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Words from the IACDS President



SAFETY ON THE WORKSITE, A PRIORITY FOR THE INDUSTRY

The construction industry as a whole, and the drilling and sawing sector in particular, is well known for many reasons. Unfortunately, one of them is the hazard that workers often potentially face while on duty. Those risks, related mostly to machinery, tools, and exposure to harmful substances, are intrinsic to our profession. Therefore, it is crucial for all industry professionals to keep up to date to ensure the well-being of the workforce and prevent incidents.

One of the most notorious issues on the construction site is the abundance of silica dust. Since it is present on many construction sites, often mixed with other materials, drilling, cutting and sawing works usually result in large amounts of this hazardous dust. In order to control the exposure of workers to silica dust, companies have been making significant advancements in safety measures and equipment.

Firstly, engineering controls are employed to minimise the production of silica dust at source. This may involve using wet methods or vacuum systems to capture dust before it becomes airborne. Additionally, most companies ensure proper ventilation in enclosed workspaces to disperse any dust that is produced.

On the other hand, personal protective equipment (PPE) is essential to safeguard workers from inhaling silica dust. Respiratory protection, such as N95 respirators or powered air purifying respirators (PAPRs), are crucial for workers exposed to silica dust. Proper training in the use of PPE and regular fit-testing are essential to ensure its effectiveness. Furthermore, companies must conduct regular air monitoring to assess the levels of silica dust in the workplace. This helps in determining whether the control measures in place are adequate or if additional measures need to be implemented.

Finally, training and awareness play a significant role in preventing silicosis. Workers should be educated about the hazards of silica dust exposure and the importance of following safety protocols. Regular safety training and toolbox talks reinforce safe work practices and emphasise the value of their well-being.

Safety in the drilling and sawing industry is of the utmost importance for the industry. The protection and prevention of diseases, such as silicosis, is the top priority for any drilling and sawing professional. Unlike equipment, the health of the people carrying out the work is priceless, and we must treat it as such.

However, these safety measures must be complemented by strict adherence to silicosis prevention guidelines, including engineering controls, respiratory protection, air monitoring, and education. That's where the public administration and other entities come in, as a close collaboration with them can bring much needed awareness about this topic.



Douglas Walker, president of IACDS

By prioritising safety and investing in the well-being of the workforce, we can create a secure environment that fosters productivity and minimises the risk of accidents and occupational illnesses, thus achieving an industry where quality, security and productivity come hand in hand.



NFDC and NDTG unveils new headquarters

The UK's National Federation of Demolition Contractors (NFDC) and National Demolition Training Group (NDTG) recently unveiled their new headquarters at a dedicated event attended by over 60 industry representatives and the local MP.

Established in 1941, the NFDC is the driving force behind the evolution of the demolition sector, uniting over 130 contractors and 90 industry service providers to raise industry standards, ensure maximum safety on sites and promote peer to peer learning and engagement. 2023 also marks the 45th anniversary of the NDTG, as it pursues a focus on the development of more people of all ages, with a special focus on ex-offenders, ex-forces personnel and other people returning to work or looking for their next step in life.

Having recently appointed new CEO, Duncan Rudall, new president, John Lynch and 2nd vice-president, Simon Barlow, the NFDC has undergone some progressive changes over the last quarter as it embarks on a 'new age'. In acquiring its new office building, located in Hemel Hempstead (near London) the two organisations have established a modern base able to deliver industry events and dedicated training and development seminars.

Local MP, Sir Mike Penning, attended the event and cut the official ribbon, opening the new Resurgam House office. At the opening, he commented that, "The future of the NFDC and NDTG is bright and needs to be at the heart of government policy in driving the required change and innovation. It is a brilliant industry to be a part of and work needs to be done to raise awareness amongst young people about the opportunities that exist."

Reflecting on the new headquarters, new CEO Duncan Rudall said: "The investment in the new NFDC and NDTG headquarters is representative of the 'new age' of the Federation, as we continue to play a vital role in shaping industry standards, while ensuring we respond effectively and proactively to new challenges. The new building is part of our renewed strategy and something the leadership team and I are incredibly proud of. We now look forward to leveraging this space as much as possible and in increasing our membership engagement."

Rototilt Group, new member of the EDA

Rototilt Group is an international company whose focus is primarily on the excavator operator. Founded in 1953 under the name Br. Jonsson, it began by selling excavators, slowly expanding towards other products. Today, Rototilt Group operates in dozens of countries all over the world, having dealers and service providers in North America, Europe, Africa and Asia. Among its products, Rototilt Group produces couplers, tiltrotators and control systems,

as well as tools and other smart solutions.

The company stands out due to its commitment to the environment and sustainability, based around taking the long term perspective, where engagement, a systematic approach and participation at every stage are of crucial importance. Rototilt Group defines its core values as quality, focus on customers and capacity, as well as a high attention to details. www.europeandemolition.org



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I HAVE SEEN THROUGH THEM

When I was young, I often looked up to politicians. I thought they had opinions and answers to all the questions, even if I didn't always agree with them, and I have to admit that sometimes I was really impressed with their knowledge. I have realised that it is often a certain type of person who becomes a politician. When I studied communications and culture at university, I often found it difficult to get involved in discussions as I often had not formed an opinion about the topics being discussed. A small group of students in my class had opinions about everything and were the ones leading the discussions while many others in the class just sat quietly and listened. Where did they get all the opinions and knowledge from?

As I have grown older, I've realised that many of our politicians' function in much the same way. They have a clear idea about everything, but it turns out they're not actually that well informed. Sometimes, or even quite often, they are actually as stupid as I felt when at university. It is often more about self-confidence rather than knowledge, and it is often these people who we make our elected officials and who become leaders of many countries.

Now that I am much older, I have gained quite a lot of experience in life and my opinions have been formed from that. Today, it would be much easier for me to get involved in the discussions in the classroom during my university time. Now I can put my opinions into perspective and anchor them based on reality. I think many of our political leaders today around the world sound a lot like the students in the university classroom. They have opinions but nothing to anchor them in, and no experience of their own to draw upon, even a negative one. But they still rise to leading positions while the rest of us just sit quietly and listen. We may not agree anymore but we don't interact.

Right now it feels like we've reached a real low water mark in pure stupidity in the world. We let these narcissistic leaders fill us full of their lies with the result that democracy is further eroded; the same world in which it took so long to build free and democratic societies we enjoy today. Now this process is being shattered from country to country. I won't mention any names of the leaders who I believe are going in the wrong direction, but there are quite a few of them and we have several very clear examples.

A few weeks ago I visited the Steinexpo tradeshow in Germany. As usual, I was impressed by many manufacturers' smart solutions to increase the safety and efficiency of working with machines in the construction industry. You never cease to be impressed by the knowledge and ingenuity shown. A good example is the company Hammerglass' shatterproof glass in engine cabins that saves lives. I would like this desire to learn, and knowledge based on everyday reality to permeate our politicians to a much greater extent, and we should get rid of the politicians who are only after power and wealth. I would like to conclude by saying that there are actually good politicians who sincerely want to create a better world. But I'm afraid that with the developments we have today, they are fewer and fewer.



Jan Hermansson
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Bobcat reveals new developments at 'Demo Days 2023'

This year's Bobcat event again played host to customers, dealers, and the press from all over Europe, the Middle East and Africa (EMEA), who came to see the latest that Bobcat has to offer. This included the first look at Bobcat's S7X, said by Bobcat to be the world's first all-electric skid steer loader, one of three new loader concepts shown at the event. Visitors also experienced new technology developments, including the 'MaxControl' system with the new Kishi physical remote.

Blending established products with new developments, Demo Days 2023 provided an opportunity to try out the full range of Bobcat wheeled and tracked loaders, mini excavators, telehandlers, light compaction products and attachments in working conditions. Bobcat also showed how the recently acquired Doosan forklifts and Doosan portable power products will look in signature Bobcat white and orange branding. The Demo Days took place from 22 May to 2 June 2023 at the Doosan Bobcat Campus at Dobris in the Czech Republic.

Howard Button announces retirement

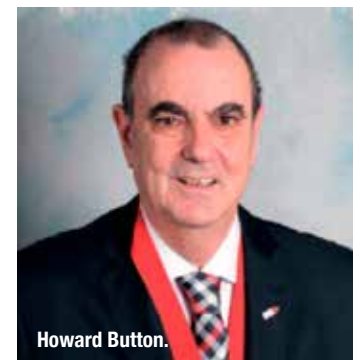
Demolition industry legend and longtime CEO of the UK's National Federation of Demolition Contractors and National Demolition Training Group, Howard Button, has announced he will retire in December 2023. Button has been in the demolition industry for 50 years, having been at the helm of both Button Demolition and then the NFDC and NDTG. Even before starting formal employment in demolition he was involved in the industry and recalls helping at his grandfather's yard, de-nailing reclaimed wood for re-use at the age of just eight years old.

As an NFDC member, Howard swiftly rose through the Federation under the mentorship of another legend in demolition, Sidney Hunt Snr. Howard attended his first NFDC National Council meeting as a regional chairman in 1990, before going on to hold the office of president from 1996 to 1999. In 1999 Howard was awarded the title of Honorary Life Vice President of the NFDC and also took on the role of president of the Institute of Demolition Engineers. Following this, in 2004 he also became president of the European Demolition Engineers and took on the newly created role of NFDC CEO.

Since he took the role of CEO, Howard has been integral in driving major developments for the industry, including introducing CCDO

Smart cards, and the development of the NFDC accredited site audit scheme. It goes without saying that the NFDC would not be where it is today without Howard's influence over the past 30+ years. The NFDC and NDTG have unending gratitude for Howard and the years of tireless dedication and leadership he has given.

It will be difficult for anybody to match Howard's contribution to the industry, and it will be difficult for the industry to ever truly express the depths of its appreciation for a true icon of demolition. Howard Button will retire on the 31 December 2023.



Howard Button.



Komatsu BR380JG-3

The BR380JG-3 is your new Komatsu jaw crusher. Highly productive and efficient, it features a fully automatic discharge setting adjustment system. With an inlet size of 1065 mm x 550 mm this 35 tonnes-class crusher can deliver a maximum treatment capacity of up to 240 t/h. What's more, the BR380JG-3 has a unique CO₂ offsetting scheme, making it the first truly environmentally friendly crusher in Europe.





Recycling equipment, an essential tool for the circular economy

The worldwide preoccupation with sustainability and the circular economy has grown significantly in recent years, with the demolition industry following suit. Whilst consumption increases, materials are finite. Thus, the need for recycling is stronger than ever.

This issue must be addressed from several perspectives. On one hand, public entities and administrations hold a great deal of power and possibilities in their hands. Specifically, the implementation of measures and incentives to promote recycling within the construction industry falls mostly on their shoulders. The presentation of the European Green Deal by the EU Commission, for example, represents a great start to increase awareness and promote the circular economy in the sector.

As for professionals working in the industry, we also have our part to play. Construction, and demolition, in particular, are known for generating large amounts of waste. However, concrete, ceramics, wood, metal, and many other materials, have considerable potential to be recycled and reused, minimising the waste resulting from activities.

This potential has only recently been realised. For many years, any obvious residual was seen as waste, and disposed of as such. This means that we, as industry professionals, must rethink and reinvent the way in which we approach and treat the issue. Many changes and innovations must be made to achieve this goal.

That's where recycling equipment comes into play. Having an adequate tool at our disposal is essential to carry out the work. Once the organisation of the worksite is done and the scope of recycling possibilities is determined, the workers must use appropriate sorting equipment, accompanied by the correct attachments for each recycling process.

Since each demolition activity is unique and faces individual challenges, sometimes it's difficult to make an assessment as to what tools and machinery might be correct for the specific work-

site. Thus, to make its contribution to the industry, the European Demolition Association, EDA, has published its 'Guide on Recycling Equipment for Construction and Demolition'. Meticulously curated by a working group on the same topic, it aims to provide guidelines and recommendations for the use of recycling technology.

As is the case with any EDA document, it is a work in progress: when the equipment and methodology evolve, so will we. Making contributions to the construction industry, providing accessible materials to its workers, and exchanging the obtained knowledge from a variety of sources has always been our priority, and it is a great honour to see the sector coming together for those purposes once again.

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



Stefano Panseri, President of EDA, European Demolition Association



Industry expert with focus on innovation and transformation takes on key position

Develon, formerly known as Doosan Construction Equipment, has filled an important new position.

Effective 1 March 2023, Andreas M. Lohner took over the function of sales manager for Germany, Austria and Switzerland (DACH) as well as Eastern Europe. Now, with effect from 1 June 2023, he has additionally been appointed as managing director of the newly founded company, HD Hyundai Infracore Deutschland GmbH, based in Mannheim.

Andreas M. Lohner can already look back on a very successful career in the construction machinery industry. Born in Franconia, he was responsible for a number of management functions in the areas of sales, marketing and digital business at the Wacker Neuson Group for over a decade. Among other things, he was managing director of Wacker Neuson Sales Germany for many years and is familiar with hybrid sales networks (dealer sales, direct sales with own branches and e-business). Most recently, he was responsible for global corporate marketing and digital business, including training centres, for Wacker Neuson, Kramer and Weidemann. Prior to that, Andreas M. Lohner gained more than ten years of extensive management experience as a member of the leadership circle in a

renowned management consultancy active in the successful realisation of growth and change projects in family owned companies and in the upper medium sized business sector.

"We are delighted to have Andreas Lohner, a proven industry expert, at Develon. He brings an excellent track record and shares our passion for digitally driven innovation. At the same time, we would like to thank Hans-Joachim Erdmann, who was in charge of the DACH region on a transitional basis last year," says Gilles Bendaoud, vice president Sales for Develon Europe.

Andreas M. Lohner is looking forward to the challenge ahead: "Develon, has an excellent reputation with its solutions in the industry with many real fans. And when I think of our innovations that will reach market maturity in the coming years, the customers will be thrilled. Like, for example, our innovations with the patented transparent wheel loader bucket; simply a brilliant solution that significantly increases work safety. Together with our dealers, we will also strike out in new directions while maintaining a balance between continuity and partnership based exchange at eye level, always with our customers at the centre of all our considerations, so that added value is created."

Keestrack appoints new managing director for Chinese facilities

Richard Li, has been appointed as new managing director of Keestrack Construction Equipment Co., Ltd. based in Chuzhou, China as of 1 June 2023. Richard has an impressive track record with companies such as WesTrac, Doosan Infracore, NFLG, Bauer and Ingersoll-Rand, and has proven to be a highly efficient managing director in a variety of roles. "In his new role Richard has to optimise the Chinese production facility, the sales and aftersales service offices, and growth of the Asian, Southeast Asian, Australian and New Zealand markets. With his management experience in dealer development and his strong motivational leadership, we have full confidence he will succeed

in this mission," says Kees Hoogendoorn, founder and president of Keestrack.



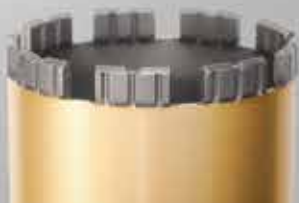
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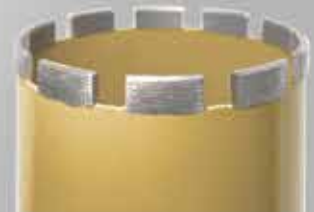
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www.indiandemolition.org
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WORLD OF CONCRETE

23-25 January 2024
Las Vegas Convention Center, Las Vegas, USA
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THE ARA RENTAL SHOW 2024

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Ernest N. Memorial Convention Center, New Orleans, USA
www.arashow.org

GIC EXPO 2024

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www.gic-expo.it

INTERMAT 2024

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Villepinte, Paris Nord, France
www.intermat.fr

DEMCON 2024

September 19-20, 2024
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BAUMA CHINA 2024

26-29 Nov, 2024
Shanghai Exhibition Center, Shanghai, China
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BAUMA CONEXPO INDIA

11-14 Dec, 2024
India Expo Centre, Greater Noida, New Delhi, India
www.bcindia.com



SENNEBOGEN'S NEW PLANT TO MEET INCREASED DEMAND

The new steel plant of Termelés-Logistic-Centrum GmbH in Litér (Hungary), has enabled Sennebogen to expand capacity for steel assemblies and welded constructions. A 29,000m² production hall and an office building were built on an area of over 13ha. The plant was officially opened on 26 May 2023 with 80 new jobs being created.

The new steel plant in Litér offers increased capacity due to the expanded area, as well as improved facilities for warehousing, work preparation and intralogistics. Investments were also made in modern machine tools and machining centres for mechanical processing as well as for flame and laser cutting. "With the new plant, we are supplementing our previous steel component production in Balatonfüred. The locations are also logistically connected via plant traffic," says managing director Michael Seiferling.

The investment created 80 new jobs and

in addition to the production hall, modern office space and a canteen for employees were also created on the 13ha area. The sustainability aspect also played a key role in the design of the new location. For example, the plant was equipped with a photovoltaic system so that it will be energy self-sufficient with the electrical power generated from the PV system. The office building is also heated with energy efficient underfloor heating and the production hall with low temperature heating via concrete core activation.



ALLU Finland OY donates a DN3-17 for de-mining operations

ALLU Finland Oy has announced that it has donated a DN 3-17/TS16mm bucket to the HALO Trust NGO for de-mining operations, the process of removing landmines and other explosive remnants from a specific area. This is necessary as landmines are typically buried in the ground and can remain active for decades after a conflict has ended, posing a serious threat to civilians, and impeding economic development. De-mining activities involve carefully locating and removing all explosive hazards, as well as educating local populations about the risks associated with unexploded ordnance.

De-mining operations can be complex and dangerous, requiring specialised equipment and personnel with extensive training in explosive ordnance disposal. A leading specialist in de-mining activities around the world is the HALO Trust, and to this end, ALLU was pleased to aid activities through donating a DN 3-17 TS16mm to The HALO Trust. Peter Smith QGM, HALO Trust programme manager Ukraine stated, "We are delighted to be working with ALLU and we look forward to integrating the ALLU DN3-17 into our de-mining operations in Ukraine."

Peter Gronholm ALLU managing director said, "ALLU has a proven solution for de-mining operations and has worked with other organisations over the years to supply a similar application. We are delighted that our donation will be put to good use. De-mining is an essential component of post conflict reconstruction efforts, allowing communities to safely access their land, build infrastructure, and resume their daily lives without fear of injury or death from unexploded landmines."

Hilti 'Nuron' tools receive leading design awards

Hilti products have been again recognised globally for their design and functionality. This year, Hilti's Nuron tools received a total of 21 awards, including eleven Red Dot Awards and ten iF Design Awards.

The Nuron range of products have again been recognised by award juries, with winners being the high performing SIW 4AT-22 cordless impact wrench and the B 22-55, B 22-85, B 22-110, B 22-170 and B 22-255 battery platforms. Another two time winner is the TE 2000-22 cordless jackhammer, which is designed to deliver the same demolition performance as the corded flagship model TE 2000, but eliminates the hassle of having

to find mains power and the risk of trailing cords. The DSH 600-22 and DSH 700-22 battery cut off saws are said to offer the same performance as a 60cc gas powered saw but with less maintenance and up to twice the lifespan of a gas powered saw, with both these products from the Nuron range winning Red Dot and iF Awards.

Another winner was the all new Nuron 22v platform which is said by the company to be the culmination of extensive Hilti research, development, and testing. It can help contractors replace corded and gas powered tools while streamlining the management of multiple tool types and unifies over 90

tools under a single platform. These flagship Nuron cordless products are viewed as a completely new generation of higher performance power tools that offer better features such as enhanced moisture and dust resistance, 'Active Vibration Reduction' (AVR), 'Dust Removal Systems' (DRS), battery charge and health indicators, brushless motors and much more.

Hilti's states that its success in the awards is a result of the company's enduring dedication to creating and designing differentiated products that meet the needs of customers while also pushing the boundaries of what is possible.



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Doosan Bobcat appoints Gary Hornbacher as new EMEA president

Doosan Bobcat has announced the appointment of Gary Hornbacher as the company's new president for the EMEA region. He will be based in Dobris, Czech Republic, where the company has consolidated its manufacturing facility, R&D centre, training institute and EMEA headquarters onto one campus spanning an area of 120,000m².

Gary Hornbacher has served in a diverse number of roles during his 36-year tenure with Doosan Bobcat. He brings extensive experience in sales and marketing, product management, strategy, and total quality management. His most recent position before coming to EMEA was as vice president of Channel development & training at Doosan Bobcat North America. "We are excited to welcome Gary Hornbacher as the new president of Doosan Bobcat EMEA," said Scott Park, CEO and vice chairman of Doosan Bobcat. "Gary's previous experience as senior vice president Commercial in the EMEA region coupled with his diverse background with Bobcat positions him to effectively drive forward our strategic vision and motto – 'we empower people to accomplish more'."

In this role, Gary Hornbacher will focus on a people first culture by creating a collaborative environment where people can thrive and by leveraging individuals' talents to accomplish

achievements. "I am thrilled to join the dynamic Bobcat EMEA region, and I look forward to again serving alongside our team," said Gary Hornbacher.

Gary Hornbacher's loyalty to the company has remained strong through the years, which he attributes to three key areas that are unique to Bobcat. "First, Bobcat has an enduring focus on solving our customers' toughest challenges, whether that be through innovating new technologies or partnering with our dealers to exceed customers' expectations. Next, those who work at Bobcat are proud to be associated with a brand as strong and reputable as Bobcat, and we reinforce that passion by investing in our people through employee coaching and continuous development," Gary Hornbacher said.

"And last but not least, Bobcat is a strong community partner dedicated to improving the places in which we live, work and call home. It's heartwarming to work for a company that provides employees the opportunity to contribute to their communities through company sponsored volunteer efforts and philanthropic donations," Gary Hornbacher concluded.

Gary Hornbacher assumes his new role as Doosan Bobcat EMEA president effective 1 July 2023 and will report to Scott Park, CEO and vice chairman of Doosan Bobcat.



Develon invests in new facilities in Germany

By investing in new facilities in Germany, Develon is setting the course for further growth in Germany, Austria and Switzerland.

A state of the art customer and training centre for the German-speaking countries, together with a demonstration area for testing machines, is being built on a 10,650m² site in Mannheim. The completion of the new facility is planned for the 3rd quarter of 2024. This is aimed at bringing Develon much closer to its customers and dealers. In total, Develon plans to create over 40 new jobs in the region at the new location.

To ensure the best possible framework conditions, an independent company, HD Hyundai Infracore Deutschland GmbH, has been formed. This is another sign of Develon's long term commitment to Germany as a business location and underpins its ambitions to significantly expand its presence and market position in the German speaking market. As early as March 2023, Develon was able to introduce Andreas M. Lohner as the new sales manager for the DACH region and Eastern Europe and is now managing director of HD Hyundai Infracore Deutschland GmbH as well.

The new managing director sees Develon very well positioned for the future: "Both the intended location in Lempacher Straße and our transitional location in Seckenheimer Landstraße in Mannheim are ideal owing to

their optimal location and quick accessibility. By deciding on a fully equipped transitional location, with a workshop that started operating in June, a well-stocked spare parts warehouse, a rental fleet, the latest generation of machines and a wide range of new machines, we can already provide fast, pragmatic and reliable support to customers and partners in the Rhine-Neckar metro region. Every new customer actively helps to create more jobs in the region."

To ensure that customers do not have to wait, operations at the transitional location were started in March 2023 so that large parts of the federal states of Baden-Württemberg, Rhineland-Palatinate and Hesse could be supplied with spare parts and services. A well-equipped new rental fleet is available to bridge order peaks, to conserve the company's own capital requirements or to be able to test a product over a longer period of time. The experienced sales team is also already in place with the decision to take over sales, rental and service operations for a clearly defined market area enabling Develon to build on proven and successful market development with its trade partners. In future, they will also be better supported by German speaking office staff in Mannheim.

Recycling specialist Lindner opens its new home of recycling

On 22 June 2023, the Lindner family business invited longtime associates and partners to the official opening of the new company headquarters in Spittal/Drau, Austria. In addition, the company celebrated its 75th anniversary and the 10th anniversary of its subsidiary, Lindner Washtech.

With the new plant, the production area has more than doubled in size to 14,000m², but as a recycling specialist since its early days, Lindner has placed great emphasis on

sustainability. Therefore a particular emphasis was put on minimising the carbon footprint when planning and constructing the new building with the company being committed to prioritising recycled and carbon neutral materials and generating renewable energy. Air source heat pumps and ground water pumps provide for cooling, heating and ventilation, and the building's own photovoltaic system on the roof provides the necessary energy. As part of the opening celebrations, the company



was also able to celebrate 10 years of Lindner Washtech, its plastics recycling specialist subsidiary, as well as celebrate Lindner's 75th year in business.

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DEPENDABLE EXPENDABLES

NEW TRENDS IN EXCAVATOR ATTACHMENTS

Being at the frontline of every demolition and recycling project, excavator attachments' service life is always limited. Reliable yet expendable work tools, they help general and specialist contractors solve any demolition or recycling task, no matter how complex. PDi's Andrei Bushmarin analyses the latest trends in demolition and recycling attachments.

Epiroc expands demolition portfolio

In April 2022, Sweden based bellwether Epiroc launched its 'V' shaped drum cutter, which was developed to set a new standard in trenching, quarrying, profiling and demolition applications. A patent pending model, the drum cutter has been rigorously tested in said applications. The V shape enables a cut with a flat base, with no material left unprocessed in between the drums space. While a regular drum cutter must move from side to side to create an even trench, the V cutter can achieve the same result by just going straight. The cutter basically works like a bucket, which makes it easier to use, friendlier for the carrier and uses a lot less energy as well as being less time consuming. This seemingly simple solution is said to deliver energy savings of up to 40%. In addition, Epiroc says that the user saves more than 40% on picks and up to 50% on maintenance time, compared to a chain cutter. The investment is said to be

up to 25% less than that for a chain cutter and the lower weight makes it possible to use a smaller base machine.

Epiroc has also added a 'tool on demand' concept to its supply of quality work tools for hydraulic breakers. Sometimes standard work tools are just not enough as special applications often require a longer or shorter tool or the use of special materials. For example, high temperature applications require heat resistant vanadium steel. 'Tool on demand' offers high flexibility depending on a task at hand or customer preferences.

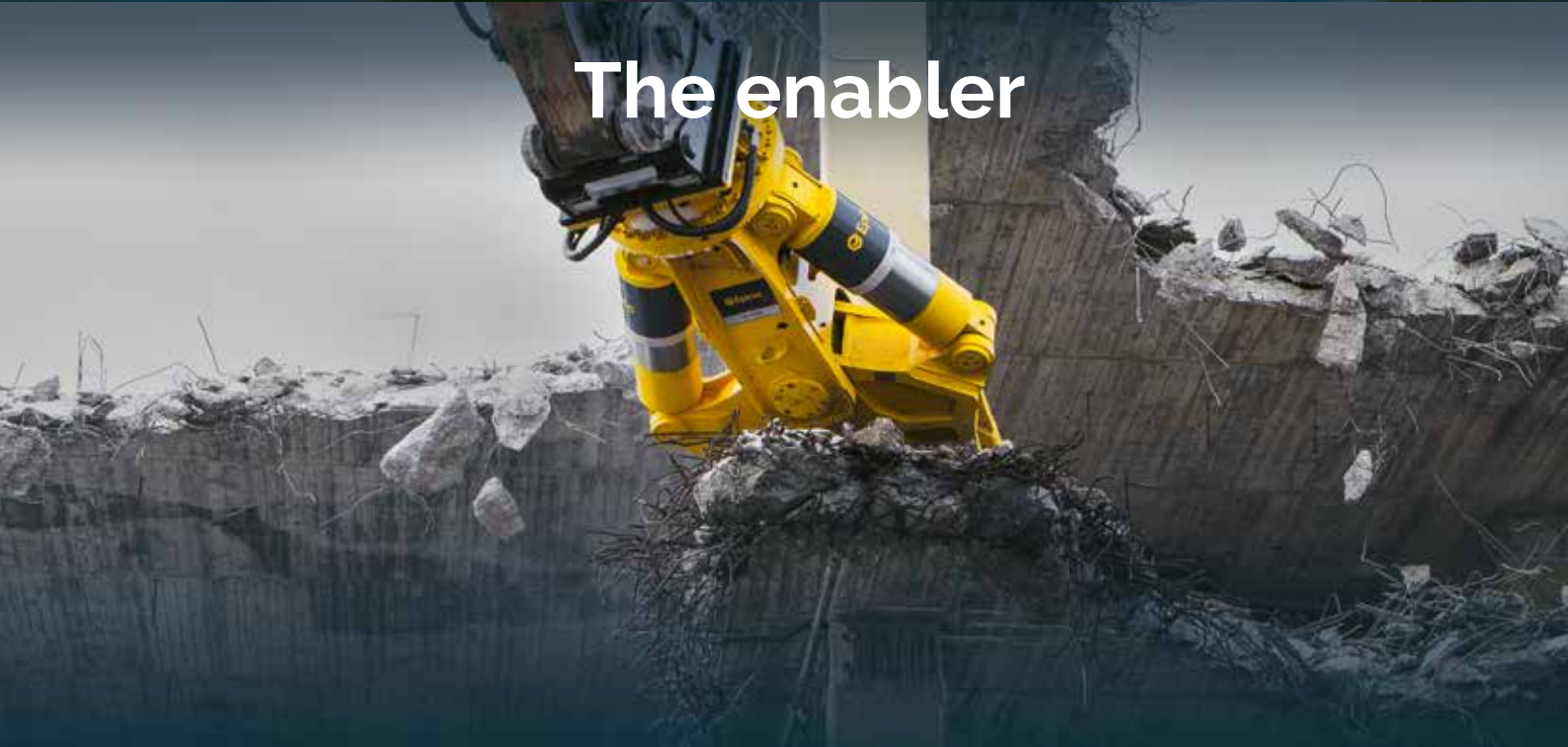
Epiroc's bulk pulveriser range has been expanded with the addition of the two new models. The BP 1650 and BP 4050 which have been designed to be an effective solution for the secondary breaking of demolition debris and separation of concrete from rebar. These new attachments are also a good choice for recycling stations and scrapyards. Suitable for 14t-23t carriers, the BP 1650 weighs in at 1,720kg and has a maximum jaw opening

of 760mm. The bigger BP 4050, which is intended for 40t-55t excavators, has an operating weight of 4,550kg and a maximum jaw opening of 1,200mm. Both models are available in two versions: a standard one and the 'R' version with a rotation unit. Optionally, they can be equipped with Epiroc's 'Hatcon' connectivity tool and a water spraying system. Also new from Epiroc is the DP 1820 demolition pulveriser. With a service weight of 1,820kg, the DP 1820 is suitable for 15t-22t carriers and therefore is an ideal choice for smaller jobsites. The attachment has a slimmer, more robust design with no cylinder rod protection needed. It is said to provide of up to 20% more crushing force between the jaw tip and the cutting blade compared to existing models. Wear is minimised by an optimised wear part design, which, combined with a new speed valve, results in lower maintenance. Cutting blades and teeth are easily replaceable onsite.

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Simex screening bucket does a 'wet job' in Northern England

Available in six models for 1.2t-45t excavators, Simex 'VSE' screening buckets are specifically designed for separating materials of varying sizes onsite. The VSE buckets permit rapid adjustment of output size directly from the cab. Two years on after the launch, Simex is now taking stock of the 'FIT' screening tool technology, this being a low maintenance system which allows changing every single disc or blade quickly and easily. According to the Italian manufacturer, this solution has allowed reduction in maintenance costs of up to 75% compared to the previous system. Multiple configurations are available, depending on the materials being screened. Simex provides its customers with four main set ups, however many other combinations are possible thanks to the 100% interchangeable screening elements. Recently, in the Yorkshire Dales, Northern England, Simex's dealer Mouse Valley Equipment used a VSE 10 screening bucket fitted on a CAT 307D excavator. The attachment processed various materials, including soil and demolition waste. The goal was to separate wet soil from stones and debris. The land reclaimed and cleaned from debris was immediately suitable for subsequent planting. Given the unfavourable weather conditions (heavy showers from early morning), the so-called 'aggressive configuration' was chosen. This configuration was designed to handle compact materials, whether of plant origin or debris from construction and excavations. Despite the high soil humidity, the bucket's production rate was reported to be very high.

www.simex.it

Demarec features 'EcoLine' concept

The EcoLine range of demolition attachments from Netherlands based trendsetter Demarec is a competitively priced product portfolio, which nonetheless boasts all trademark Demarec features. With the EcoLine, Demarec is targeting three main customer groups. First of all, it addresses the existing Demarec users who do not

need the high performance that the premium Demarec products offer. The second category includes companies that perform demolition jobs on an occasional basis. And the third segment comprises such markets as Eastern Europe and India where quality standards are less strict. The first product line in the EcoLine portfolio is the 'DLP' rotary pulverisers. The line consists of eight models designed for 7t-55t carriers, ranging from the smallest DLP-9 (550kg) to the biggest DLP-50 weighing over 4,200kg. The second product group, currently under development, is the 'DSP' line of fixed pulverisers. The first models slated for launch are the DSP-20 with a weight of 1,700kg for 15t-22t excavators and the 2,125kg DSP-25 for 20t-32t carriers. The third type of attachments in the EcoLine portfolio (also under development) is the 'DCC' line of two cylinder bolt cutters.

www.demarec.com

MB Crusher solutions give waste a second life

In Croatia, a MB-G1200 rotating sorting grapple from Italy based attachment specialist MB Crusher is used to transport and sort out waste at a local recycling station. Part of the nine model range, the MB-G1200 is designed for 18t-30t excavators, so it fits perfectly a Komatsu PC210 base machine that the MB customer



used on this job. All sorting grapples from MB are equipped with an anti-fall valve, which is designed to provide maximum safety onsite by avoiding accidental release in case of a sudden pressure drop in the carrier's hydraulic system. Another case study showcases how a MB-HDS314 padding bucket mounted on a Caterpillar 315 excavator is employed to clean topsoil at a job site in Italy. The bucket is complete with a RE8 fine sifting kit permitting the immediate reuse of excavated soil onsite. This particular model is designed for excavators ranging in service weight from 13t-20t. There are another 10 models in the padding bucket range, fitting 1.3t-45t carriers. All models feature interchangeable rotors that can be replaced within a few minutes. Another MB case study shows how a BF90.3 crusher bucket has been used to process pillars made from reinforced concrete on a job site in Brazil. Weighing in at 3.5t, the crusher bucket can be mounted on 21t-32t excavators. On this project, the Brazilian contractor used a Caterpillar 320 machine to get the job done quickly and smoothly.

www.mbcruiser.com

US manufacturer Mazio offers comprehensive choice of attachments

Based in Port St. Lucie, Florida, Mazio Attachments LLC offers contractors a complete line of demolition tools - from primary and secondary crushers to multiprocessors, pulverisers to grapples. Mazio offers six main attachment types, fitting 1t-130t excavators. The 'RS' series of demolition crushers are designed for primary demolition work. With two powerful hydraulic cylinders, the RS crushers are designed to be ideal for crushing concrete at reduced noise and vibration levels. The RS attachments offer full 360° rotation for accurate positioning, Hardox/Weldox structure, reversed cylinders to protect the cylinder rods, pressure relief valve and interchangeable teeth and blades. The 'RV' rotating crushers work well in both primary and secondary demolition. Featuring a regenerative circuit for quick jaw opening and closing and a hydraulic rotation of



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360°, the RV series provides precise positioning of the crusher in every working condition. The RV features a Hardox 400 structure, reversed cylinders to protect the cylinder rods, pressure relief valve, and interchangeable teeth and blades. The versatile 'MC' multiprocessor series with an interchangeable jaw system is handy for both primary and secondary demolition. A fitting kit allows the jaw to be changed for demolition, recycling or scrap applications. The MC units feature a Hardox/Weldox structure, dual reversed cylinders to protect the cylinder rods, pressure relief valve and multiple jaw kits. The 'FPV' series of pulverisers is intended for secondary demolition and recycling tasks. The attachments have a 100% Hardox steel structure, reversed cylinder, interchangeable teeth and a pressure relief valve. The 'MP' series of mechanical pulverisers requires no hydraulic installation because they utilise the piston's pushing force of the excavator's penetrating arm to operate. Mazio's 'GR' series of selection grabs are built from wear resistant steel and are designed to nimbly grab demolished materials for subsequent sorting and loading.

www.mazio.us

Indeco hammer aids in prison break

McMahon Service, an Australia based provider of industrial, construction and environmental solutions, used a HP 7000 FS outsize hammer from the Italian manufacturer Indeco for the demolition of the Waikeria prison in New Zealand. Built in 1911, Waikeria Prison was one of the largest prisons in New Zealand. The demolition contract was awarded by New Zealand's government to

McMahon Service. The project called for the demolition of a 14,000m² structure with a concrete thickness varying from 150mm to 300mm. Crush & Screen Ltd., Indeco's dealer in New Zealand, supplied the HP 7000 FS hydraulic hammer for the job. With a height of 3.7m, weight of 4t and a chisel tip diameter of 180mm, the HP 7000 FS proved to be the ideal candidate for such a demanding task. Although not the largest model in the Indeco range, the HP 7000 FS became the largest breaker used on a demolition site in New Zealand so far. "I was very impressed with the level of service my company received. The Crush & Screen technicians came to the site to fit the hammer on the excavator, checking that the pressures were set correctly and were available to provide support and advice on the use," says Richard Roberts, managing director of McMahon Services NZ. Buoyed by the positive experience, McMahon Service NZ placed another order for more Indeco products: two IFP fixed pulverisers and an IMP 45 multiprocessor.

www.indeco.it

Fine screening solution from M Lloyd Engineering

M Lloyd Engineering Ltd, a UK based mobile recycling specialist, has added a fine screening, deleading and washing bucket to its rotary screening bucket range. Designed and manufactured in the company's workshop in Herefordshire, the DL 13-20 is suitable for washing decorative and pea gravels, shooting range deleading and similar applications. The main features include a choice of screens ranging in sizes from 4mm to 15mm, a double

conical drum creating fast and aggressive material action, hydraulic cleaning brushes to eliminate clogging and a simple drive and bearing design with no submerged reduction gearbox or slewing ring gear.

www.screeningbucket.co.uk

Holp: a tiltrotator expert from Germany

Based in the Swabian town of Murrhardt, Germany, Holp GmbH is a family owned company established by Franz Holp in 1979, originally as a road building contractor. Holp began designing and manufacturing tiltrotators in 1992 after Franz's son Günter (who currently serves as the company's CEO) joined the family business two years earlier. A pioneer in the tiltrotator industry, Holp has been expanding its flagship 'RotoTop' range for excavators since 2007. Today it includes 11 models that fit base carriers ranging in operating weight from 600kg to 45t. Over the years, the RotoTop design has been updated multiple times. In 2018, the RT.062 model featuring a housing made from high quality aluminium was launched onto the market. Contrary to popular belief, aluminium has a higher tensile strength than steel. Thanks to its flat and lightweight construction, the RotoTop ensures that the power generated by the excavator reaches the attachment without any losses. For special applications such as sewer construction where the rotation option might not be sufficient, Holp has designed a dedicated modular system called 'RotoX'. Featuring the RotoTop as a centrepiece, the system is extremely flexible and allows users to meet the job's requirements to a tee.

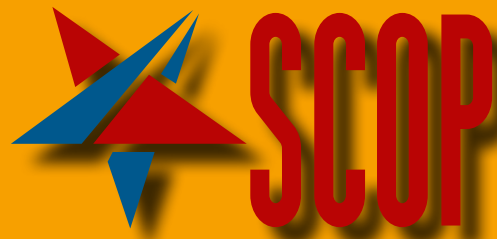
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Kemroc drum cutter does a hell of an excavation job in Northwestern Germany

In 2023, Germany based contractor Wirth Bau GmbH secured a contract to build a 140m x 80m x 8m production facility and a warehouse in the Kalteiche industrial park located in the town of Haiger. Due to the large size of the building, the installation of strip footings was required to sustain high loads from the columns and walls. In total, the project called for the installation of 132 individual and 50 strip footings. With a staff of 25, Wirth focuses mainly on road and sewer construction, but it also executes demolition, earthmoving, and civil engineering projects. Over the past six years, the German company has been building up its inventory of excavator attachments. In line with this strategy, Wirth invested (following a successful trial period) in a EKT 100 drum cutter from the German manufacturer Kemroc in late 2022. With an operating weight of 1,300kg, the EKT 100 boasts a rated output of 100kW. By mid-June 2023, the drum cutter clocked up some 200h excavating footings, trenching and laying pipes. The production rate was 4m of strip footings per hour and two to four hours for each individual footing. According to Lukas Reh, site manager and estimator at Wirth, the excavator's fuel consumption was equal to what would have been expected from a conventional hydraulic hammer, but

the production rate of the drum cutter was much higher. Moreover, the fine grained material produced by the drum cutter was more suitable for use as backfill than the coarse material produced by a breaker.

www.kemroc.de

CMB launches new multiprocessor series

This year, Italy based attachment specialist CMB has launched a new multiprocessor series - the 'FK'. Following the extensive research and development work, the CMB engineers came up with an attachment that boasts a number of improvements on its predecessor. The coupling system has been completely redesigned to become more reliable and less maintenance intensive. The attachment body has been reinforced at the crucial points, making the tool stronger and more durable. Geometry of all the kits that are included in the scope of supply has been improved. The 'FH' pulveriser kit, which is meant for both primary and secondary demolition tasks, is notable for its extremely high production rate. The 'CC' combo kit is the recommended solution when it comes to doing primary demolition work on highly reinforced buildings. Last but not least, the 'CR' shear kit is designed to be the perfect tool to tear down iron structures and to process metal scrap on the ground.

www.cmbattachments.com



Doris Lunardi with family on stage during the dinner at Villa Curti.



VTN CELEBRATES 50 YEARS

On June 24, the Italian attachment manufacturer VTN celebrated their 50th anniversary at their premises in Veneto. Under the slogan “Thinking Out of the Box”, the event included speeches, tours and celebrations honoring the legacy of the family-owned enterprise.

Greeting the guests at VTN’s main plant

VTN Europe S.p.A. is an Italian family-owned manufacturer of a wide range of earthmoving, demolition and recycling attachments. The story of VTN started in a small garage in Noventa Vicentina, roughly 85km southwest of Venice. In the beginning, the founder Nerio Vaccaro and a few collaborators started producing buckets on behalf of FAI, an Italian manufacturer of excavators and backhoes which later became Komatsu Italia. By the late 1970s the first exports to France had begun, and the company was named VTN Benne. In

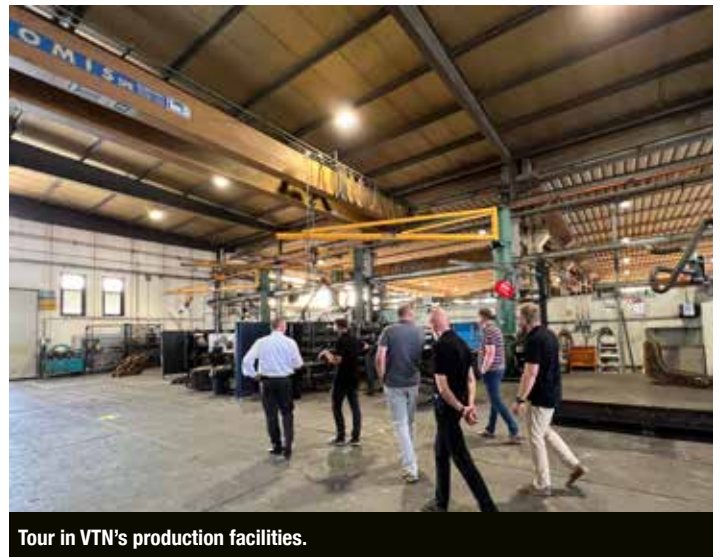
the late 1980s, VTN crossed paths with what would become its core business when a customer asked VTN to build a grapple (at the time there were no specific Italian manufacturers of grapples, according to VTN). Nerio Vaccaro took up the challenge and created the company’s first grapple, soon followed by their first hydraulic crusher. VTN had now set a new direction for itself and consolidated their full commitment to demolition and recycling. In the 1990s, VTN Europe S.p.A. was established and the production of grapples, hydraulic crushers and other hydraulic equipment was transferred

to Pojana Maggiore 6km west of Noventa Vicentina. In 1999, VTN Benne and VTN Europe merged into a single company, and the manufacturing of buckets also moved to Pojana Maggiore. VTN Europe started out in a small warehouse of 800 square meters, but over the years has grown into a headquarters with a total area of 43,000 square meters of which approximately 12,000 square meters are covered.

It was to this very location that VTN invited guests from Italy and abroad to celebrate their 50th anniversary. The main plant had been specially set up



The entrance to the evening celebrations at Villa Curti in Sovizzo.



Tour in VTN's production facilities.



as an auditorium for the occasion, and the attendees included the company owners, numerous employees, collaborators and clients, as well as state officials and Italian and foreign suppliers. Greeted by a rolled out carpet and a large statue of the VTN logo, the attendees were offered appetizers and drinks before the presentations were to be held in the main plant. The spirits were high on this warm summer day, and VTN themselves

described turning 50 as “a source of pride for our territory and its economic fabric, providing prosperity, jobs, and a focus on social welfare and collaboration with institutions”.

The Vaccaro family take the stage

Following the mingle, it was time for the guests to have a seat. The event began with a letter from the president





The VTN owners and state officials up on the stage at the main plant.



Massimo Ballo, sales manager at VTN.



of the Veneto region, Luca Zaia, congratulating VTN on reaching the milestone of 50 years. Following this, it was time for the company owners from the Vaccaro family to say a few words. The first to speak was Doris Lunardi, VTN's president as well as the wife of the late Nerio Vaccaro. She started with thanking the attendees for coming to celebrate VTN: "When in March 1973, my husband Nerio and I decided to embark on this venture, we never imagined reaching such a milestone. With Nerio's determination, we began an adventure that we pursued together, facing numerous challenges due to limited resources, financial difficulties, and economic crises that often put us in difficult situations."

Doris Lunardi then went on to acknowledge the contributions of collaborators through the journey; a

journey which has also included the involvement of their children Matteo, Antonio and Elisa in managing the company. VTN's general manager Giancarlo Favaro was also on stage, sharing the company history with its successes, experiments and developments. Invited on stage were also state officials including regional councilor Marco Zecchinato who presented a recognition from the Veneto region to Doris Lunardi, as well as Mattia Veronese, mayor of Noventa; Paola Fortuna, mayor of Pojana; and Luca Zoppelletto, president of the Eastern-Vicentine group of Vicenza Confindustria Association, who highlighted that "50% of the industries in Vicenza are in the metalworking sector".

Paola Fortuna, also a teacher at ITC Masotto in Noventa, recalled how VTN was among the first

companies to believe in the early experiments of school-work alternation, concluding with a memory of Nerio Vaccaro by Mattia Veronese: "Remember that I started from a garage."

After that, visitors were welcomed to an exclusive tour into the production facilities. The tours were led by VTN staff, who explained the various stages of production, from order arrivals to initial processing, welding, finishing, painting, warehousing and equipment repair. When the tour was ended, transport was offered to the evening celebrations.

Dinner at Villa Curti

The evening celebrations were held at Villa Curti in Sovizzo. The villa dates back to the late 16th century,



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surrounded by a 10,000 square meter garden in front of the villa and a 20,000 square meter park behind it. The attendees were welcomed by stilt walkers and whimsically costumed performers, as well as an all-female string quartet, which entertained with classical repertoire. The guests were served a variety of hors d'oeuvres and beverages, taking in the visceral and almost poetic vibe of this summer night, reminiscent of a classical painting. Subsequently, there was an extravagant dinner with over 200 people, naturally followed by the cutting of

the cake. Doris Lunardi and her family once again took the stage, thanking the attendees as well as showing a video that retraced the company's history. The evening concluded with a performance by professional dancers to the tune of "Nessun dorma" from Turandot, followed by fireworks and a DJ set that kept the guests dancing until the late hours.

"It feels incredible to celebrate 50 years," said Massimo Ballo, sales manager at VTN, attributing part of its success to its will to adapt: "There was a demand to

customize products on demand, and we were able to. We understood the necessity of the market, and learned from the market as well."

But the most important factor in running a company for this long is the kinship between colleagues, said Massimo Ballo: "The reason why it's still working is because it's a family company. It's important to stay together, grow old together and find support. You can't do this alone. The team are all on the same page, the suppliers too – everyone here is a friend."



VTN president Doris Lunardi thanking the guests at the company's 50th anniversary.

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JCB ‘Wastemaster’ models to star at RWM Expo 2023

At RWM Expo 2023, JCB will showcase a series of machines from its Wastemaster range. This, according to JCB, is the most extensive line up of dedicated waste and recycling materials handling equipment in the industry.

Shown on the stand will be the JCB Wastemaster electric ‘Teletruk’ 560-80 ‘Loadall’ telescopic handler, TM420 telescopic wheeled loader and 437 wheeled loading shovel models, alongside the new JCB three phase powerpack and the G60RS rental specification generator. Meanwhile, JCB Wastemaster TM420 and Teletruk models will also be performing in the Expo’s live demonstration area throughout the show.

Its combination of purpose built machines sees the JCB Wastemaster range trusted by industry specialists across municipal and commercial waste, composting, incineration and plastic, paper, glass, wood and scrap metal recycling. Each machine can be fitted with a package of protective features for operation within the arduous waste environment, all designed to help customers improve efficiency and reduce costs.



KOMATSU EUROPE LAUNCHES AN ALL NEW ELECTRIC PC33E-6 MINI EXCAVATOR

Komatsu Europe has announced its latest innovation, the PC33E-6, a new 3t class electric mini excavator equipped with a lithium ion battery. Designed to set new standards in emission free operation, with what the company says are exceptional performance and unrivalled safety features, the new machine has been developed to lead the way to a future of clean and caring practices and emission free operation.

Drawing upon over a century of Komatsu expertise in design, development, and manufacturing, the PC33E-6 shows a commitment to a sustainable future. Komatsu regards the market introduction of this new electric model as a springboard for the development of a market for small electric construction equipment and is part of Komatsu’s global initiative to achieve carbon neutrality by 2050. The PC33E-6 is said to annually save more than its own body mass in CO₂ emissions when compared to conventional diesel powered products, without compromising on performance or safety.

Emanuele Viel, group manager Utility said: “The PC33E-6 features large capacity batteries and a highly efficient powerline, enabling most customers to work non-stop for a full shift before having to recharge.

Thanks to a lightning fast charging system, downtime is significantly reduced, allowing for increased productivity and efficiency on the job site.”

Komatsu stated that it understands the importance of peace of mind for its customers, and the PC33E-6 comes with an exclusive Komatsu introductory ‘E-support’ customer programme. This comprehensive package includes a complimentary three year maintenance plan, full machine warranty, and a five year parts warranty specifically covering the new high value electrical powertrain components, all at zero additional charge.

Komatsu believes that the PC33E-6 not only represents a paradigm shift in zero emissions technology but also boasts Komatsu’s unmistakable DNA and striking aesthetics. By choosing this electric mini excavator, customers can take charge of their emissions while enjoying high levels of performance.



Büscher builds a brand new house out of 75% recycled concrete and demolition waste

The German company Büscher is said to be the first company in the world to have built a complete house out of 75% recycled construction and demolition waste, with the load bearing and non-load-bearing interior wall elements being made of 100% recycled aggregates. Appropriately, the sustainable house was built using sustainable production equipment.

The Büscher site is also equipped with solar panels delivering up to 323kW/h of renewable elec-

tricity which is used to power concrete production as well as the Keestrack R3e ‘Zero’ impact crusher and the K4e Zero screen. Both Keestrack machines are fully electrically powered by renewable energy and do not have a combustion engine onboard. As the electric motors drive most of the mobile crushing and screening equipment and power some necessary hydraulics systems, both Keestrack machines run with zero CO₂ emissions.

When plugged in to the grid, like at the Büscher recycling site, where they use renewable energy using photovoltaic solar panels, the R3 and K4 are producing zero carbon emissions. The energy cost will be approximately 152kWh. Operational and maintenance costs are said to also decrease drastically as there is no engine on board to maintain.

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Wheel loaders AND TRUCKS 2023

This year sees many new wheel loaders rolling out on the market. These include the DL-7 from Develon, a mid-sized series from Liebherr, a new model and two concept machines from Bobcat, plus the ‘Cary-Lift 204i’ from Pettibone.

Liebherr presents new mid-sized wheel loader series

The new generation of Liebherr’s wheel loader series consists of three models: L 526, L 538 and L 546. Their lift arms feature improved working hydraulics, as well as optimised ‘z-bar’ kinematics with electro-hydraulic pilot controls which have larger hydraulic cylinders and powerful working pumps. This combination enables faster cycle times and dynamic work movements, according to Liebherr. The bucket sizes range between 2.2m³ and 3.0m³ in the standard version, and the models are characterised by increased performance compared to the previous generation. The L 526, for example, has around 20% more engine power and over 20% higher breakout forces than its predecessor. The optimised travel drive provides increased traction, and the new engines are designed to offer higher maximum torque at lower nominal

speeds. This leads to an increase in performance with the same low fuel consumption. Equipment options include high lift arms which ensure greater range and efficient



loading processes at all heights. The models also feature a view optimised quick coupler and automatic Likufix quick coupler system. This allows the user to change between mechanical and hydraulic working tools from the cab. The user can activate parallel guidance of the lift arms at the push of a button, and bucket tilt assist helps when working with sticky materials. The revised bucket design makes it possible to tailor individual elements and wear parts of the buckets. The loaders also offer intelligent assistance systems such as ‘active personnel detection’ with ‘brake assistant’. All three wheel loaders meet the standards of emission Stage V or Tier 4 final.

Pettibone Cary-Lift 204i with scrap baler

The Pettibone Cary-Lift 204i rough terrain forklift can be equipped with a scrap baler attachment for handling debris and materials in demolition and recycling applica-

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tions. The machine is purpose built to, in Pettibone's words, deliver numerous safety and performance benefits over other material handling alternatives. The Cary-Lift 204i features an overhead lift arm design, giving the operator full front visibility when lifting or transporting loads. This is said to be in contrast to the lift arms on wheel loaders, which are located directly in front of the vehicle. Additionally, Cary-Lift forks are capable of tilting down 90° for specialised lifting tasks. The 204i is powered by a Cummins QSB6.7 Tier 4 diesel engine with 'DOC' and 'SCR' aftertreatment. The unit includes an engine driven fan, cooling package and an engine block heater as standard equipment. The machine provides a maximum load capacity of 9,000kg and maximum lift height of 487cm. Offering four wheel drive with two wheel, four wheel and crab hydraulic power steering modes and with the wheelbase limited to 365cm, the 204i can achieve a turning radius of 658cm. The Cary-Lift's heavy duty, solid steel frame design allows it to take full loads into sharp turns without sacrificing load capacity or stability, according to Pettibone. Hydraulic frame sway control and side shift capabilities stabilise loads by levelling the lifting frame when driving on uneven ground. The sway cylinder moves 7° both right and left of centre. Dual joysticks provide controls to shift gears and control the hydraulics. A standard feature for the Cary-Lift 204i is 'X-Command', a Pettibone telematics programme that offers real time access to machine data.

Bobcat reveals new model and concept machines at company event

At the Bobcat 'Demo Days' event, Bobcat presented the new L95, the next addition to the Bobcat compact wheel loader line up following on from the original L85. The L95 is powered by a Bobcat engine and offers a top speed of 40km/h and an increased lift capacity. Like the L85, there are multiple Bobcat loader attachments approved for use on the L95, for example a 1m³ general purpose bucket. Other new features include an air ride heated seat; DAB+ radio with phone connectivity; and

improved automatic ride control. Bobcat also displayed two new concept machines, firstly the L40 in the 2t-3t category. The L40 weighs less than 2.5t and is designed as a load and carry, application focused machine. The second machine, L35, is a new small articulated loader (SAL) concept machine, an extension of the SAL portfolio to cover the market segment for high performance machines which are easy to transport on a trailer. The machine weight is below 2.5t and the engine power is 42.5kW. It is designed to be a tool carrier machine with high hydraulic power available for demanding attachments, and it is equipped with a telescopic boom as standard.



New DL-7 wheel loader ranges from Develon

Develon has introduced its new generation DL-7 range. The biggest standard models are the DL420-7, DL480-7, DL550-7 and DL580-7, with redesigned buckets offering maximum bucket capacities from 4.5m³ to 6.4m³. The 'Z-kinematic' lift arm delivers high breakout forces and lifting capacities, especially for heavy materials, according to Develon, and a large dump angle for unloading sticky materials. The loaders have responsive hydraulics and auxiliary hydraulic connections being equipped with a third spool valve with settable flow and detent function. The cab is designed to provide an improved field of vision, and the 'Smart Key' system provides remote door control, door lock and unlock, door release, and more. The new 'Electric Main Control Valve' joystick features 'Automatic Return to Dig', 'Bucket Tilt Kick-Out' and the 'Bucket Crowd Stop Position' and 'Shock Prevention'. The rear view camera feed, weighing system, HVAC controls (heating, ventilation and air conditioning), and more can be found on the touchscreen. The lift arm is cushioned

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With power provided by Develon and Scania engines, these models are said to provide up to 5% greater fuel efficiency than the previous generation machines. The engines meet Stage V emission regulations without the need for exhaust gas recirculation (EGR) through the use of selective catalyst reduction, diesel oxidation catalyst and diesel particulate filter (DPF) after treatment technologies. The soot cleaning cycle on the DPF has been improved to over 6,000h and the operator is informed about the DPF status via a soot level indicator. With no EGR needed and a new selection of power modes available, the new generation 'Situation Awareness Technology' scans activity and adjusts the engine's output according to analyse the boom pressure, pump pressure and output shaft. The 'Smart Guidance System' analyses the driving habits and behaviour of the operator and helps to achieve the most fuel efficient operation. The models are also factory installed with a wireless fleet monitoring system.

by a hydro pneumatic accumulator linked to the lift hydraulic system, acting as a shock absorber.

The models are equipped with automatic five speed powershift transmission, heavy duty HDL axles

and enhanced traction with 'Differential Hydraulic Lock'. Improvements have been made throughout the powertrain to provide operators with faster driving, reaching the 40km/h maximum speed quickly and safely.

In other news, Develon displayed the DL550-7 and the DL420CVT-7 at this year's steinexpo 2023 exhibition. Furthermore, the German building materials producer August Lücking GmbH & Co. KG has chosen to invest in a DL420CVT-7, which according to Develon saves them 9l/h in fuel. One of the main factors behind the low fuel consumption being the variable transmission.

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Electric locomotive on the road through Mexico

For the new Tren Maya railway, the Pesado heavy haulage company was commissioned to transport an electric locomotive weighing approx. 180t over a distance of 2,250 km, from San Luis Potosi to Valladolid, Yucatan.

Whenever reliable transportation and punctual delivery of the heaviest loads are called for in Mexico, the Pesado heavy haulage company is a logical choice. The experts at Pesado, which was formed in 2012 from the construction company Eseasa Construcciones, have long years of experience in transporting heavy and oversized loads, especially under challenging conditions. For a showcase project like Mexico's Tren Maya, it was all the more important to ensure a smooth operation for transporting the EMD GP-38-2 electric locomotive, which is 18m long and 4.7m high and weighs around 180t. Tren Maya is a major infrastructure project involving the construction of a 1,500km railway line linking Mexico's tourism destinations and Maya sites.

For the operation, Pesado chose a Goldhofer 12 axle THP/SL heavy duty combination with a drop deck designed for a payload of up to 300t. The drop deck was necessary because of the locomotive's 4.7m overall height. Thanks to the drop deck, it was possible to reach Valladolid, 2,250km away, on a more or less direct route, and mainly using federal highways. The departure from the loading yard was the first test of the Pesado team's capabilities with the 69m long combination. But with a 55° steering angle and +/-300mm hydraulic axle stroke, no serious problems were caused by the tight spots on the route including roundabouts and junctions.

"It was a challenging journey through tourist areas with narrow roads and tight radii, but the precision steering available with Goldhofer's THP/SL modules makes safe and accurate manoeuvring possible even under such conditions," says Ramiro Muñoz Martínez, specialised transportation engineer from Heavy Transport. The 69m long combination was powered sometimes in the push-pull mode by two 385kW (approx.) Western Star 6900XD 8 x 6 heavy duty tractors. The 335t rig, with an overall width of 3.3m and a total height of 5.06m, reached its destination in Valladolid, Yucatan in 14 days.

DEMOLITION USING AN DMW 220 CUTTER WHEEL

The city of Kassel in the German state of Hesse is gearing up for the future. At the sewage treatment plant, two aging stormwater overflow basins are being replaced by larger ones. To demolish the massive, ring shaped concrete rims of the basins, the contractor Schnittger decided to a Kemroc DMW 220 cutter wheel to complete the work faster.

Municipal company Kasselwasser employs 170 people providing drinking water and wastewater disposal in Kassel since 2012. Wastewater flows through a network of sewers to the sewage treatment plant, where it is clarified and purified and then returned to the natural water system via the Fulda River. Wastewater collected from private households, commercial and industrial sites, and public buildings, as well as rainwater from Kassel's roofs and streets eventually reaches the sewage treatment plant. The initial surge of water from the storm sewers flows into two rainwater overflow basins where solids are deposited.

The basins are used as temporary storage for the coarser solids that have been deposited in them. After having flowed through the overflow basins, the storm water is significantly cleaner and filtered. After flowing through the two stormwater overflow basins, the significantly cleaner and highly diluted dirty water runs into the Fulda. The stormwater is cleaned by precipitation in such a way that it has a similar (or even better) quality than water that normally passes through and is cleaned by the sewage treatment plant. However, because the two original open basins (built in 1978) with a capacity of 4,250m³ were no longer state of the art and heavy rainfall events have been occurring more frequently, Kasselwasser decided to build two larger basins, each with a capacity of 6,000m³.

The project, which costs around €12.5M, stipulates that during the construction period, expected to take two years, a stormwater overflow basin will always be available. For this reason, the plan was to replace one basin with a new one and then to replace the second basin with a further new one. The contract for the demolition of the basins was awarded to the local construction company Schnittger acting as a subcontractor of the Laudemann company. The demolition work was a serious challenge with a pool height of 4m and an outer diameter of 46m, with the concrete walls being up to 2.50m thick.

Alternating between cutting and breaking loose

Heinz Schnittger GmbH started in 1960 as a small haulage company with one truck and a lot of commitment. Over the years, other business sectors have been added to the original freight business. Today, with 60 employees, Schnittger GmbH is considered as one of the most

renowned medium sized civil engineering and freight companies in Northern Hesse. As part of its diversification, demolition contracting became a core business area. This division of Schnittger was responsible for the demolition of the two stormwater overflow basins in the Kassel sewage treatment plant.

Managing director Dennis Schnittger had previous experience with Kemroc milling attachments. Since the use of excavators with hammers was not possible because of the noise and other methods proved to be uneconomical, it was decided to use cutter wheels to break up the concrete rim of the basins. After successful demolition of the first basin using a Kemroc DMW 130 cutter wheel on a 40t excavator in spring 2022, an even more powerful DMW 220 cutter wheel was rented this summer for use on the company's own 40t excavator.

The demolition process involved the following steps: the excavator drives over a heaped ramp into the basin, positions itself in the centre and makes a series of cuts through the concrete rim about 1m apart, first from above, then from the sides almost to the ground, creating individual segments. After that, another 40t excavator goes to work and breaks these segments up using a shearer attachment. The broken concrete is then transported away for processing at a recycling plant.

The demolition work on the rim of the second basin took only four weeks in June and July 2023. Both basins produced 2,000m³ of broken concrete. For the contractor Schnittger, the cutter wheel played a very important role in the demolition work. According to the terms of the contract specified by Kasselwasser, the work had to be carried out with minimal vibration using milling, sawing, cutting or shearing technology. Pre-cutting the concrete rim with the Kemroc cutter wheel into smaller, manageable segments turned out to be critical according to Dennis Schnittger: "Cutting through the rim de-stressed the concrete making the subsequent work with the shearer attachments faster and more effective than would otherwise have been the case. The smooth cutting action of the wheel also resulted in much less disturbing noise and annoying vibration for the excavator operator. From our point of view, we can see that these milling attachments will play an important role in demolition projects in the future."





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HYUNDAI ENTERS

10t wheeled excavator market

HD Hyundai Construction Equipment Europe is expanding its wheeled excavator range with the launch of the HW100A. This is a compact, highly versatile machine, that aims to deliver what Hyundai claims to be a best in class operator environment, a powerful driveline, multiple steering modes and a range of chassis layouts to suit all job sites.

The HW100A features a Hyundai D34 Stage V compliant engine, with ‘DOC’/‘DPF’/‘SCR’ and no ‘EGR’. It has 75kW power output with 460Nm of torque. It is designed to provide a comfortable operator environment complete with touchscreen monitor. It has three working modes and three power modes and is equipped with two wheel, four wheel and crab steering for manoeuvrability.

Mobility and versatility

The HW100A takes Hyundai into the largest sector of the compact wheeled arena, the 8t-11t market. Compact wheeled excavators are major players in markets such as France, Germany, and Switzerland and there is growing interest from other markets across Europe. It is a competitive sector, with plenty of manufacturers keen to appeal to a mixed customer base, of contractors, utility companies and rental businesses. Hyundai believes that customers are looking for a powerful machine, with

compact dimensions and excellent manoeuvrability. Operator comfort is also a key criterion, along with ease of maintenance and low operating costs. The Hyundai HW100A aims to meet or exceed those customer expectations in every way.

With a slim counterweight and a tail swing radius of just 1,600mm, the HW100A has been designed to work

within a single carriageway. The machine is equipped with three steering modes, increasing manoeuvrability in confined site conditions. Two wheel steering uses the front wheels only to turn and is designed for enhanced stability when travelling at speed. Four wheel steering brings the rear wheels into play, turning in the opposite direction to the front wheels and reducing the turning circle from 5,738mm to just 3,697mm. The third option is crab steering, which turns front and rear wheels in the same direction. This can be used to manoeuvre the machine diagonally into a tight space, or to drive away from a wall or excavation area safely.

Power and precision

Power is provided by a Hyundai D34 diesel engine with ‘two-can’ exhaust aftertreatment, that includes a diesel oxidation catalyst (DOC), diesel particulate filter (DPF) and selective catalytic reduction (SCR). The Stage V compliant engine has no requirement for exhaust



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gas recirculation (EGR) contributing to reduced fuel consumption and lower maintenance costs. The engine delivers 75kW, with 460Nm of torque available from 1,400 rpm. It employs a variable pressure turbocharger, delivering optimal air flow to the engine under all load conditions. Like on Hyundai's heavy excavators, operators can choose from three power modes: 'Power', 'Standard' and 'Economy'.

Robust and durable

The rigid chassis with low maintenance heavy duty axles has been designed to last. The transmission is directly connected to the rear axle for optimum ground clearance and the front axle has oscillation with a ram lock function for uneven ground. The HW100A boasts an advanced disc brake system and it is possible to use up to 100% of pump performance through the travel motor to drive or brake the machine by hydraulic flow. The driveline has a two speed mechanical transmission and a two speed hydrostatic travel motor. This allows the operator to define the maximum travel speed for each application, with a maximum of 40km/h in the highest gear.

At the working end, the HW100A comes with a two piece main boom and a long reach dipper arm. Maximum digging reach is 7,820mm, while maximum digging depth is 4,245mm. Lift capacity at a 5m radius ranges from 1.55t over the side, to 2.33t over the front of the machine with the blade down. Customers can choose between a front mounted parallel dozer blade and independent stabilisers at the rear, a front grapple bar with rear mounted dozer blade or front and rear outriggers. All options are interchangeable with the same bolt on mounting system. In each case, the outriggers operate within the machine width.

Despite its compact rear end, the HW100A provides easy access to all service and maintenance items from ground level. There are wide access doors at the rear and to the sides of the machine and maintenance data is also available directly from the monitor in the cabin.

Operator comfort

Hyundai says that a superb operator environment comes as standard on the HW100A, with a completely

adjustable steering column and heated, air suspended operator's seat as standard. The machine boasts low effort proportional joystick control and breaker, plus other function buttons on the servo lever heads. The touchscreen, familiar to operators of Hyundai's larger 'A-Series' machines, provides all operating data and function control. The operator also benefits from a DAB radio with Bluetooth mobile phone connectivity. Hyundai's 'Hi-Mate' telematic monitoring system is available, making it easier for fleet managers to maintain control of service and maintenance work across the fleet.

"The new Hyundai 10t wheeled excavator is the ideal machine for demanding customers looking for a high performing, versatile machine, offering maximum manoeuvrability," says Peter Sebold, Hyundai's product manager for wheeled excavators. "It will bridge the gap between our existing line up of wheeled excavators, ranging from 5t to 21t, turning Hyundai's product offer into one of the most comprehensive in the market."

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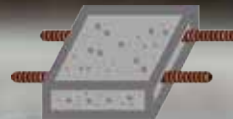


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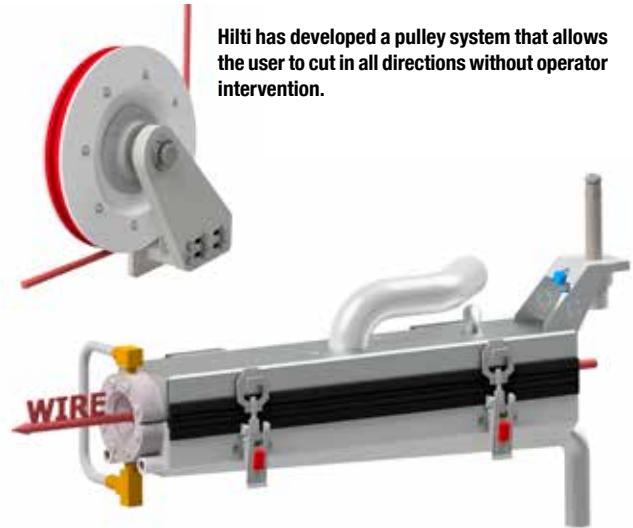
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Hilti has invented a system called “the Spider” that allows the user to cut complex structures in situ where there are confined spaces.



Hilti has developed a pulley system that allows the user to cut in all directions without operator intervention.

Hilti has three patented solutions for nuclear decommissioning. One of them is a hybrid cooling system using 8-10l/h of water (most of it evaporating) using a recycling system filtering the water for cutting chips. The system allows the user to calculate with the same performance as wet cutting but with the advantages of “dry” cutting, according to Hilti.

Hilti’s bespoke diamond wire saws **FOR COMPLEX DECOMMISSIONING**

Hilti offers bespoke diamond wire saws developed for complex decommissioning environments. As of yet, Hilti has more than 50 bespoke solutions and a presence in 74 nuclear power plants.

Daily challenges in decommissioning

Companies in the decommissioning field face critical challenges daily, as they must cut components with an ultra-high density that simply cannot be cut by most existing technologies; ensure the health and safety as well as the productivity of operators in critically dangerous environments (e.g. operators working in radioactive zones and manipulating machinery with safety equipment and three pairs of gloves); and reduce the volume of nuclear waste which requires long-term disposal/storage.

These problems are not addressed with standard or modified-standard wire machines nor with alternative cutting methods available on the market, e.g. torch, plasma, water jet, band saw or laser cutting. Not only do these alternative methods simply fail in cutting large, complex materials; even when they can cut, they often require significant manual labor in the hot zones and result in significant additional contaminated waste, according to Hilti.

Understanding customer needs

Close collaboration with customers has enabled Hilti to understand their needs. Hilti has discussed and discov-

ered the needs and constraints in a series of specific projects. The Hilti solutions evolved from modified-standard wire saws to fully bespoke wire saws, which fully meet market needs, according to Hilti. Hilti goes the extra mile for their customers by creating fast, reliable and high-end solutions for their challenges, according to Hilti. Taking the complexity out of wire sawing, Hilti aims at giving confidence to E&I companies to choose wire sawing as their main cutting solution.

Hilti’s goal was to increase productivity and safety while reducing waste and complexity and the associated risk of high-consequence mistakes. According to Hilti, they accomplish this with their bespoke wire saws while also delivering the following benefits to customers:

- Low risk of operator error: According to Hilti, now even inexperienced workers can safely cut complex structures as the system is equipped with Hilti CutAssist technology.
- Low risk to health of operator, or others: The machines can be operated remotely and cutting can be dry, without liquids or aerosols, so no toxic fumes or secondary waste is created.
- Fast set-up: No time-consuming set-up of the ma-

chinery because the machine is built with a fixed set-up optimal for the job.

- Productivity: An increased cutting speed up to 70% by increasing the wire speed and tension with robust components and with the help of the unique double-layer vacuum brazed wire.
- Efficiency: An increased wire life up to 70% by increasing the cutting speed and lowering the vibrations and wire contact time.
- Ability to self-perform, as customers can now perform complex decommissioning applications on their own, giving them more flexibility and thus more productivity, according to Hilti.

In summary, with Hilti’s innovative solutions, companies in the decommissioning industry can successfully accomplish their applications much faster, with much higher safety and much lower waste than they ever could before, increasing their productivity and profitability and decreasing risk to their workers and to our environment, according to Hilti. The Hilti decommissioning solutions are recognized by an increasing number of influential companies in the nuclear industry thanks to the huge amount of projects that were successfully accomplished, according to Hilti.



TYROLIT AND MOLLO NOLEGGIO STRENGTHEN RELATIONSHIP

Tyrolit recently announced a major agreement for the sale of more than 200 machines with Italy's leading rental company Mollo Noleggio. All machines are already available for rent at Mollo rental centres throughout Italy.

Since 1980, Tyrolit and Mollo Noleggio have had a successful business relationship, which has now been strengthened with the agreement on the sale of over 200 construction machines. Alberto Dus, sales director of the Italian Tyrolit construction division, is more than

satisfied with the deal: "This is one of the most significant agreements in Tyrolit Italy's recent history, and it perfectly underscores our commitment to work hand in hand with major rental companies by providing the machines and equipment they need to be successful in the marketplace."

The agreement, however, does not only include the sale of machines, but also technical and sales training for Mollo Noleggio's staff. Staff will be able to further enhance their skills needed to support the end user in choosing and using the most suitable equipment. Apart from product quality, it is felt that this, after sales support, is what customers like Mollo appreciate the most. "Tyrolit is one of our main and long standing suppliers thanks to their experience and expertise. They have always offered us solutions that fully meet our customers' needs," says Marco Messa, purchasing and sales manager at Mollo.

The deal with Mollo Noleggio comprises over 200 units of professional equipment, including, handheld saws with the associated diamond blades. All machines are equipped with an electric motor, which are ideal for performing small demolition works in and outdoors. Stable core drilling systems with high drilling capacity, which are suitable for wet core drilling operations on surfaces such as concrete, asphalt, natural materials and brick walls are included as are handheld core drilling motors with built in dust extraction systems for dry core drilling of surfaces, e.g. on brick, concrete, stone, reinforced concrete or clinker.

In addition, fully electric floor grinding machines suited for removing old surface coatings from concrete floors (resins, adhesive residues, paints, glazes) are included as well as electric floor milling machines. The latter are ideal for all concrete upgrading and the removal of coatings and adhesives, for roughening and stripping soils or pavements, for milling concrete or asphalt screeds

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TYROLIT ANNOUNCES RETURN OF 'CUTTING PRO COMPETITION'

Some of the leading concrete drilling and sawing professionals are currently competing in the local qualifying rounds for Tyrolit's 2024 Cutting Pro Competition.

The Tyrolit Cutting Pro Competition (CPC) is an international competition that calls for speed, know-how and ambition in the areas of wall sawing, core drilling and hand sawing. The aim is to crown the fastest in these disciplines. The event was launched in 2009 for Tyrolit customers and brings a competitive edge to the world of concrete drilling and cutting. After a pandemic related break, the competition finally started its fifth round in spring 2023 with the national championships.

The winner as well as the runner up of the respective country will qualify at the local preliminary round for participation in the final, which will take place in February 2024. For the very first time, the competition will not only be held on a European level, but as a world



championship. In addition to participants from all over Europe, professionals from the Middle East, India and other countries will also take part in final as 'wildcards'.

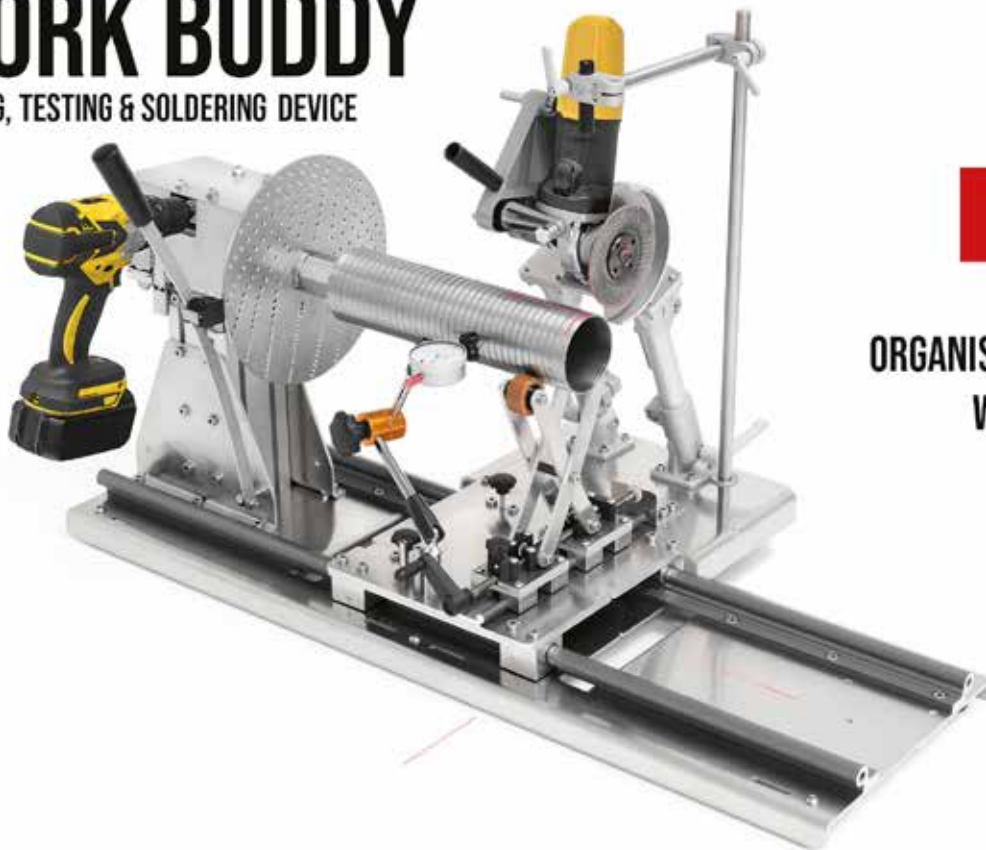
In the qualifying rounds of the Tyrolit Cutting Pro Competition 2023/24, more than 100 highly motivated participants from Great Britain, Scandinavia, Swit-

zerland and Eastern Europe, as well as Germany and Austria, have already fought for a place in the final. By mid-October, it will also be decided who will represent France, Italy and other entrants at the CPC final in 2024. All the latest news and results can be found at www.tyrolit.com/cpc.

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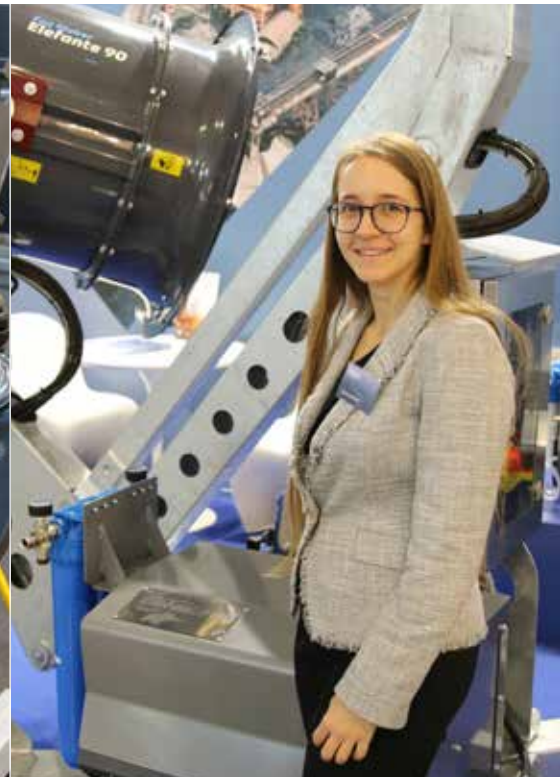
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ECOMONDO



the green technology expo

From 7-10 November in Rimini, Italy, it is again time for Ecomondo to take place. The show covers a wide variety of development and news in terms of green technology. For PDi, the focus will be on manufacturers of attachments and machines for demolition, recycling and scrap handling.

PDi Magazine will attend the Italian show for at least the 10th time in a row. Ecomondo provides a place for industry stakeholders, policy makers, opinion leaders, manufacturers and local authorities to meet and talk. It also brings together and systemises the key elements that define the development strategies of the European Union's environmental policy. Ecomondo is the reference international event in Europe and the Mediterranean for technologies, services and industrial solutions involving the green and circular economy sectors. It is a hub for research and innovation, hosting the leading companies in environmental services, solutions and technologies, covering water management, waste disposal, textiles, bioenergy, soil management and protection, transport, agriculture and sustainable cities.

This year the show will be held, as usual, in Rimini from 7 to 10 November 2023. The organisers of the show will also facilitate and promote digital and in person meetings throughout the year, providing opportunities to address issues related to the implementation of the flagship projects in the National Recovery and

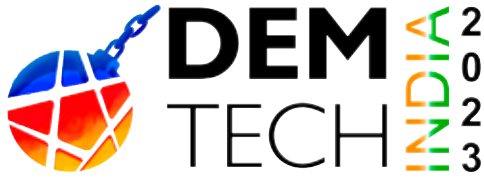
Resilience Plan (PNRR) and the adoption of the circular economy in the main industrial supply chains as well as the restoration and ecological regeneration of soils and the hydrosphere, coastlines, and cities.



As with every expo, this year Ecomondo offers an extensive programme of conferences, seminars and events through the involvement of the Technical Scientific Committee chaired by Professor Fabio Fava and a pool of 80 leading scientists, engineers, managers and representatives from national institutions. These cover such organisations as ministries, including the Ministry for the Environment and Energy Security; the regions including Emilia-Romagna, sector associations and federations (Utilitalia, Assambiente, Confindustria, Confindustria Cisambiente, Federalimentare, Federchimica, Confagricoltura), consortia (CONAI, CIB, CIC), agencies and institutes (ISPRA, ENEA, Istituto Superiore di Sanità), to name but a few. European and international institutions (the European Commission, OECD, EEA, FAO, etc.) will also be represented.

Some of the exhibitors related to the industry sectors that PDi covers include Airclean, Baioni, Brokk, Bell, Darda, Ecostar, Guidetti, Hammel, Idrobase, Indeco, Mantovanibenne, Rozzi, Sima, Simex, VTN Europe, Zato to name but a few.

www.ecomondo.com



TIME FOR

Demtech 2023 in India

Very soon the second edition of India's own demolition and recycling conference, Demtech, will open its doors. It all takes place on the 28-29 September at White Petals in Bengaluru. The organiser is once again the Indian Demolition Association (IDA). Here we cover what will be happening.

Time flies and it is soon time for the second edition of the Demtech Indian Conference and Exhibition. Demtech is organised by the Indian Demolition Association (IDA) with support from its media partner Riverbends Publishing, LLC and its two industry magazines, PDi and PDa. PDi is an international magazine that covers the demolition, recycling, remediation and concrete cutting industries, whilst PDa does the same but with a focus on the markets in North and South America.

The sponsors and exhibitors

The last time Demtech was organised was in November 2019 in Mumbai. After that the Covid pandemic hit and paralyzed the global market for a couple of years. IDA is therefore very happy to now once again be able to organise Demtech. This time the event will be held on 28-29 September 2023 in Bengaluru in the southern Indian province of Karnataka. The event will be held at the White Petals conference facility, right in the centre of Bengaluru.

The interest in the event has been above expectations with over 30 Indian and foreign manufacturers set to exhibit at the tradeshow. The headline sponsor for this year's event is once again Volvo Construction Equipment. Affiliate sponsors are Epiroc, Jet Demolition and Edifice Engineering as well as Hilti. Gold sponsors are MBI, Demarec and Lissmac. Silver sponsors are CutMaestro, Indeco, Trevi Benne, Genesis Engineering, SDT Sanwa, Terex, SGC (Shree Ganesh Construction) and Rotar.

The exhibiting companies are Volvo Construction Equipment, Epiroc, Jet Demolition and Edifice Engineering, Hilti, MBI, Demarec, Lissmac, CutMaestro, Indeco, Trevi Benne, Genesis Engineering, SDT Sanwa, Terex, SGC (Shree Ganesh Construction), Rotar, MDT (Madras Diamond Tools), Professional Drilling, MB Crusher, Dozco, DeeTec, NT, Dynaset, Husqvarna, LaBounty, Metso Outotec, Sennebogen, Keestrack, Dr. Fritsch and Hi Tech Diamond Tools. As mentioned, the media partner is Riverbends Publishing with the magazines PDi and PDa and NBM&CW (Infra Development & Construction equipment Magazine). The

organiser is IDA, Indian Demolition Association, and the practical implementation of the event takes place with the help of the event partner Live Wire, who did a fantastic job in 2019. In addition to the indoor tradeshow, there will also be a demonstration area outside. There is also the possibility of some manufacturers offering equipment testing.

The speakers at the conference

During the two conference days, a busy programme of lectures will also take place. You will find the detailed conference programme on the following page. Guests of honour are K. Subramanian and Anjun Parwez. The keynote speakers will be Mohan Ramanathan and Kate Bester who will speak on the topic: 'A perspective on the present and future status of demolition and recycling in India and worldwide'. The conference host for the two days is Sharon Mascarenhas who is a well-known TV personality and news anchor in India. In the evening of the first day of the conference, a cocktail party and gala dinner will be organised in conjunction with the conference facilities. The evening ends with a live band performance.

The interest in IDA's second edition of Demtech is high and it is expected to exceed the previous edition. PDi and PDa Magazines will of course be there to cover the event. A large summary article will be published in PDi number 5-2023 and PDa number 4-2023.

See you at Demtech 2023 in Bengaluru.

www.demtech.in



Mohan Ramanathan, president of the Indian Demolition Association, IDA and project leader of Demtech 2023.

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THE DEMTECH 2023 AGENDA

in Bengaluru, India

Day 1 – 28th Sep 2023

10:10 AM

Lighting of Lamp, Chief Guests

K. Subramanian and Anjum Parwez, Mohan Ramanathan, Jan Hermansson, Dimitrov Krishnan

10:20 AM

Welcome Addresses

Mohan Ramanathan, Founder Chairman IDA and Jan Hermansson, PDi Magazine

10:30 AM

Introduction of Chief Guest and Guest of Honor

EMCEE - Sharon Mascarenhas

10:35 AM

Address by Chief Guest

K. Subramanian

10:45 AM

Address by Guest of Honour

Anjum Parwez

10:55 AM

Keynote Note Lecture # 1 – A perspective on the present and future status of demolition and recycling in India and Worldwide

Mohan Ramanathan and Kate Bester

11:25 AM

Sponsor Presentation # 1

Headline sponsor Volvo CE

11:45 AM

Tea break and 15 Min-Exhibition inauguration

(open to delegates), ribbon cutting – Expo Dimitrov Krishnan

12:15 PM

Keynote Lecture #2 - C&D Waste Management for businesses, community and environment

Anurag Sinha (EIL)

12:35 PM

Sponsor presentation #2

Affiliate Sponsor Epiroc

12:50 PM

Momentos and certificates distribution to sponsors and exhibitors

IDA Committee Members

1:10 PM

Lunch - Platinum and Gold Sponsors videos to run

2:10 PM

Projects case study #1

Edifice and Jet Demolition

2:25 PM

Keynote Lecture #3 - Engineering challenges behind demolition of high rise structures - case studies

Dr. Anil Joseph (Geo Structures, Kochi)

2:45 PM

Panel Discussion #1 - C&D Waste – Recycling Why should demolition companies de-carbonize?

Moderator - Kate Bester, Panelist - Amitabh Kishore (EIL), Representative (Epiroc), IDA Member, Representative (Terex), Representative (Demarec), Representative (Metso)

3:15 PM

IDA Committee Members Introduction

Seven IDA committee members

3:40 PM

Tea break - Platinum and Gold Sponser videos to run

4:00 PM

Sponsor Presentation#3

Affiliate Sponsor Edifice Engineering

4:15 PM

Keynote Lecture #4 - Latest BIS codes on demolition and recycling

Arun Kumar (BIS)

4:35 PM

Project Case Study# 2 - PK Unique Projects Pvt Ltd

Kannan Paulthurai

4:50 PM

Sponsor Presentation #4 - Affiliate Sponsor Hilti

Representative from Hilti

5:05 PM

Closing notes for the day - Summary of day 1

IDA Committee Member

6:45 PM

Welcome to Gala Dinner

EMCEE - Sharon Mascarenhas

6:50 PM

Entertainment - Live Band

8:20 PM

Cocktails & Dinner

Dress Code - Smart Casuals

Day 2 - 29th Sep 2023

10:00 AM

Welcoming by Emcee and recap 5 min pictures and video

10:05 AM

Project Case Study #3 - Matte Associates

Shriram Matte

10:20 AM

Special Presentation #1 - Dr. Fritsch

Arthur Becker

10:30 AM

Tea Break - Gold and Platinum sponsor videos

10:50 AM

Keynote Lecture #5 - Offshore Dismantling and Disposal Offshore Structures – Decommission, Demolition and Restrotration

Ramalingam Iyer

11:10 AM

Sponsor Presentation #5 – Volvo CE

Representative from Volvo CE

11:30 AM

Panel Discussion #2 - Future of Demolition Industry in India

Moderator - Jan Hermansson (PDi Magazine), Panelist – Representative from Volvo, IDA Members, Jacopo Mantovani, (MBI), Alexander Strum (Sennebogen), Johnson Periera (LISSMAC)

12:00 PM

Momentos and Certificates distribution to

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THE DEMTECH 2023 AGENDA

in Bengaluru, India

12:20 PM

Recap of the event and delegate feedback
IDA

12:40 PM

Vote of Thanks By IDA
IDA

12:45 PM

Lunch

1:45 PM

Exhibition open and Networking

3:15 PM

Open Tea in Outdoor Area

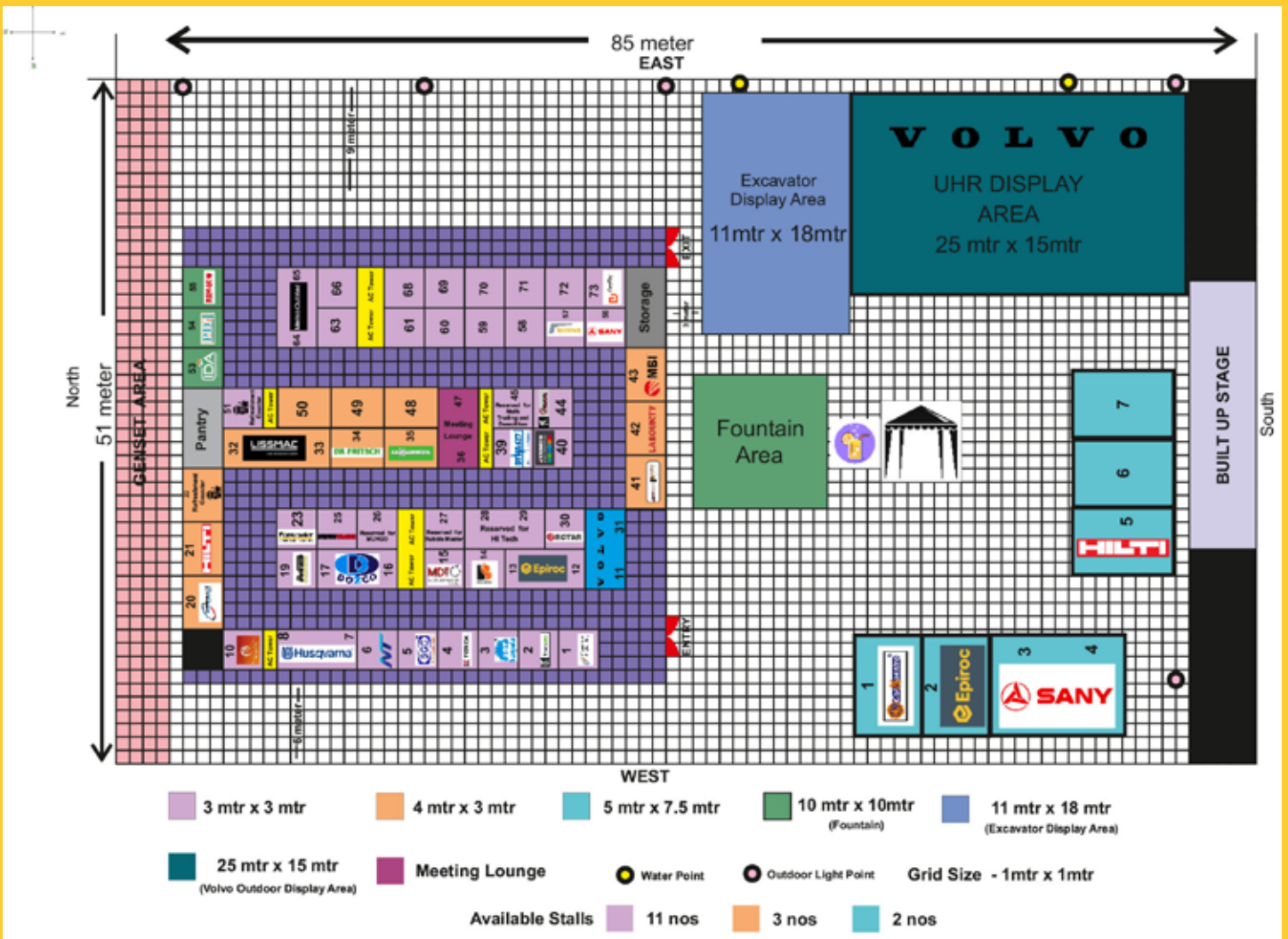
4:15 PM

Exhibition open and Networking

5:55 PM

Closure of conference and exhibition

The floor plan and demo area at Demtech in Bengaluru 2023





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steinexpo BREAKS



This year's edition of the German fair steinexpo was a very successful event with 305 exhibiting companies and 61,700 visitors during the four show days. The number of visitors was an increase of 15% since 2017 when the fair was last organised. The number of exhibitors also increased from 293 at the fair in 2017. The fair was

held, as usual, in the MHI quarry in Nieder-Offeiden, a few kilometres from the small town of Marburg north of Frankfurt.

Most of the big names in terms of equipment for crushing and recycling were present with steinexpo being primarily aimed at contracting companies that work in mining, quarrying and recycling. For PDi, of

course, it was mainly equipment for the recycling and handling of demolition materials that was of interest. Within this sector there was a great deal to look at although it was machinery for crushing, screening and handling rock that dominated.

Most of the big names such as Komatsu, Wirtgen/Kleemann, Caterpillar, Volvo, Metso, Sandvik,

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Liebherr, Develon and more were found among the exhibitors. Of course, the really heavy duty crushers and screens were in place and the machines could be seen at work in the demonstration area. Here there also mobile recycling crushers in all sizes from Rubble Master, Rubble Crusher, Red Rhino and more.

There was also a lot of lighter equipment such as crusher and screening buckets from ALLU, Simex, MTS,

Terra-Star, Rockwheel, Predator, Cobra and more. Some manufacturers of demolition and recycling equipment were also represented at the fair, such as Epiroc, Rammer, Mantovanibenne, VTN, Hydraram, ITR, FRD, Beilite.

All in all, steinexpo 2023 was a successful fair with lots of sun. The next and 12th edition of steinexpo will be held from the 2-5 September 2026.

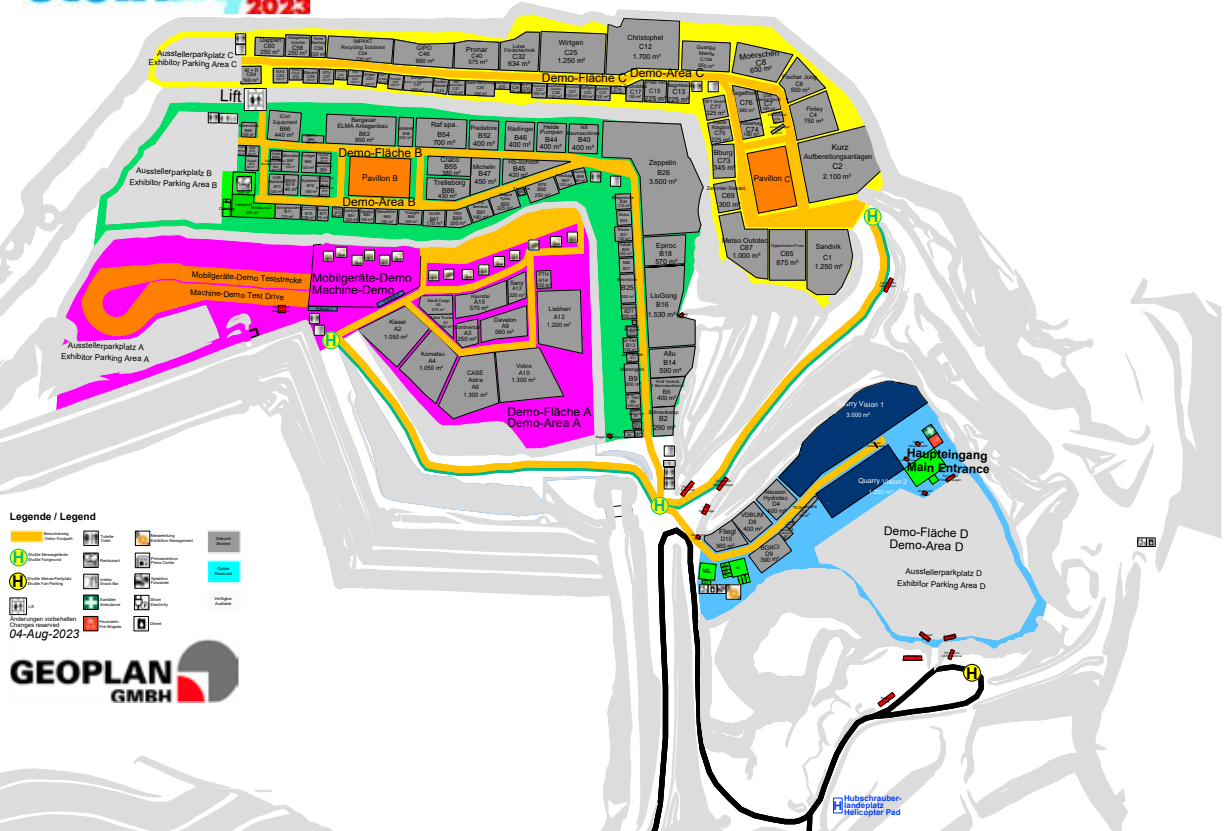
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EPIROC 'SOLID BODY' BREAKERS PROVIDES 30 YEARS OF RELIABILITY

The Solid Body concept for hydraulic breakers turns 30, with the popular and trusted range of tools in Epiroc's broad portfolio of excavator attachments, remaining a major reason why Epiroc business partners and customers have confidence in Epiroc.

The Solid Body (SB) concept was introduced in 1993, and it utilises a patented internal component design that integrates the percussion mechanism and the guide system into a single piece. This eliminates the weakest components of conventional breakers and gives SB breakers durability. SB hydraulic breakers are today a popular range of tools in Epiroc's broad portfolio of hydraulic attachments. The company states that the range provides outstanding durability and reliability, easier handling and other benefits as well as providing lower fuel consumption which aids reducing operational cost and at the same time improved CO₂ emissions. Due to maintenance free high pressure accumulators, SB breakers offer blow frequencies from 550 up to 2,300b/min with fast penetration into the material resulting in high productivity.

Slimmer, lighter, fewer parts

Epiroc states that the SB concept is slimmer compared to conventional hydraulic breakers of the same size, giving it a more compact design for better visibility and handling, enabling the use of a smaller excavator, and helping reduce carrier fuel consumption. Less parts also means lesser maintenance requirements with enhanced reliability. They are also a reliable choice for demolishing light concrete structures and asphalt pavements, both outdoors and indoors, being suitable for earthworks, post driving, scaling in underground operations, cleaning ladles and converters in foundries, and other demanding tasks.

A complete range

SB breakers are manufactured in Epiroc's factory in Kalmar, Sweden. Designed for carriers in weight classes up to 24t, they are available in nine models with service weights ranging from 55kg to 1,060kg. The range includes models to match any micro or mini excavator, backhoe, skid steer loader or

demolition robot. Their durability makes them a popular choice for rental companies who can, with confidence, rent them to less experienced end users. SB breakers also cater for any need for dust suppression on jobsites. The SB 152-SB 1102 come with integrated water nozzles as an option. With these nozzles, located in the front of the hydraulic breaker, dust is suppressed where it is created.

Other features

Hydraulic breakers in the SB series are easy to set up and service; no special tools or adaptor fittings are required. Changing the working tools is simple, thanks to the patented tool locking system, and the floating lower bushing can be replaced by the operator onsite with standard hand tools. 'Integrated Epiroc Energy Recovery' technology is said to increase productivity and reduce fuel consumption. Overload protection is provided by an integrated pressure relief valve. Also available are 'AutoStart', an air inlet for underwater applications, and 'ContiLube II micro' or 'ContiLube II automatic' lubrication systems are optional on certain models.

In order to aid connectivity – some locations become inaccessible due to a number of reasons, be it weather or distance – Epiroc provides what it says is a new way to monitor. 'Hydraulic Attachment Tools Connectivity' or 'Hatcon', provides expert level fleet management by monitoring operating hours, location and service intervals of tools. The service is available across platforms such as computer, tablet or phone, giving Epiroc's customers round the clock data access, information about the next service, improving utilisation across the fleet, optimising transport and increasing uptime with pre-planned service stops. With connected tools, Epiroc believes that efficiency, and ultimately profitability, will increase. The GPS function also contributes as an anti-theft system.

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Small in stature, big on performance

Despite their small size, mini excavators can play an important role on any jobsite. With this in mind, Kobelco continually reviews and improves its mini excavator range in order to meet the increasing demands of operators.

The new Kobelco SK34SR-7 and SK39SR-7 replace the previous SK30SR-6E and SK35SR-6E and are designed to provide increased engine performance, improved operability, an updated cabin interior and easier maintenance. To increase efficiency, the machines' optional floating dozer blade enables clearing of the ground surface without having to make adjustments to accommodate changes in terrain. The durable angle dozer (optional) provides 250° of left/right movement for clearing, grading and back-filling. The machines' quick hitch piping has also been extended by 200mm. Operator comfort and safety was key to the development of the SK34SR-7 and SK39SR-7, with the new machines following Kobelco's 'Performance x Design' concept, which includes a newly designed cabin interior, to make long operating hours more comfortable.

Commenting on the introduction of the new Kobelco SK34SR-7 and SK39SR-7, Kobelco product manager, Wesley Elverding, said: "We're always listening to our customers to understand what they need from their mini excavators and how they perform on jobsites. As well as offering upgraded performance, increased bucket digging force and improved lifting capabilities, the introduction of the new SK34SR-7 and SK39SR-7 demonstrates how we are developing our mini excavator technology and machine concepts to better suit the needs of our operators as well as more demanding jobsite conditions."

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AQUAJET EXPANDS ITS ACCESSORIES FOR 'AQUA CUTTER' 750V

Aquajet, a specialist in the design and manufacture of innovative hydrodemolition technology, has introduced an extension kit, rotolance and hybrid kit optimised for its Aqua Cutter 750V robot with patented infinity oscillation. The extension kit increases the 750V's reach for applications, such as bridges, berths, piers and wastewater plants, while the rotolance is designed to excel at surface preparation on steel bridges, roadways, pipes, tunnels and more. The hybrid kit 3.0 converts the diesel powered 750V to electric when diesel can't be used due to noise or emission requirements.

"After a successful 750V launch, we wanted to fine tune accessories that give our customers even more ways to use the robot," said Roger Simonsson, Aquajet CEO. "There is a lot of concrete around the world that needs repair. The 750V provides a way to efficiently remove it, and these accessories increase where the robot can go and the types of removal that are achievable."

The extension kit can be configured several ways with an elbow and beams, allowing the operator to perform hydrodemolition in awkward, hard to reach areas. During a bridge repair, for example, the kit allows the 750V to work from the bridge deck and reach over the barrier without having to remove it, saving contractors time and hassle. To reach the underside of the bridge deck, the beams extend to the side over the railing and downward at a 90° angle. Then, the elbow reaches underneath the bridge at a 90° angle and points the cutting head upward underneath the deck. The accessory expands the 750V's reach by 1m to the sides and up to 2m vertically. In addition to the versatility and efficiency gains, the kit improves operator safety by eliminating labour intensive alternatives,

such as using hand tools to remove concrete from difficult to reach spots.

The rotolance attachment is designed to be a powerful surface preparation tool. Contractors can utilise it to remove concrete, rubber coatings, paint, rust, plastic and other materials. The accessory is designed to bring this versatility to several different applications, including steel bridge coating removal, roadway surface preparation, deck epoxy removal, pipe coating removal and more. While the 750V is often used for deeper sections of concrete, the rotolance serves as a light removal alternative. This method avoids sand blasting, eliminating dust pollution.

The rotolance for the 750V comes in two versions, the 1000 and 2500, each with a working diameter of 350mm. The 1000 achieves a maximum water pressure of 1,000bar that leaves a good bonding surface when cleaning or removing hard paint, rust and rubber coatings. The 2500's maximum water pressure is 2,500 bar that quickly and precisely removes a shallow layer of concrete.

The hybrid kit 3.0 easily attaches to the 750V and uses an intelligent system to automatically disengage the onboard diesel engine and convert to electric power. This brings the 750V's capabilities to applications where diesel engines may not be allowed, such as parking garages or inside buildings. The kit can be installed without any tools as operators simply snap it onto the back of the robot, connect the hoses and it's ready to go. It also features a built in charger that powers the battery while the robot is working. Once connected, the 750V can run on either diesel or electric, making it a versatile, environmentally friendly machine.

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GERMAN DEMOLITION COMPANY MAKES FAST WORK OF MOTORWAY JUNCTION

Using ten Volvo crawler excavators each fitted with an Epiroc hydraulic breaker, local demolition company Mexner dismantled the Mainz South motorway interchange overnight during the weekend of 7 – 10 July 2023. Critical to completing the demolition in the shortest possible time was the power of the Epiroc hydraulic attachments, manufactured in the Epiroc factory in Essen since 1963.

The high volume of traffic using the motorway interchange every day – approximately 180,000 vehicles – posed a challenge to the construction service providers to complete the demolition of the freeway as quickly as possible, limited to overnight working, without causing damage to other carriageways. Thanks to the right equipment, the job was completed within a very short time. The contract to demolish the north bridge of the well-used motorway interchange, which was built 60 years ago, was awarded to Mexner GmbH, a demolition company based in Bischofsheim, by Autobahn GmbH. Mexner had previously demolished the south bridge of the Mainz South interchange in 2017, which has subsequently been rebuilt. As a result of this work, the company knew that the north bridge would also contain an extremely large amount of prestressed steel, so would require a large number of machines to handle this.

After the demolition company had filled a drop bed to protect the roadways under the bridge, ten tracked excavators equipped with hydraulic hammers set to work on Friday evening and successfully completed the demolition of the bridge within the tightly scheduled time window during their nighttime operation. Nothing now stands in the way of the new bridge's construction. For the demolition of the North Bridge, the demolition

company relied exclusively on hydraulic breakers from Epiroc, whose regional distributor is Bischoff GmbH in Frankfurt am Main. From the HB 3100 to the HB 5800, all hammer sizes were in use. Managing director Thomas Mexner comments: "We have deconstructed many highway bridges in the past. When faced with such high concrete grades with strong reinforcement, the hydraulic breakers from Epiroc are ideally suited. For us, they are the most powerful breakers in the industry."

Top of the range ruggedness and efficiency

Epiroc's heavyweight hydraulic breakers, the 'HB' series, are specifically designed and engineered for primary demolition of massive reinforced concrete structures such as highways, primary rock excavation, and secondary crushing on construction sites and in quarries. The patented 'Intelligent Protection System' (IPS) facilitates positioning and provides maximum idle protection by automatically adjusting the start-up and shut down behaviour during operation. This allows maximum efficiency to be retrieved with minimum risk, even under difficult conditions. Overall performance is optimised by the integrated 'AutoControl' system by automatically adjusting and matching impact energy and impact rate during operation.



Warehouse demolition in only two days

As in many cities, there is a permanent need for new parking spaces in Straubing's city centre. To provide parking, a warehouse silo that was no longer in use has now been dismantled piece by piece by company Plannerer using a Sennebogen 830E demolition excavator. The machine, which was rented by Sennebogen, was equipped with a fully hydraulic quick change system and demolition tongs to carry out controlled dismantling. The new car park will be used by the surrounding companies and railway station patrons.

Rapid dismantling

The Sennebogen 830 E demolition excavator has proved to be a reliable partner that can carry out building demolition quickly and efficiently, undertaking the Straubing demolition work in just two days. Because blasting or a wrecking ball cannot be used everywhere without problems, the Sennebogen demolition excavators provided benefits especially as the demanding demolition work was undertaken in confined spaces. In addition, the targeted deconstruction contributed to sustainability by recycling demolition materials such as bricks, metal and wood through innovative technology.

Fast work and sensitivity

A powerful machine is of great importance in the demolition sector. After all, the work needs to be done quickly and efficiently and space should be created quickly for the further use of the site. Another issue is safety at work, with the Sennebogen 830 E assisting this as it is equipped with a telescopic crawler track that offers optimal stability, beneficial especially on a backfilled demolition plateau. The small transport width also makes it easy to move the machine to the next job site.

The operators present at the demolition site in Straubing were impressed by 830 E's sensitivity and how precisely and quickly it can be operated. The cabin is designed to offer plenty of room for relaxed working, and is equipped with an elevating 'Maxcab', which can also be tilted up to 30°, providing the operator with a clear view of the working area. These features meant that after two days in use in Straubing's city centre, the machine could be moved on to its next assignment.

Plannerer GmbH has been involved in demolition for 30 years. The company is located in the northern Upper Palatinate but operates throughout Germany.

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NATIONAL PILE CROPPERS AIDS CONSTRUCTION OF WORLD'S LARGEST MONOPILE FACTORY

An Anglo-German joint venture comprising of Keller and Bauer is mid-way through the piling contract for the construction of a £450million offshore wind monopile manufacturing facility in Tees-side, England.



Bauer Keller Joint Venture (BKJV) was appointed by SeAH Wind to install approximately 1,500 bored piles and 5,500 continuous flight auger (CFA) piles. National Pile Croppers has been contracted by the principal contractor, K2 Construction Management, and sub-contractor, Rainton Construction, to provide the pile cropping equipment and expertise as well as round-the-clock customer support.

The world's largest monopile factory is being built on a 90 acre site at Teesworks, adjacent to the new £109m South Bank Quay. The giant facility – over 800m in length and 40m tall – presents a range of design and construction challenges including its scale, low energy design and a challenging completion deadline. When operational, the factory will provide 105,000m² of high quality factory space for the production of up to 150 monopiles per year. Maximum monopile sizes produced at the site will measure 120m in length, 15.5m in diameter and weigh 3,000tons. It will be the UK's first XXXL monopile manufacturing facility producing monopiles that form the foundations of offshore wind turbines and is set to create 2,250 jobs in the local supply chain during construction.

Thousands of concrete piles

A factory of the size being constructed is going to need a great many concrete piles, requiring, at present, 1,500 bored piles and 5,500 continuous flight auger (CFA) piles. Heading the day to day work on behalf of BKJV is the world leading construction consultancy, K2 Construction Management (K2CM), which has appointed as the contractor for the piling (and cropping) local firm, Rainton Construction. The latter has significant experience in developing bespoke solutions for industrial, manufacturing, process and distribution sector clients,

having worked in factories, power plants, warehouses and other highly specialised facilities.

The bored piles range from 1,050mm to 1,180mm in diameter and are being sunk to a depth of 35m below ground level. The CFA piles are a mix of 600mm, 750mm and 900mm diameter and go down to 28m. All the piles will be placed precisely and will require cropping to level. "The concrete piles not only have to be placed incredibly accurately, but also must be cropped to the correct design level. This may appear to be a relatively straightforward element to the project, but it has to be done efficiently, accurately and safely. And, vitally, the factory must be completed to the exacting time frames set," explained K2CM's senior construction manager Ian Black.

Pile cropping expertise

In order to crop the concrete piles accurately, productively and safely, Rainton Construction called in their usual provider of hydraulic pile croppers, National Pile Croppers. "We have an excellent and longstanding relationship with Rainton Construction, which is a prominent and respected company in the Northeast. The cropping part of the project must work hand in hand with other parts of the operation and requires coordination to ensure that the correct number of piles are cropped daily. There is no room for inaccuracy and downtime," says National Pile Croppers sales manager, Scott Fitchett.

Rainton Construction currently has four National Pile Cropper CFA units on hire, three standard and one HD for 900mm and 1,050mm piles. "The CFA is a traditional linked modular cropper which can be adjusted to suit required pile sizes. Using the provided lifting frame ensures that there is minimal restriction. It will cut circular augured concrete piles from 300mm to

1,200mm in diameter. Adjustments of 100mm at a time can be achieved easily by adding a half link without any hydraulic interference," explains Scott, who adds: "As Rainton Construction will soon be reducing 1,200mm piles, another cropper will be arriving on site shortly."

Dave Elliott of Rainton Construction, part of MGL Group, adds to Scott's comments: "We've found the croppers supplied by NPC to be highly efficient. They are proving to be an essential piece of kit on the development. Although the croppers have proved themselves, what has really stood out is the aftercare from National Pile Croppers. Many companies just deliver their kit and leave you to it. Scott and his team spent time with us ensuring we knew how to get the best out of the croppers; Scott will visit site regularly and there is also a proactive NPC service visit weekly. Added to that is that we have a named contact at the NPC office who can deal with any queries we may have."

Customer care

"Our knowledge and experience were essential to us providing the pile croppers for this world leading project. However, Rainton Construction has really been impressed by the overall care we have provided; our reaction times have been brilliant, essential to the success of this project," adds Scott. "It's a site that really does require constant care and attention in order to ensure that the project proceeds properly, and to ensure that Rainton Construction gets the service it requires, we need to be on point. I have visited the site on multiple occasions and National Pile Croppers provides weekly service visits. We have provided support from the off which is now allowing Rainton to speed up the whole process and keep on track with its client," concludes National Pile Croppers' Scott Fitchett.

VON ARX RELEASES NEW SERIES OF DUST EXTRACTORS



On LinkedIn a while ago, the CEO of company Von Arx, Fredrik Åkermark, announced that the company is releasing a brand new line of Von Arx dust extractors. This is quite big news for the industry, as Von Arx is well known for its surface preparation machines globally and it's a major development for the company to now release a brand new line of products.

Fredrik Åkermark acquired the Swiss manufacturer some years ago and has a long background in developing and manufacturing dust extractors and air cleaners. Many industry professionals will remember the brand Pullman Ermator where Fredrik worked for many years. When Husqvarna Construction Products acquired Pullman Ermator, Fredrik worked for the company for some years.

Von Arx products corresponds very well with the product sectors Fredrik worked with earlier in his ca-

reer, so it is quite a natural step that Von Arx will now also start to develop dust extractors. Now we are just waiting for the air cleaners and traditional floor grinding and polishing equipment. PDi Magazine hopes to interview Fredrik and publish a longer article in PDi issue 5 later this year.

The new Von Arx dust extraction series is called S2 and S3 is available both as single and three phase machines. There are both models for the European and US markets. The high quality single phase machines

provide 400m² to 600m². They are equipped with Hepa 13 filtration, jet pulse filter cleaning, 7.5m suction hose, wand and floor squeegee. The three phase machines are called T6, T7 and T8, and come with 208V-240V, 400V and 480V. Airflow is 600m³ and they are all equipped with Hepa filter H13. All machines have Longo pack.

We hope to be back with a more complete story on the dust extractors in PDi 5.

www.vonarx.com



CASE wheel loaders helping produce glue and plaster in Poland

When contemporary Poland was being built after the fall of communism in 1989, CASE was one of the very first construction machinery producers to open a dealership in the country through appointing an authorised distributor. Before long, CASE machines could be spotted building roads, digging foundations for houses and laying pipes.

Thirty years on, Poland's economy is booming, and CASE is still very much part of the picture. After the successes of the backhoe loader, many other CASE machines are now making a difference in the country, deployed on construction sites and doing many different works. A good example are CASE wheel loaders, which are being used at waste disposal and recycling plants, at

concrete plants for loading aggregate and at production plants for glue and plaster.

Kreisel Technika Budowlana is one such example. A leading producer of glue and plaster in Poland and part of the European construction group Fixit Gruppe, Kreisel has chosen CASE wheel loaders for three of its Polish locations. The first machine chosen was a compact 321F CASE wheel loader which arrived at the Kreisel plant in Rogowiec in February 2020. "The machine was competitively priced, and its small dimensions fit the size of the production floor," said Waldemar Rozmarynowski, the plant's production manager. "It works on three shifts pouring FGD gypsum into the dispenser at a rate of about 140t/day. We're very happy with it. It doesn't break and operators praise its comfort," he added.

A year later, two other Kreisel plants, Ostrołęka and Lubień Kujawski, acquired a larger CASE 621G wheel loader each. "We chose CASE based on the experience of Rogowiec; the two key factors were its reliability and its low running costs," said Wojciech Zaborowski who manages production in Lubień Kujawski. The machine is used there to dry wet sand for the production of adhesives, plasters and screeds. With an occupancy rate of approximately 75%, due to the size of the plant, it transfers approximately 430t of wet sand to the container per day.

At the third Kreisel location, in Ostrołęka, managed by Michał Dawidczyk, a CASE 621G works around the clock, on three shifts, moving FGD gypsum at a rate of about 160-180t/day. Both plants state that they are very happy with their 621G CASE wheel loader.



Rotair delivers high standards in hydraulic breakers across Europe

In the world of demolition, Rotair believes that few names carry the same weight and reputation. The company now considers itself to be a leading manufacturer of hydraulic breakers, stating that its name has long been synonymous with top tier quality and innovation. With a strong foothold in the southern European market, Rotair now seeks to extend its influence further into other parts of Europe, particularly targeting the excavator and mini excavator segments, where it has proved itself for decades.

The decision to focus on the excavator and mini excavator market is strategic and forward thinking. Rotair states that its versatile machines have proved themselves in the construction and demolition industries, where the efficiency and reliability of hydraulic breakers are paramount. Rotair's emphasis on quality means that the products are precision engineered to deliver reliable performance, making them a fit for these demanding applications.

Rotair states that what sets it apart in an industry brimming with competitors is its unwavering commitment to innovation and quality assurance. "Rotair hydraulic breakers are designed and manufactured to meet the most rigorous international standards ensuring durability, safety, and efficiency with a keen eye on the evolution of the carrier machines, to adapt to new standards of flow and power," says Dario Giraudo head engineer of Rotair.

To accomplish this ambitious goal, Rotair has adopted a multifaceted approach. It includes investing in design and engineering, expanding its distribution network, and cultivating partnerships with dealers who share the same commitment to quality and customer satisfaction. Furthermore, Rotair states that it recognises the importance of offering comprehensive after sales support, including maintenance and spare parts availability, to ensure the longevity and performance of the breakers.

Rotair's journey from targeting first southern Europe, then focusing throughout Europe, is a testament to its unwavering dedication to quality and innovation. The company states that its next target will be the USA, where 'big is better' is no more the leading theme and mini excavators are digging their way to higher positions in sales.



PROEDGE CONSTRUCTION COVERS EAST ANGLIA WITH BOBCAT

ProEdge Construction, a specialist highways maintenance and civil engineering contractor, utilises a fleet of Bobcat compact equipment comprising of E10z, E17 and E26 mini-excavators and an S175 skid steer loader, together with several attachments, including a planer and a sweeper. All of the Bobcat equipment has been supplied and is supported by Peterborough based RTC Plant Services Ltd (www.rtcplant.com), the authorised Bobcat dealer for Cambridgeshire, Northamptonshire and Bedfordshire.

ProEdge Construction is a family run business experienced in carrying out all types of works for social housing providers, main contractors, private developers and private clients alike. With bases in both Upwell and Chatteris, ProEdge Construction provides a wide range of services right across East Anglia. Some examples of services regularly undertaken include Section 38 and 278 works, asphalt machine and hand lay, block paving, kerb laying, surface water drainage, fencing and so on.

Jon Sculthorpe, managing director of ProEdge Construction, said: "The Bobcat products are very popular with our workforce, who think they are strong machines and work well with attachments like grapples and hydraulic grabs. The Bobcat S175 provides even more versatility when working with the attachments including the planer and sweeper. Backed by the Bobcat equipment, our team is committed to providing a quality, reliable service, delivered in a safe and efficient

manner. We strive for total customer satisfaction; being a smaller contractor allows us to offer a more personalised and cost effective service."

RTC - authorised Bobcat Dealer

As well as the Bobcat range of machines and attachments such as those at ProEdge Construction, RTC also offers a full selection of genuine Bobcat accessories and parts to support both new and existing Bobcat customers in its area. This is backed up by a stock of both brand new and second hand Bobcat machines for sale. Customers like ProEdge Construction also benefit from RTC's onsite service network, covering everything from emergency repairs to routine maintenance.

Jon Sculthorpe added: "We have a wide range of clients from different sectors and areas, across the public and private sectors. We work closely with all our clients to ensure full customer satisfaction. Our preference for the high performance of the Bobcat brand mirrors our commitment to providing a friendly and professional service. This is why the excellent service and advice provided by Dave Ellis and the team at RTC is all the more important."



Goldhofer to exhibit at Nordbau 2023

At NordBau 2023, which will be held from 6 – 10 September in Neumünster, Germany, Goldhofer AG will be making its first appearance at the outdoor area West, stand W223, at what the organisers call Northern Europe's largest compact trade fair for the construction industry. Goldhofer will be contributing three exhibits and will also have a few surprises to offer.

The three products Goldhofer will be exhibiting are the 'Trailstar' which enables haulage companies operating in the fields of construction and forwarding to transport universal loads economically, reliably, quickly and safely. The other exhibits are the 'Starline' system which has a very low deadweight, which translates into a significant increase in payload, and the 'MPA' which

is an all-rounder with MacPherson axle technology for high lateral stability. In addition to its own equipment, Volvo Trucks will act as a co-exhibitor at NordBau 2023, with the Goldhofer stand featuring two Volvo tractor units, the 'FH16' and the 'FM Electric'.



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HAMMERGLASS CAN BE

the difference between life and death

The right glass panes in various types of construction machinery can be the difference between life and death. A company that knows this is the Swedish manufacturer of driver safe windows, Hammerglass. PDi's reporter Ann-Louise Larsson visited the company in southern Sweden at the beginning of the summer.

Hammerglass started operations in 2006 and now has three business areas: Automotive, Infrastructure and Property. At the moment, Automotive – i.e. the automotive industry – is the largest business area. The company provides safety solutions for a range of applications where construction machinery is used; everything from demolition to road construction, quarrying and mining, with the company's ethos being that the machine operator should be able to feel safe and secure in all situations. Hammerglass has invested over €1.26M in developing driver safe windows for construction machinery, with the windows being made of polycarbonate with a special surface treatment that provides a number of advantages.

Low awareness and the importance of safety glasses

Despite the fact that a rock, concrete block or other demolition material can cause a life threatening situation for the machine operator if it falls against the cab, awareness of safety glass for machine cabs is generally low. Whilst a blast rated window offers much protection

it can often be broken by a sharp projectile. "Therefore, a good start is to do a risk analysis and see what can happen in the workplace. Based on that, you can then choose the best solution," says Martin Mellerhav, development manager at Hammerglass. "We don't see why a machine operator should take a greater safety risk during his working day than someone sitting in an office. Today,

the products and technology exist to make the machines safer," says Florian Lauterbach, head of Automotive.

Extremely durable thermoplastic

Hammerglass uses polycarbonate in its panes, an extremely durable thermoplastic which is 300 times stronger than ordinary glass. However, polycarbonate



itself is sensitive to both sunlight and chemicals. Therefore, a special type of surface treatment is required so that the material can be used in the tough environments that construction machinery is used in. With a specially developed surface treatment based on nanotechnology, the glass retains its optical clarity, and becomes resistant to scratches and cleaning. The range also includes an infrared variant which provides protection against the sun's strong rays and provides a more pleasant temperature in the cab.

"The latter is a new feature that we can add to the other Hammerglass features and which, among other things, can contribute to lowering fuel consumption by not having to use the AC as hard on hot days," says Martin Mellerhav. "The infrared windows are not allowed to be used on the front window but can be used for all other windows and sunroof in the cab. Another advantage of Hammerglass is that they do not burn, so in the event of a fire in the engine compartment, the driver has more time to get out of the cab. I would like to see a standard that all rear windows on the machines become Hammerglass in the future."

Proving the benefits of the protection of the panes, last year two serious accidents occurred in Sweden where rocks fell against excavator cabins. In both cases the machines had Hammerglass, and the drivers escaped unharmed. "We received an email that said, 'thank you for your glasses, we are so happy that our drivers are alive today'. We have since brought the cab off the machine, which had a 10t stone block over it, and brought it with us to fairs as a clear example," says Martin Mellerhav.

Since 2010, it has been the law in Sweden that those who work where there is a risk of unexploded explosive charges or where stones may hit the machine, must have sufficient driver protection. The law came about after a couple of serious accidents and Hammerglass has been part of the project group that worked to solve the problem. This is how the Automotive business area, and the so-called RABS framework grew. The latter is a specially developed steel frame that holds the pane in place during the pressure wave of an explosion. That solution has since been tested and developed to be able to replace traditional grating panes, which both limit visibility and do not offer comprehensive protection against smaller stones that can drill through the pane between the ribs of the grating.

"Today, I would say that 25% to 30% of the machines over 30t that work in risky environments in Sweden have Hammerglass. There are significantly more people who would benefit from Hammerglass' advantages, primarily through reduced downtime caused by broken windows, but of course first and foremost for the safety of the driver in the cab," says Martin Mellerhav. It is estimated that as many as 40% of all machine operators in Europe experience cracked or broken windows on their machine more than five times a year, according to Hammerglass, meaning that any investment in an unbreakable frame pays off quickly.

Product development and manufacturing in southern Sweden

All Hammerglass development and manufacturing takes place in Förlöv in northern Scania, where there is also an Experience Center where visitors can test the products. Hammerglass' largest markets are primarily in Scandinavia, but growth is taking place in Europe, with Hammerglass having offices in Germany and Italy. The company has reported good sales in North America, where the products are sold by Volvo as well as individual customers in Africa and Australia.



All products have undergone the toughest tests available on the market and have all the certificates required for use in various applications. "We have a great and appreciated product for the forest industry, the only thing we lack is a certificate for forest machines where chainsaws are used. Our product would be able to withstand a red hot chain link thrown against the window, but we have not yet focused on passing the test," explains Florian Lauterbach.

Hammerglass sells its products via a web shop, equipment workshops and machine manufacturers. "We would like to expand our collaborations with the machine manufacturers and partly get in with more people, partly to make them understand the benefits of our products and that they are assembled directly from the factory," says Florian Lauterbach. "Often when a

customer orders their machine with Hammerglass, it comes to the equipment workshop with the original window, which the workshop can remove and replace with Hammerglass. In many cases, the panes break when removed and are discarded before they are even used. Environmentally, it would be a great advantage for everyone if we could get to grips with the unnecessary handling," adds Martin Mellerhav.

A big job ahead for Hammerglass is to increase the awareness and knowledge to both machine operators and employers in the construction and demolition sector about the importance of the right safety solution. "We take every chance we get to raise the issue, then it is up to the customer to choose a supplier," says Florian Lauterbach.

www.hammerglass.com

380 Dual Drive

Screencore's latest addition to its range of mobile and tracked stockpilers has been designed to provide excellent mobility and stockpiling capacity, whilst also providing an eco-friendly, fuel efficient solution. The 24m (80ft) Screencore 380 stockpiler comes with the Screencore 'Dual Drive' functionality that enables the stockpiler to operate with power provided by a crusher or screen, resulting in significantly less expensive and more environmentally friendly operations as only one power source is used.

Screencore has for some time produced a range of tracked and wheeled stockpiling conveyors which can be tailored for specific applications. They are designed to be highly transportable and durable, and offer features such as twin drives, check valves and heavy duty hopper feeders. These have been specifically developed to help construction, recycling, quarrying and surface mining operations, delivering a solution to handle bulk materials on any site. Screencore's existing range of stockpilers come with power solutions to suit various customer requirements. Now however, Screencore has added to its flexible cost-effective environmentally friendly range with the introduction of stockpilers that can run electrically or hydraulically.

Eco friendly efficiency

The key feature of the 24m 380 Dual Drive lies in its unique conveyor drive system, which can easily switch from an electric drive motor on one side of the conveyor to a hydraulic drive motor on the opposite side. The hydraulic drive is powered from the on-board 55kW Cat engine. This groundbreaking capability empowers operators to choose the most suitable and readily available power source, all while enjoying the convenience of a fully tracked mobile unit.

When connected to the electrical outlet of the Dual-Power Screencore XJ jaw crusher for instance, the stockpiler can run efficiently at virtually zero additional cost, offering a cost-effective solution for materials handling. Moreover, this intelligent integration can be extended to other crushers or screens with spare electrical capacity, eliminating the need for an extra engine and significantly contributing to carbon reduction efforts.

Screencore intends to add to its range of Dual Drive stockpilers in the near future, as well as continue to offer the Dual Power functionality to all its product offerings.



DEVELON EXHIBITS FOR THE FIRST TIME AT STEINEXPO 2023

Develon, formerly Doosan Construction Equipment, showed selected models from the company's comprehensive range of equipment for use in quarrying and extraction operations, on stand A9 at the steinexpo 2023 exhibition from 23-26 August 2023.

The Develon display at steinexpo was focused on crawler excavators, wheel loaders and articulated dump trucks (ADTs). The combination of these three machine types has been developed to offer customers from the quarry, mining and construction sectors complete solutions for excavation, loading and transport work, as well as meeting the needs of many application types from general earthworks to the production of aggregates and building materials, all from a single source.

Demo area was the highlight of the Develon display

The demonstration area was definitely the highlight of the Develon steinexpo 2023 display, where the company showcased the interaction of its DX800LC-7 80t crawler excavator, DL550-7 wheel loader and, for the first time at the show, the new DA45-7 4x4 ADT. The DX800LC-7 is the second largest crawler excavator in the current Develon range, alongside the new DX1000LC-7 100t model. The operating weight of the DX800LC-7 is 79.5t and it is powered by a Perkins 2506J six cylinder engine with an output of 402kW. The DX800LC-7 is said to have the highest hydraulic flow for this size of machine, which Develon says has the best in class performance, with higher productivity, lower fuel consumption and smoother controls.

The DX800LC-7 was working in the demo area with the DL550-7 wheel loader, part of Develon's award winning 'DL-7' family of wheel loaders. In the DL550-7, the powerful hydraulic system allows it to work quickly and efficiently. The Scania DC13 283kW engine in the DL550-7 delivers optimal power while meeting Stage V environmental regulations. The combination of these features has been designed to give this Develon

wheel loader excellent balance, ensuring optimal bucket loading with every cycle of the loader's 5.7m³ bucket. The lifting arm with 'Z-kinematics' provides excellent breakout forces and lifting capacities, especially for heavy materials.

The DA45-7 4x4 ADT is Develon's first dump truck with 4x4 drive. The new 4x4 version of the DA45-7 ADT is intended to challenge rigid dump trucks in the 40t class. With its 4x4 design, the new version of the DA45-7 is better at handling bad roads, smoother driving surfaces and steeper terrain than rigid dump trucks. The DA45-7 4x4 ADT is also said to have a better turning radius than comparable rigid dump trucks.

In the static display

The static display on the Develon stand A9 included the company's DX490LC-7 crawler excavator, the DL420CVT-7 wheel loader and a DA30-7 ADT. The DX490LC-7 crawler excavator is powered by a Stage V compliant Scania DC13 diesel engine, which provides 257kW of power. The increased power of the DC13 engine is combined with a 'Virtual Bleed Off' (VBO) hydraulic system ('D-Ecopower+') and the new generation 'Smart Power Control' technology (SPC3), to optimise productivity and fuel consumption, depending on the mode selected.

The DL420CVT-7 has a Scania DC9 engine with an output of 240kW at 1,800rpm, that complies with Stage V emissions standards. High pressure fuel injection and precise timing ensure highly efficient fuel combustion and a perfect engine power stroke. The DA30-7 ADT has a maximum dump capacity of 16.8t (without tailgate) with a maximum payload of 28t.

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New generation DX27Z-7M mini excavator

Develon has announced the launch of the new DX27Z-7M 2.8t Stage V compliant mini excavator for the Brazilian market. This new model provides a larger working range than the previous generation machine, together with higher lifting capacities and digging forces. Another important feature of the new generation mini excavator range is the installation as standard of the latest version 3.0 of the Develon fleet management system, which provides a telematics management system for the excavators by collecting data from sensors on the machines. The DX27Z-7M mini excavator is now the smallest model in the Develon range with the system.

Featuring the new shared global styling for the next generation mini excavator range, the platform design and new upper structure are designed to provide increased durability and robustness. Amongst the many new features included are a new cab design, high lumiance LED work lamps, an enhanced heating and AC system as well as a new EPPR valve which is incorporated for two way and optional rotating functions.



New efficient, compact class from Kleemann

With the introduction of the mobile impact crusher 'Mobirex MR 100(i) NEO/NEOe', Kleemann presents the first family member of the new 'NEO' line. The machine is designed to be efficient, powerful and extremely flexible. In addition, all electric operation is possible with the 'NEOe' variant. The new impact crusher will be introduced gradually starting in 2024 in Europe and in North America.

Adamas says it's your 'brilliant partner' for drilling and cutting in reinforced concrete

The history of Adamas starts in 1976 in the Netherlands when trading company VSK began exploring the market for an alternative for pneumatic breakers to make more precise round openings in reinforced concrete. A solution was found in recently introduced diamond impregnated core drill bits which were imported from the USA and Germany. These diamond drill bits rapidly gained success for all sorts of construction projects and were soon followed by diamond tipped sawblades. In order to shorten the delivery times and offer tailor made diamond drill bits and sawblades for the construction market in the Benelux region, a small diamond tool factory- with the name DTW - was acquired in Westerlo Belgium.

This was really the start of Adamas as a diamond tool company in Europe. In the 1980's, the name of the two companies was rebranded to Adamas, which is the Greek synonym for diamond. Since then, the company has known many commercial highs and lows, but it's in house development and production of drilling equipment and diamond drill bits is still at the core of the business. Now, after almost 50 years, Adamas is still active as a producer and supplier from two locations in the Netherlands as well as in Belgium. The company serves its domestic markets, has a European network of dealers and multiple OEM accounts. It partners with its clients to provide them with practical knowledge and advice on how to make the best of each of their projects with its products. Whenever there is machine maintenance or repair required, Adamas can also offer a professional service at short notice.

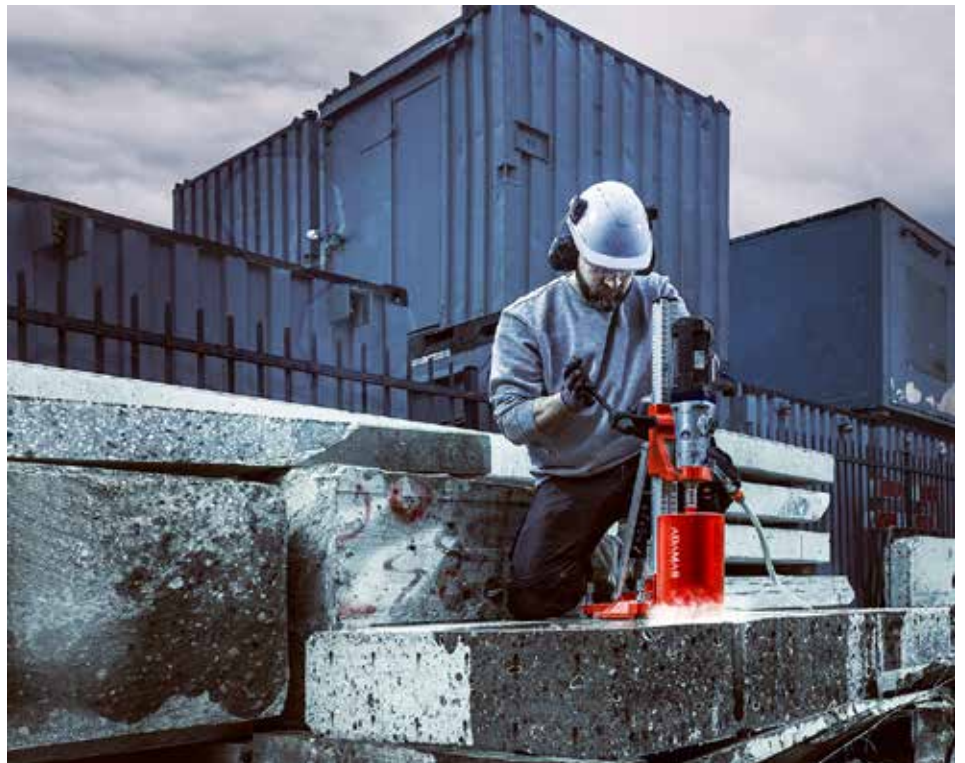
Innovation and partnership

Adamas says that it is the partner of choice for diamond tools and always strives to offer innovative diamond tools and machines of the highest quality. Adamas strongly believes that it can only achieve this in close cooperation with its customers and through the exchange of knowledge. It works with its clients as partners in development, actively exchanging information and expertise to strengthen each other. By continuously expanding and improving production facilities and R&D in the Netherlands and Belgium, the company aims to provide customers with the best products and help grow businesses as partners.

Safe, fast and easy to use

Adamas strives to offer top quality diamond tools for every 'tough' challenge in reinforced concrete and asphalt. It aims to save customers valuable time by providing efficient and safe tools that are easy to use and deliver optimum performance every time. With its team of approximately 80 motivated and experienced employees, Adamas aims to contribute to customer success and offer maximum support to take work to a higher level.

Adamas is ready for the future and in its own words, to be its customers 'brilliant partner'. With branches and sales teams in both the Netherlands and Belgium, a solid customer service set up and a European dealer network, Adamas aims to be close by with a complete range of products. The company offers diamond drills and machines, diamond saws and machines, grinding tools and all kinds of drilling and sawing accessories for a multitude of applications. Adamas also says that it is also happy to help with a tailor made product and that its employees are happy to answer any questions.





The advantages of dry diamond core drilling equipment from AGP

Wet drilling and dry drilling are substantially different processes, and they have very different rpm requirements. In general, wet drilling requires more power for a given diameter, more downforce, and a much slower linear speed (m/s). Dry drilling requires less power, light downforce, and much higher linear speed. In addition, dry drilling requires a vacuum cleaner and works much better if there is a soft percussion function.

Standard dry drilling motors and bits are not suitable for drilling reinforced concrete. This means that any given machine will need to have different gear ratios and other features to perform either wet or dry drilling. Even machines which can drill both wet and dry, will still be optimised for one of the two applications.

There is a special, third category of machines, which are designed for dry drilling of reinforced concrete. These use special bits just for this purpose. Although the cost of these bits is generally higher than wet bits, this system solves some limitations encountered with wet drilling. They are the only choice in situations where water is not allowed to be used but are much easier to use for overhead drilling. They are simpler to use in below freezing conditions and they require less setup time, since water feed and collection are not needed. Furthermore, they make a lot less mess, since the dust is going straight to the vacuum cleaner when drilling occurs.

Therefore, operators drilling reinforced concrete at this time still drill wet as their default choice but will use these special dry drilling machines in cases when there is a special requirement. As the cost of the dry drilling of consumables becomes more competitive, the company AGP expects to see more and more operators using this process in the future.



In the construction and recycling industry, demolition and recycling equipment plays a key role in the efficient processing of materials from construction demolition and industrial waste. Two essential attachments being sorting grapples and crusher buckets. This equipment allows materials to be separated, sorted and reduced so that it can be reused in new production processes, promoting environmental sustainability and resource optimisation.

Sorting grapples are hydraulic attachments that are mounted on excavators or earthmoving machines. They are designed to grip, lift and handle various types of materials, such as concrete, wood, metals and more. Their robust design and interchangeable jaws enable accurate sorting and targeted handling of materials. Sorting grapples are widely used in dismantling and demolition operations as well as industrial waste management.

Sorting grapples enable the isolation of specific materials, simplifying the recycling process and reducing the risk of contamination. Thanks to their gripping and handling capacity, the grapples reduce working time and optimise the efficiency of dismantling and transport operations, whilst separating materials directly on site reduces the overall amount of waste and the need to move unnecessary materials. Sorting grapples are often used in the selective demolition sector, allowing specific parts of a building to be removed, preserving valuable materials for recycling.

The bucket crusher, on the other hand, can be mounted on back loaders, wheel loaders, telescopic handlers, mini excavators and skid steers in addition to excavators, and is used to crush and reduce materials such as concrete, stone and asphalt into smaller pieces. The resulting fragments can be reused as fill material or for the production of new products. The use of the bucket crusher directly on the construction site allows the volume of demolished materials to be reduced, as they are processed into smaller fragments, reducing the overall volume of waste to be handled.

CM's sorting grapples and crusher buckets have proved ideal equipment in demolition and recycling, contributing significantly to the sustainable management of materials from construction demolition and industrial waste. Their ability to select and process materials in a targeted manner promotes internal recycling and reuse, reducing the overall environmental impact of construction and demolition activities.

The adoption of this equipment not only improves operational efficiency, but also contributes to the goal of a more sustainable and environmentally responsible future in the construction industry directly on the construction site allowing the volume of demolished materials to be reduced, as bulky materials are processed into smaller fragments, reducing the overall volume of waste to be managed.

Diamond tool sharpening made easy

Whether for drill bits or diamond saw blades, Tyrolit offers efficient solutions for re-sharpening metal bond diamond tools.

In general, diamond tools sharpen themselves during their application. But the question arises about what to do if they lose their cutting ability due to unfavourable aggregates or cutting less abrasive materials. Tyrolit says that there is a simple but effective solution through sharpening tools that restore the bond and ideally reveal the diamonds again. For this purpose, Tyrolit offers sharpening plates on the one hand, but also loose abrasive grain on the other, depending on the product that must be re-sharpened. By using them, users are said to achieve optimum results throughout the entire product life cycle of their diamond tool.

Tyrolit says that its sharpening plates are a must have accessories for metal bond diamond tools; they have a multi-layer structure, whether from Tyrolit or other manufacturers. The SP1 sharpening plate is said to be perfect for sharpening all types of diamond drilling, sawing and grinding tools for dry or wet applications. There is also a separate version (SP6), which was especially designed for tile saw blades and the fine diamond grain they contain. Depending on the condition of the diamond tool, two to three cuts or bores in the corresponding sharpening plate are sufficient for re-sharpening.

Especially for re-sharpening dry drill bits, Tyrolit also offers loose abrasive grain, the 'Drilling Booster'. The abrasive grain can directly be poured into the bore hole when using the Tyrolit dry drilling system. In the case

of difficult aggregates such as limestone, the booster can also be added continuously during the drilling process for constant cutting. Excess material is removed together with the drilling dust by the dust extraction system.

On YouTube, Tyrolit demonstrates the correct application of these sharpening tools. They can directly be accessed via the following QR code:



DEHACO 'IBEX' ROCK BREAKERS

Breaking rocks, trenching, breaking concrete structures and buildings, asphalt and paving breaking, removing slag from blast furnaces and ladles or secondary rock breaking, have proved to be applications where the controlled force delivered by IBEX hydraulic breakers from Dehaco have proved their worth. Dehaco states that this is due to the breakers' outstanding quality, versatility, power and durability with its hydraulic breakers being used to further crush and demolish material, from buildings for example, in a controlled manner.

Dehaco has two types of hydraulic breakers: the IBEX 'GS' series and the 'HS' series. The IBEX GS series is comprised of 14 models, all equipped with a nitrogen accumulator and are suitable for carriers from 0.8t to 55t. The larger models in the GS series (1200 - 4000) feature an accumulator to generate additional impact energy. The accumulator also reduces peak pressures from the hydraulic circuit, reducing recoil to the carrier and protecting the breaker. When desired, the breakers are available with an open housing, the 'GO' series (Gas Open).

The IBEX HS series is comprised of four models, with the completely hydraulic breakers featuring the 'PAA' system (Power Absorbing Accumulator) and the 'OTC' system (Oil Traffic Control). These specially designed technologies are designed to ensure a continuous and stable oil flow and operating pressure, where an



optimal impact energy will be produced. Both systems act as a hydraulic shock absorber, where the constant impact energy further reduces any recoil to the carrier.

All HS models feature as standard 'ABF' technology. This is an automatic control system which comes into effect when blank strokes are detected during operation. This prevents enormous amounts of stress being applied to the vital components which increases the

lifespan and reduces the wear to the breaker. The longer maintenance intervals are said to characterise these as extremely reliable breakers.

The hydraulic breakers are also available with quick mount systems. In this way the machine operator has more feeling and can work more efficient with the tool, enabling the operator to switch more easily from tools resulting in a lot of time being saved.



'Cevolution' technology in action for the first time in a diamond cutting blade

The Klingspor diamond cutting blade DT 350 AB is said by the company to perform when used on asphalt and concrete and is therefore a favoured product in road construction. With the latest product generation, Klingspor's product developers are said to have succeeded in extending the service life by 50% by the use of a special ceramic grain in the abrasive segment.

Cevolution

The use of a ceramic grain in a diamond cutting blade may sound unusual at first but is said by the German

company to be the way forward in improving service life and thus affording the customer increase in operating time. "Especially on asphalt, we realised that there was room for the DT 350 AB to improve," reports Anton Bodrin, head of product management. "Teaming up with our product developers in Germany and our product testers all over the world, we were able to improve the blade in such a way that it now delivers a service life that is increased by 50%."

The developers relied on a ceramic abrasive grain to achieve this level of performance. Its singular physical

properties, such as hardness and good integration, allow the special ceramic grain in the blend to ensure greater stability and less heavy wear on abrasive materials such as asphalt. At the same time, it supports the cutting effect of the diamonds. These properties made the DT 350 AB the first diamond cutting blade to receive the popular Cevolution seal. With this product, as in other abrasives included in Klingspor's product range, Cevolution is said to deliver noticeable product improvement. Products bearing the Cevolution logo contain ceramic abrasive grain and are optimised for their respective application.

Blade shines in the tests

Klingspor states that numerous, independently conducted test trials have confirmed the improvement in service life. "We work closely with our colleagues around the world. We provided them with prototypes of the innovation for testing purposes, and testers shared the same experience with us, from South America to France to Eastern Europe. The blades lasted around 50% longer at a slightly improved cutting performance, i.e. a distinctly noticeable product advantage for our customers," asserts Anton Bodrin, summarising the feedback from the test countries. As a result, the blade deserved to be distinguished with the Cevolution seal.

The enhanced road construction all-rounder DT 350 AB Cevolution will become available at specialist dealers starting in the summer of 2023.



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Find out more about Dr. Fritsch India.

First laser welding machine for **SAW BLADES AND CORE DRILLS 'MADE IN INDIA'**

Dr. Fritsch India is going to celebrate its 20th anniversary in 2024. The subsidiary of Dr. Fritsch Sondermaschinen GmbH began its operations in Bangalore, focusing on the production of a single type of sintering press. Since then, the company has regularly expanded its portfolio with various machines, such as mixing and granulating machines, gravimetric and volumetric cold presses as well as sintering presses with up to 180kVA.

Presently, Dr. Fritsch India offers a comprehensive line for the production of diamond tools. Over the years, more than 200 machines were supplied to the domestic market, whilst over 150 units were exported worldwide. Given India's abundant deposits of natural stone, the majority of the diamond tools are used for processing materials such as granite and marble. However, there has been a significant increase in demand for diamond tools within the construction industry in recent years.

The construction industry contributes approx. 8% to India's GDP and is the second largest employer, providing jobs for millions of people. The future prospects are also promising as it is projected that 17 of the 20 fastest growing cities in the world between 2019 and 2035 will be in India, which requires significant infrastructure development. Consequently, the Indian government plans to make substantial investments for the construction of new houses and apartments, harbours, railway stations and airports as well as their

expansions and modernisation. In the financial year 2021/22, almost 30km of national highways were built in India – daily! For comparison, in Germany, 61km of national highways were built throughout the entire year of 2019.

Diamond saw blades and core drills are essential in all of these areas, and the demand for laser welded tools is increasing steadily. Factors such as safety concerns and the ability to work without cooling water are primary reasons for the preference of laser welded tools over brazed ones. In anticipation of the needs of the Indian construction industry and recognising its substantial potential, Dr. Fritsch has made the decision to build a laser welding machine for the domestic market.



Laser welding of core drills.

The development and design of the automatic LSM 160 laser welding machine is based on several generations of laser welding machines originating from Germany, which in total have been supplied globally more than 100 times. This establishes the LSM 160 as a machine with a proven mechanical design and software. Using the latest fibre laser technology, this machine allows users to laser weld both, diamond saw blades Ø 100mm – 1,650mm (including segments) as well as core drills Ø 50mm – 300mm. This versatility is said to make the machine unique.

Sanwa Diamond Tools, a pioneer in India's diamond cutting tool industry with more than three decades of experience, sees also the rising demand of laser welded saw blades and core drills in the Indian construction market. Sanwa's state of the art manufacturing facility emphasises its commitment to consistency and quality. Given this commitment and the longstanding partnership with Dr. Fritsch, Sanwa has chosen to invest in the LSM 160 to be best prepared for the future. The machine is scheduled for delivery in early 2024.

The LSM 160 will be introduced to the market at the DemTech international demolition conference scheduled for 28 and 29 September in Bangalore, India. Dr. Fritsch cordially invites interested parties to visit its stand number 34 to learn more about the versatility of the LSM 160 and looks forward to meeting Demtech attendees.

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BOBCAT MINI TRACK LOADER PROVES TO BE THE IDEAL SOLUTION IN GLASS RECYCLING

Founded in 1946, Santos Jorge has two facilities in the towns of Mollet del Valles (Barcelona) and Montblanc (Tarragona), where domestic glass and industrial glass are treated and recycled. Thanks to the technology and versatility of the processes at these sites, the company provides all kinds of recycled glass treatment services for different sectors.

The company recycles around 100,000t of glass per year, with the company recently adding a Bobcat MT55 mini track loader to its machinery fleet, which due to its compact size is ideal for working in very confined spaces. Antonio Hernandez, purchasing and logistics manager at Santos Jorge, comments: "We needed to clean all the way to the corners under the belts that transport the glass and for this a super compact machine was essential. Since we have been working with this Bobcat mini track loader, we no longer have to clean by hand with a shovel and brush, which has resulted in a comfortable, faster, more efficient and safer way of operating, and this also allows us to more easily keep cleaning and maintenance up to date, without accumulating glass debris.

"With the bucket on the loader we also load the glass waste into containers and with a custom made stacker, we clean corners that it is impossible to reach with any other machine as the cabs would get in the way. Basically this is the only model that allows us to access certain spaces in our facilities. And another noticeable advantage is that it is very easy to work with it." Currently, the loader is performing maintenance on all the low and narrow corners of the recycling plant, performing maintenance on about 600m² of operating space.

With regards to the MT55, Bobcat states that operators highlight its lightness, ease of use, compact-

ness, manoeuvrability, and its very good breakout force for a machine of its size, as well as its nominal load capacity of 254kg. Prior to the purchase of the MT55, Bobcat Of, the official Bobcat distributor, carried out a demonstration for Santos Jorge, showing the most suitable solution for the business. Improvement has been evident, with less labour for the same results and with greater efficiency and speed.

Antonio Hernandez added: "Whenever we have had a need, Bobcat Of has provided us with a good proposal, which is why we trust their team. They provide us with a good service both in advising us in the face of problems, and through their technical service. "We also have a Bobcat S450 loader that has been in service for a few years now, equipped with a sweeper attachment, for other maintenance work in larger areas, with which we are also very satisfied."

Bobcat states that its skid steer loaders are characterised by their small dimensions and great agility and combined with their traction and lifting capacities they overcome the difficulties of manoeuvring in confined spaces with ease and speed. Bobcat has recently launched the company's latest mini track loader, the MT100, with a rated capacity of 460kg, a tipping load of 1,314kg, a powerful breakout force and a lifting height of 2,057mm.



Impianti extends Powerscreen coverage in mainland Italy

Powerscreen is pleased to announce extended territory coverage for Impianti Industriali Srl in mainland Italy. The agreement, which was signed at the SaMoTer 2023 show in Verona, will see Impianti extend its Powerscreen footprint into Central and Southern Italy, in addition to the territories currently served in Northern Italy.

Established in 1983, Impianti is an innovative company which specialises in the sale and rental of crushing, screening, and conveying systems for the mining, quarrying, recycling and steel mill industries. Impianti have been the authorised Powerscreen dealer in Northern Italy since 1995 and is said to be the current market leader in this region. Today, the company has over 70 Powerscreen machines in its rental fleet, which is set to grow further with the expansion into Central and Southern Italy.

As a customer orientated organisation, Impianti also has the support of its sister company Orimec Srl, which is dedicated solely to the servicing of equipment. The latter's mobile workshop service provides prompt assistance on site for all Powerscreen customers in Italy. Mark Ferguson, regional sales manager at Powerscreen said, "Impianti is a prime example of a forward thinking company who are very much leading the way in terms of rental, aftersales support and utilising digital technologies to the benefit of their customer base. We are delighted to be a part of their exciting growth story and look forward to further developing the Powerscreen brand in their extended territories."

Fabio Orini, managing director at Impianti commented, "We are proud that our achievements to date have been recognised by Powerscreen and have exciting growth plans for the new territories that we are now covering." It's been a busy start to 2023 on the event scene for Impianti, which participated in the SaMoTer show in May and more recently, the CavaExpoTech exhibition at Cave Vezzola in Lonato del Garda. However, the main event is yet to come with a planned customer open day in September to mark the 40 year anniversary of the business.

Ennio Dedè, sales manager at Impianti invites customers to join the Impianti 40th celebrations. "We would like to take this opportunity to invite all Powerscreen customers - both past and present - to join us at Cave Rossetti S.p.A. on Thursday 21 September for our 40th birthday celebrations and an exclusive preview of some of the latest innovations from Powerscreen."



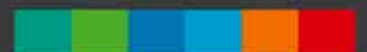
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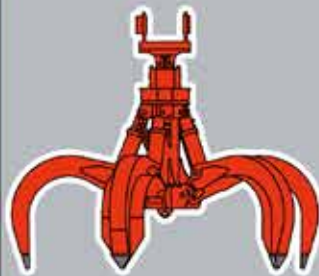
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