

A knowledgeable operator and a comprehensive maintenance plan go a long way to maximising the life of a rig-mounted hydraulic breaker. One practice without the other will not produce optimum results for the unit. It is the combination of proper use and care that will extend the life of a breaker and ultimately benefit a contractor's bottom line.

www.cp.com



Estab-
lish-

ing a Maine- nance Plan

The second key process to ensure long and productive life is to establish a proactive maintenance plan. Lubrication is one of the most important means of maintaining a rig-mounted breaker, with a lack of proper lubrication directly correlating to a shorter life. Chicago Pneumatic offers an automatic

scious climate, it makes sense to protect that investment by ensuring the equipment operates effectively and efficiently over the long term. When it comes to caring for a rig-mounted breaker, the approach should be two-pronged: maximising performance through proper use in the field and setting up a hands-on preventative maintenance schedule. The combination of these two practices will lead to a long, productive life for a rig-mounted hydraulic breaker.

In the Field

Correct use of a hydraulic breaker can ensure that repairs are minimised, and there are a few things that contractors can do to make sure they capitalise on their



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Liebherr at Bauma China

Liebherr will display its latest technologies and developments in the construction machinery and components segments at Bauma China at its outdoor booth B12 and indoor hall N4 / booth 28 from 25 to 28 November, 2014 in Shanghai.

The crawler excavator R 966 to be displayed weighs around 67t and is equipped with a 4.5m³ backhoe bucket. The R 966, which follows the R 964 C, is dedicated to the quarry and mining applications. The crawler excavator, with a 320kW stage 111A / Tier 3 compliant engine, has a range of undercarriages including a variant with variable track adjustment for simplified transport. The R 944 C excavator will be displayed as a super mass excavation version with an operating weight of 43t.

The Liebherr L 580 wheel loader to be shown is equipped with a 5 m³ high-dump bucket with bolt-on cutting edge, and achieves a tipping load of 18t with an operating weight of 24.7t. The combination of the hydrostatic drive and position of the engine enables movement of high loads. Liebherr wheel loaders offer low fuel consumption and require up to 25% less fuel than comparable models from other manufacturers, the company claims.

From its programme of material handlers, Liebherr will exhibit the A 934 C Litronic, which has an operating weight of approximately 37t. It is powered by a 150kW Tier 3 / Stage IIIA engine and has a wide support base with large pads for maximum stability allowing loads to be raised up to 17 m and moved to the same working radius.

www.liebherr.com

Kuiken demonstrates Sandvik impactor

Sandvik Construction's distributor for mobile crushing and screening products in the Netherlands, the Kuiken Group, has held a demonstration of the Sandvik QI341 Prisec HSI Impactor. With a hanging screen it offers a closed circuit crushing system, which can produce a calibrated product without the need for further machines. Additionally, its compact size and mobility make it ideal for inner-city recycling sites where space is limited.

During the demonstrations the QI341 was fed 0-600mm recycled concrete material at a rate of 190-200t/h. The crushed product will be used primarily as recycled sub-base

material for road construction. The steel bar present was also to be recycled after being discharged by the overband magnet. The pre-screen process was completed through the double deck pre-screen. For this application, the customer utilised a 60mm punched plate on the top deck accompanied by 40mm square mesh for the bottom deck.

All remaining material was passed into the crushing chamber to the Sandvik CI411 Prisec HSI Impact Crusher. The crusher can work as either a primary or secondary machine with just the simple adjustment of the curtain shaft positions. For this application the crusher chamber was in primary position

with the first curtain at 180mm and second at 50-60mm. This adjustment allowed the machine to achieve outstanding reduction ratios but also provided an innovative solution for crusher blockages as the curtains can be hydraulically raised allowing the blockage to pass.

The QI341 Impactor chamber also has a heavy-duty four bar rotor system. This can also be operated with two full and two half blow bars depending on the application. The bars are held in position by a very simple and easy to remove wedge system which allows very quick change out time. The hanging screen system is a single deck, two bearing screen box which, for this application, featured a 55mm square mesh allowing the machine to put a sized product on the ground. The oversize product can be either returned or stockpiled using a hydraulically controlled slew ring system on the recirculating conveyor.

Flexco prevents conveyor spillage

Loss of material can be expensive for operators of conveyor systems. The energy of impact during transfer is a frequent reason for the loss. Flexco Europe supplies and installs impact beds that slow down the speed at which bulk material falls onto a conveyor belt. This absorbs the impact energy and prevents damaging vibration and increases service life.

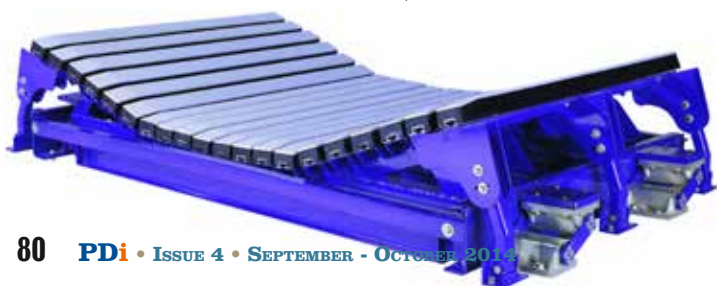
To select the appropriate impact bed, users need to determine the weight of the largest materials to be conveyed. This figure is then multiplied by the height of the fall and the result gives the approximate impact

energy. If a user is conveying coarse, large-sized material at great heights, for example, very strong impact forces can be generated. The DRX3000 impact bed is equipped with additional vibration damper for this purpose. In addition there are fixed impact rails at the side and together with skirt clamps, seal off the transfer area.

Flexco also offers DRX1500 impact beds to provide additional force reduction with isolation bars that further absorb the impact. For applications with moderate impact forces, Flexco offers the DRX750

impact bed. These are used in belt conveyors that transport limestone or hard rock with material sizes up to 250mm. These impact beds are also equipped with isolation bars. For rock sizes up to 150mm, Flexco has the DRX200 impact beds.

www.flexco.com



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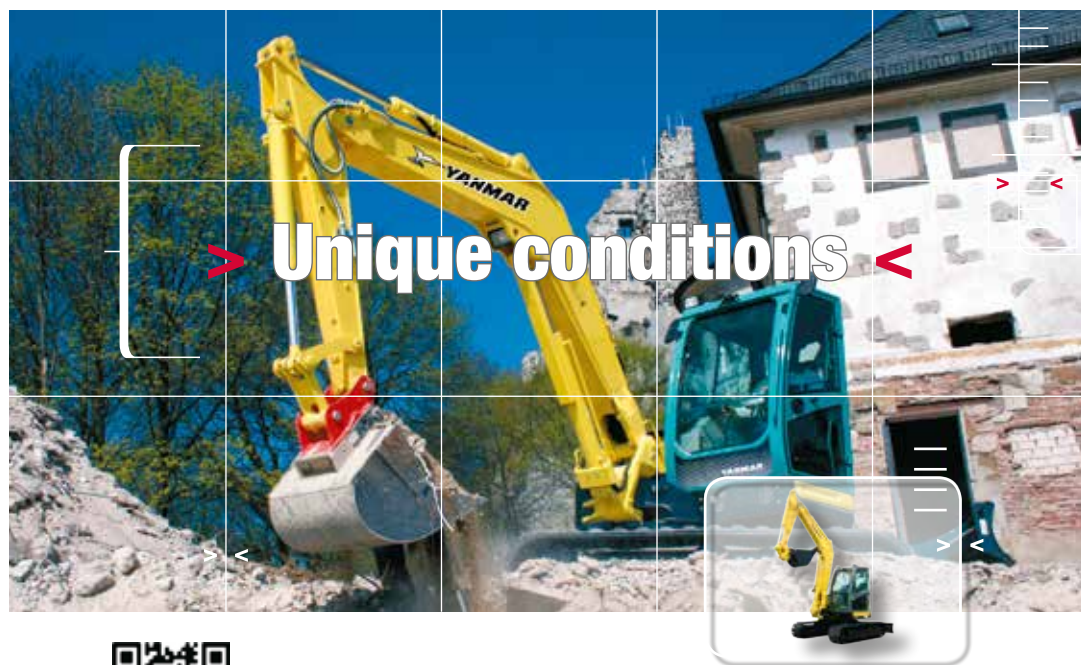
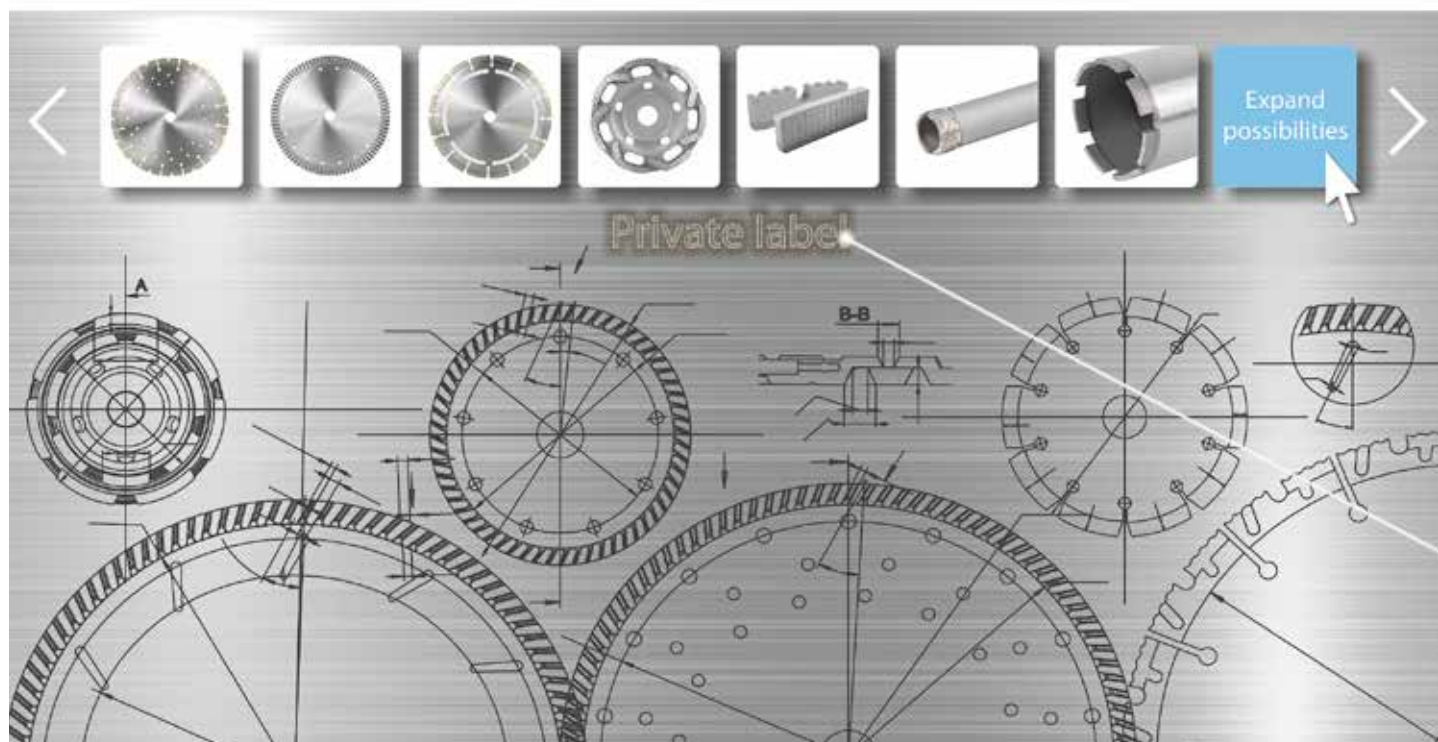
The new generation of TYROLIT drill motors is characterised by excellent performance and an intelligent control panel. The robust, compact design is also suitable for the toughest of construction site conditions. The assortment covers all fields of application and is rounded off by an extensive range of accessories such as drill rigs and drill bits (optionally in TGD® technology).



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The new ViO80-1A is equipped with the Yanmar 4TNV98C-WBV engine which complies with the latest Stage 3B emission standards. The Common Rail system and the ECU (Engine Control Unit) ensure perfect control of the engine operation while the Eco-mode and faster working cycles offer 18% improved productivity.



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Big area for Dust Boss

In the US dust management solutions manufacturer Dust Control Technology has introduced its largest ever dust suppressor the DustBoss DB-100. Engineered specifically to reach the working face of quarries and open cast mines, the new dust suppressor has a

range of more than 100m, giving it ample reach to cover material stockpiles 60m to 100m high. The huge atomized misting unit is nearly 2.4m tall, and can cover an area of more than 26,000m² from a single location.

The DB-100 was designed with input



from some of the leading mining and quarrying companies in the world, with data collected from numerous site visits, where visibility around huge working areas can be profoundly impacted by dust. "Most operations use water trucks to wet down haul roads before trucks enter the area for loading," said DCT chief executive Edwin Peterson. "Unfortunately, the technique is only marginally beneficial on surface dust, and it has virtually no effect on airborne particles."

Water trucks also do not address dust from the loading operation, as their reach is

limited only to the area around the driving surface. "This new unit will reach all the way to the working face of a quarry or mine, knocking down dust from the shovel as it picks up or drops material," said Peterson. "With the improved visibility and air quality, quarrying and mining companies can maintain a safer and more productive workplace." DCT equipment carries the industry's longest warranty, the company claims, and can be purchased outright or rented from an extensive fleet of dust suppression equipment.

www.dustboss.com



Renewable energy powers waste plant

In the UK Woodford Recycling Services, based in Huntingdon, Cambridgeshire has recently installed the latest materials recycling facility designed and built by BlueMAC and supplied by Blue Machinery Central. It is believed to be the first of its kind to be powered by on site generated renewable energy. Through its subsidiary Woodford Waste Management Services and Arevon Energy, who run the onsite biogas operation, power is provided for the entire plant, with 1MW also exported to the National Grid, providing enough electricity to supply 1500 homes.

Mark Farren owns Woodford Recycling Services Ltd, starting the business in 2010. Rational yet spectacular growth has seen Mr Farren's operations encompass a national waste brokerage service, skip hire, wood processing, crushing, screening and waste processing with the latter achieving an 85% recyclables recovery rate from incoming waste streams.

Employing 20 personnel and covering Cambridgeshire and the surrounding areas, Woodford Recycling Services decided to source

a new materials recycling plant from BlueMAC as part of a £2M investment to increase its efficiency and capability in recycling and reclamation. "We looked at other potential suppliers as well as BlueMAC," said WRS owner Mark Farren. But we were highly impressed with the design and robust build quality of the BlueMAC, as well as Blue Machinery's in-depth knowledge and experience in designing and installing waste recycling plants, with over 140 already at work throughout the UK. We visited the BlueMAC factory to discuss our requirements and the design and engineering capabilities we saw there gave us confidence in making our investment with the company."

The 20t/h recycling plant was designed to provide a compact and efficient materials flow from incoming waste to final separated and clean recyclable products. A belt feeder conveys the material to an 8.5m long X 2.5m diameter trommel screen, which features a split mesh drum and passes a blower for removal of light material and on to a picking station.

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Atlas Copco offers financing

Atlas Copco is offering a customer finance programme through its dealers that provides contractors with a single source for buying and financing equipment. It allows contractors to finance new and used Atlas Copco equipment, as well as other manufacturers' equipment their dealers carry. The programme also finances freight, maintenance and service packages.

Atlas Copco responds within hours to approving finance. There is less paperwork as customers can purchase and finance all of their equipment through one source. Atlas Copco pays dealers one lump sum in as few as two days and contractors pay Atlas Copco directly. This makes the process considerably faster and easier for customers and dealers.

Atlas Copco Construction Equipment vice president of sales Alan Kurus said that many customers prefer working with an established company that they know for equipment and financing. "Construction, road-building and other contractors need the right equipment to complete jobs on time and on budget," said Kurus. "To buy it they need reliable access to financing, and that's what Atlas Copco provides through this programme. It's another part of our effort to be a comprehensive partner rather than just an equipment supplier."

The customer finance programme is available in more than 80 countries and offers terms based on each applicant's financial circumstances. Customers can finance EUR8,000 or more over time, most often between three and five years. Atlas Copco Construction Equipment, part of Mining, Rock Excavation and Construction, is responsible for the sales, aftermarket service and rental of portable compressors, generators, tools and attachments used in the construction and demolition industries. Atlas Copco Construction Equipment innovates for sustainable productivity in infrastructure, civil works, oil and gas, energy, drilling and road construction projects. The company is headquartered near Denver, Colorado, and extends its reach through a nationwide network of sales and service stores, specialist distributors and rental equipment providers.

www.atlascopco.com



Weka enlarges its drill rig range

Weka has enlarged its drill rig range with the new diamond drill rig KS30 and KS30S and KS30E versions, which suitable for Weka diamond core drill types DK26, DK32, SR25 and SR38.

The KS30 can be used for drilling holes up to a diameter of 300mm and with adaptor plate up to 350mm. The feed case of the KS30 is fitted with a ball bearing roller guide with the rollers moving on guide rails. Roller adjustment is made by two eccentric shafts. A circular level enables an exact vertical adjusting of the drill column. A stop pin is used for loosening the drill bit.

The machine is connected by an adaptor plate and eccentric tappet with the feed case. The operation is with a hand wheel and additional tools are not required. The drill feed can be applied on either side of the feed pinion. The angular adjustment is carried out by loosening the clamp with the hand wheel. A water level, which is integrated in the drill column, enables the exact adjustment.

The rig foot made of aluminium can be fixed with dowels or by vacuum clamp. A water collecting ring is available which can be fitted by a spring tension between column and footplate.

The version KS30S is fitted with a steel foot which is more robust and especially suitable for professional use.

A more cost-efficient version is offered with the KS30E where the feed case is fitted with plastic rollers, which move on the aluminium column and can also be adjusted by eccentric shafts.



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 - Improved safety



AEM safety manuals outline directional drilling best practices

The Association of Equipment Manufacturers has produced a new Directional Drilling safety manual and updated its Directional Drilling Tracking Equipment safety manual to reflect the latest industry best practices for drilling safely. Key hoisting and cross boring are prominently featured in the safety procedures for underground utility damage prevention. AEM safety manuals are industry-consensus safety documents presented in an easy-to-follow format. They are a convenient and cost-effective way to provide safety information to operators and are not a substitute for manufacturer's manuals. They were produced under the auspices of AEM's Underground Equipment Manufacturers Council.

"The AEM safety manuals are an excellent resource, because AEM draws from a number of manufacturers' experiences and expertise to reach an industry consensus on best practices," said UEMC vice chair and Charles Machine Works product safety and compliance manager Susan Harmon. "We are fortunate to be able to work with AEM and other HDD manufacturers to create and update these manuals with pertinent information for our industry."

AEM safety materials cover more than 40 types of equipment used in agricultural, construction, forestry, mining and utility applications. Select materials are available in Spanish, Chinese, Russian, French and French Canadian. All AEM safety manuals, videos, and related safety and training products are available online.

AEM's snapshot-survey

The mood was generally upbeat in an end-user survey conducted earlier this year by the Association of Equipment Manufacturers to give its members a snapshot-look at market perceptions. According to the survey, respondents plan to increase fleet sizes and staff levels, and many are starting to look at adopting telematics technologies. In the survey, 40% of respondents said they planned to increase fleet size, and an additional 29% said they would maintain their current size. Some 47% said they would achieve this through buying equipment, 13% by renting and 22% by a combination of buy and rent.

For company staffing levels, 49% said they planned to add employees during the next two years, and 33% planned to maintain current staff levels. Only 5% said they expected to reduce staff. When asked if they had any plans to use telematics in the next 18 months, 22% said yes, they understand the technology, and an additional 15% said maybe.

"With this quick-look survey, we wanted to deliver more customer understanding for our members, a broad perspective of market conditions," said AEM market

intelligence analyst Benjamin Duyck. "And we'll offer another layer of insight and dialog through our follow-up questions and sharing on social media."

NBA All-Star keynote speaker for CSDA Convention

In the US the 43rd annual Concrete Sawing and Drilling Association's Convention and Tech Fair will be held on 30 March to 2 April, 2015 at the Vinoy Renaissance St. Petersburg Resort and Golf Club on the Gulf Coast of Florida. To provide cutting, polishing and imaging professionals from around the world with an exciting convention programme, the CSDA has selected keynote speaker Mark Eaton who can help businesses achieve breakthrough results. Mark Eaton rose from an auto mechanic to a National Baseball Association All-Star. After 12 years with the Utah Jazz, he reinvented himself to become a business leader, entrepreneur, radio and TV personality and subject of a soon-to-be released film. In his presentation, The Four Commitments of a Winning Team, Eaton explains how business owners can turn themselves and their employees into top performers by applying the same concepts that create sports superstars. He gives proven strategies and powerful, actionable ideas that can be used to create breakthroughs in the workplace and inspire a team to start playing a bigger game.

To match the energy and enthusiasm of Eaton's keynote, the CSDA has chosen a vibrant Florida city with the perfect blend of sun, fun and culture to host the 2015 Convention & Tech Fair. St. Petersburg offers award winning beaches, top-rated restaurants and a plethora of parks, museums and entertainment venues. In addition, the IndyCar Firestone Grand Prix is scheduled for the weekend preceding the convention. This race takes place on the city's streets and delegates are encouraged to arrive early and experience this unique event.

The CSDA's convention agenda includes a range of educational sessions and entertaining social events that will provide delegates with the right mix of business and pleasure. All this, plus the association's Tech Fair event will provide manufacturers the chance to show technology and products to their customers in an event specifically targeted to their field.

The CSDA convention will be attended by owners, managers and operators from concrete cutting, polishing and imaging companies, as well as representatives from supporting manufacturers and distributors. Registration opened in early October.

www.csda.org

Next NDA Convention in Nashville

In the US the National Demolition Association's next and 42nd Annual Convention &

Expo will be held at the Gaylord Opryland Resort and Convention Center in Nashville, Tennessee on 21 to 24 March 2015. The Convention provides four days of educational offerings, networking and access to the largest demolition Expo in the world. "Each year, we gather professionals from all segments of the demolition industry, including demolition contractors, GCs, materials producers, as well as government regulators and institutional leaders," said NDA executive director Michael R. Taylor. "Our goal has always been to provide everyone with the best return on the investment they make to attend the event."

Exhibitors or sponsors interested in more information should contact the NDA at info@demolitionassociation.com.

www.demolitionassociation.com

Hydroblasting automation, safety and education at 2014 WJTA-IMCA Expo

The 2014 WaterJet Technology Association-Industrial and Municipal Cleaning Association Expo was held on 14-15 October at the Morial Convention Center in New Orleans. The Expo is the premier trade show dedicated to high-pressure waterjet/hydroblast tools, equipment and services, industrial vacuum trucks and hydroexcavators, and related equipment.

Contractors and facility owners are increasingly looking to automated equipment for their cleaning jobs, and the 2014 Expo will focus on providing industry professionals opportunities to see and learn about new robotic hydroblasting equipment, safer and more ergonomic manual/semi-automated water jetting equipment, and advanced vacuum trucks/hydroexcavators through educational programs, innovative live demonstrations, equipment displays and networking events. The Boot Camp educational programme covered information and training to improve safety, productivity and the bottom line. Topics included Busting Waterblast Myths and Nozzle Selection by Bill Shires from StoneAge; Hose Inspection and Record Keeping by Jeff Davis, GHX Industries; Hydroexcavation by Neil McLean, Hydro Excavation Consulting; the Power of Vacuum by Phil Stein, Consultant; Grounding and Bonding by Mike O'Brien, Newson Gale, and Robotics in Hydrodemoli-

tion by Patrik Andersson, Aquajet Systems. The challenges, advantages, and outlook for implementing hands-free hydroblasting is the topic of a new programme with a panel discussion format. Representatives from BASF Corporation, Dow Chemical, DuPont, HydroChem, PSC Industrial Services and Veolia North America will lead the discussion. Participants saw cutting edge equipment operate, the mechanics behind the operation and observe safety practices necessary to avoid jobsite accidents during innovative live demonstrations. A list of exhibitors, the schedule of events, and online registration is available at www.wjta.org.

MTG's new distribution agreement in Turkey

Wear parts manufacturer MTG, based in Barcelona, Spain, has appointed TSM Global as its distributor in Turkey. The agreement entitles TSM Global to supply MTG wear parts to current MTG users in Turkey and is also a first step for both companies to develop new projects in the region. The appointment will also complement TSM Global's distribution agreement with Sumitomo construction machinery in Turkey. The technical competence and high quality standards of MTG products combined with the regional expertise and distribution network of TSM Global, will make of TSM a full bucket solution provider, for construction and mining machinery. "TSM Global is extending our coverage throughout the region," said MTG regional sales manager for Turkey and south east Europe Raúl Menéndez. "The current size of the Turkish market and the growing perspective for the region makes Turkey a key player in our expansion plans for the future. We are convinced that this partnership will help us increase our presence in the market."

New Case Compact Wheel Loader

Case Construction Equipment has added the new F Series range of compact wheel loaders. The four model line, ranges from the 4.4t, 21F to the 6.2t, 321F and feature a new hydraulic system and either XT parallel linkage or Z bar linkage to maintain buckets and pallet forks remain parallel to the ground when lifting. They also have a new low cab profile design and also meet Tier 4 Final exhaust missions standards.



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