

PROFESSIONAL MULTI-MILLION DOLLAR AMERICAS

Your Gateway to North, Central and South America



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Postal address:
Riverbends Publishing, LLC, PDa Magazine,
P.O. Box 552, Nokesville, VA 20182, USA

Phone: +1 703 392 0150

E-mail Editorial Office:
editorial@pdamericas.com

Web Site:
www.pdamericas.com

ISSN Registration: ISSN 1650-979X

EDITORIAL STAFF

Senior Editor: Jim Parsons
jim.parsons@pdamericas.com

Editor-in-Chief: Jan Hermansson
jan.hermansson@pdamericas.com

Assisting Editor-in-Chief
Anita do Rocio Hermansson
anita.hermansson@pdamericas.com

Editor North America: Jim Parsons
jim.parsons@pdamericas.com

Editor South America: Luiz Carlos Beraldo
luizcarlosberaldo@gmail.com

Junior Editors: André Hermansson
andreviniciusgogola@gmail.com

Vitor Hermansson

vitor@live.se

CORRESPONDENTS

Andrei Bushmarin
andrei.bushmarin@pdworld.com

Mikael Karlsson
mikael.karlsson@pdworld.com

SALES

Sales Director North & South America 1
Darren Dunay
Riverbends Publishing, LLC, PDa Magazine
P.O. Box 119, Westwood, NJ 07675, USA
Phone: +1 201 781 6133,
Fax: +1 201 664 1829
darren.dunay@pdamericas.com

Sales Director North America 2
Andrei Bushmarin
Phone: +7 921 949 27 81
andrei.bushmarin@pdworld.com

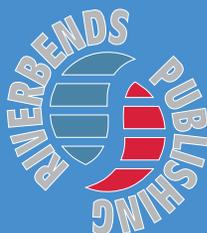
Sales South America 2
Eduardo Kubrick
Phone: +55 11 999494544
eduardo.kubrick@pdamericas.com

Sales Europe and rest of the world
Phone: +46 8 585 700 46
sales@pdamericas.com

Publisher
Jan Hermansson

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The MB Spezialabbruch GmbH drivebreaker, that is used for dismantling of the 738-ft (225-m) high reinforced concrete chimney of the CHP nuclear plant in Jena.

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FACING UP TO THE FLU

As this issue of PDa goes to press, the number of coronavirus cases across the U.S. is growing, with several deaths already attributed to the disease. No one is quite sure how the virus will unfold; predictions run the gamut from a larger than usual severe flu outbreak to a pandemic on the order of the Spanish Flu that devastated the country and the world in the years after World War I.

In an age where the world's knowledge is available at one's fingertips, there's almost too much information about the coronavirus going around—rumors and twice-told tales that spread almost as quickly as the virus, mutating with new, not always accurate details or omissions with every retelling.

It's also a reminder of the lasting power of world-of-mouth, the oldest form of advertising and publicity that is every bit as effective, if not more so, than the latest digital channel. Small wonder that there's a run on respiration masks, hand disinfectant, and other defense tools at stores across the country. (I've yet to hear of similar demand for chicken soup, which I grew up learning was the cure for all ills.)

Every wise business owner knows that, like the old sports adage, the best defense against challenges both known and otherwise is a good offense. That means taking thoughtful, measured steps to address potential vulnerabilities and adopting habits that typically make sense regardless of whether there's a threat or not.

In the case of the coronavirus, for example, medical experts say simple measures such as washing hands and avoiding touching one's face is an effective way to prevent contracting and spreading germs, including relatively benign colds that may not be as debilitating as flu, but can sap productivity nonetheless. Compare that with scrounging all the respiratory

masks on the shelf, which, by the way, are typically more beneficial for those already infected with the flu to prevent spreading it to others, rather than the other way around.

You can apply this approach to the daily routines of your business. For example, regularly processing receipts into your accounting system every day or two takes only a few minutes, compared with the potentially hours-long reconciliation sessions at deadlines where you might overlook an expense or why it was incurred.

Taking the time to make sure your insurance is up to date, your computers are fully protected against unwelcome intruders, and your employees' emergency contact numbers are current will likewise enhance your readiness in the event of an emergency or unexpected events, which never occur at one's convenience.

The takeaway from all this is that being proactive is almost better than having to react to something, particularly if it's a new challenge or situation.

But there's a difference between making informed decisions and taking wise steps, and taking a so-called "shotgun" approach with limited effectiveness that doesn't merit the cost.

For now, let's all hope the coronavirus threat recedes as quickly as it peaks, that those already infected recover, and the rest of us avoid any exposure or long-term effects. Be safe, be wary, and be smart.



Jim Parsons, Senior Editor
jim.parsons@pdamericas.com



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ETC.



PDA Magazine is pleased to present regular updates from the US National Demolition Association. This column comes from NDA Executive Director Jeff Lambert.

Great Success for NDA's Annual Convention in Austin

I hope you found time to attend NDA's Annual Convention in February, Demolition Austin. We had over 940 attendees, eclipsing last CONEXPO-CON/AGG convention by almost 250 attendees. We had 84 exhibitors, compared to 57 last CONEXPO-CON/AGG and 89 last year. The big news is we grew Live DEMO from 16 participants and 24 pieces of machinery in 2019 to 20 participants and 30 pieces of machinery in 2020.

Education was a huge draw. Our keynote speaker Seth Mattison was a huge success. His presentation highlighted workforce trends to engage your team for success. We also featured an OSHA update, an overview on workers' compensation benefits and a presentation on the MATOC program from USACE. In addition, NDA hosted a pre-conference superintendent boot camp course with over 45 attendees, nine companies participated in the hands on portion of the course at the Live Demolition.

Appreciated Awards Dinner

To cap it all off we had an exciting evening at the Awards Gala with the introduction of new Michael J. Casbon Safety Award, six Hall of Fame inductees, three Excellence in Demolition Award winners, Lifetime Achievement and 11 scholarships awarded. The winners of the Michael J. Casbon Safety Award Adamo Group, Cherry Companies and Independence Demolition. Hall of Fame inductees were Bob and Susan Baumann, Bill Gumbiner, Walt Reeves, Saul Specter and Bob Stuppy. The 2021 winners in the Excellence in Demolition Award Stryker Demolition & Environmental Services, LLC, Alpine Demolition Services and Veit & Company Inc. Finally, this year's Lifetime Achievement award goes to Jon A. Manafort.

You may ask with all of the excitement around convention, "What else does NDA have going on?" Last year we had eleven comments to regulatory changes and congressional action, including silica. This year we will continue to expand outreach. NDA will be conducting training for OSHA Region 5, April 3rd. This training is a crucial step by to formalize an alliance agreement with OSHA. An alliance agreement will provide members with resources and compliance assistance.

Download the 11th episode of Demolition Now!

NDA's Director of Government Affairs, Kevin McKenney, explains the final Joint Employer rule set in place by the Department of Labor. Additionally, we encourage you to weigh in on the Electronic Logging Device Relief Bill at our grassroots portal. This legislation exempts small businesses that operate 10 or fewer commercial trucks from the Federal Motor Carrier Safety Administration's (FMCSA) electronic logging device (ELD) requirement. Finally, the Government Affairs committee will be weighing comment on a proposed change to the National Environmental Policy Act (NEPA) to expedite construction, highway and pipeline projects. In education, we have four upcoming courses in the Foundations of Demolition Training Series. Two courses in Chicago, April 22-24, risk management and estimating and two courses in Atlanta, May 20-22, job cost tracking and project management. Send your employees and encourage your colleagues to attend! We will be hosting a member networking reception at each training. We are also pleased to announce a new member benefit, the NDA Demolition Best Practices Library. The library enables members to and access pertinent industry resources, content, templates, whitepapers and leading practices. More content added throughout the year. Check our website for details on these member benefits and registration. Are you a member? If not you should be.

Allu Names New N.A. Distribution and Marketing VP

Allu has announced the appointment of Edison Rocha as its new vice president of distribution and marketing for the United States and Canada. Rocha's main areas of responsibility will be for increasing the development of distribution channels, as well as for marketing throughout North America. Rocha brings nearly 25 years of experience in construction equipment sales, dealer development and marketing to the position of vice president of distribution and marketing. This includes 11 years with Sandvik Mining & Construction, where he held positions in aftermarket and sales management in the Americas, most recently as a divisional sales manager for the U.S. Prior to that, Rocha worked in sales and sales management for Linck Machines and Servcorp International.

Rocha holds bachelor's and MBA degrees from leading universities and is proficient in English, Portuguese, and Spanish.

www.allu.net



GSSI Names Lussier VP of Operations

GSSI has appointed Marc Lussier as Vice President of Operations. In his new role Marc will lead GSSI's initiative to build production capacity to meet the growing global demand for their products, while maintaining high levels of customer satisfaction, quality and profitability.

Lussier brings more than 20 years of managerial and leadership experience. Before joining the GSSI team, he served as the Head of Group Technical Services and Vice President of Technical Services North America for Schleuniger, Inc. He was a key contributor to the creation of and startup of Schleuniger Mexico (a sales and service company), the creator of Schleuniger University, and exceeded a \$20 million global service revenue improvement goal from 2014 to 2018.

Lussier holds a Master's degree in business administration from Southern New Hampshire University, and a Bachelor's degree in electronic engineering from the University of Massachusetts at Lowell.



Liebherr USA, Co. Construction Division receives AED Foundation partner award

Liebherr USA, Co.'s Construction Equipment division is the 2020 recipient of the Associated Equipment Distributors Foundation Partner Award. First presented in 2017, the award recognizes the distinguished service of a manufacturer or service provider that has offered significant contributions to the professional education goals of the AED Foundation. Foundation leaders said Liebherr's strong support for the organization's fundraising gala, which included donating a European vacation package to the live auction, allows the group to grow and support the industry through

efforts such as addressing the industry's skills gap and technician shortage. Established in 1919, Associated Equipment Distributors is an international trade association based in Schaumburg, Ill. It represents more than 700 equipment distributors, manufacturers, and industry service firms across North America. AED members sell, service and rent equipment to markets that include heavy and light construction, mining, agriculture, forestry, aggregates, and engines. Liebherr has been a member of AED since 1972.

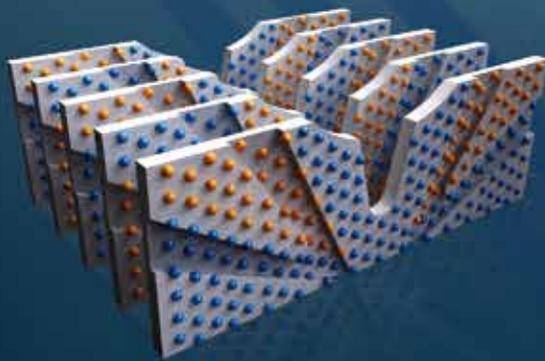
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Event Calendar

Conexpo-Con/Agg 2020
 March 10-14, 2020
 Las Vegas Convention Center, Las Vegas, USA
www.conexpoconagg.com

IACDS Annual Meeting & Bebossa Show
 March, 2020
 Willingen, Germany
www.bebosa.com
www.iacds.org

ISRI 2020
 April 25-30, 2020
 Mandalay Bay, Las Vegas, USA
www.isri2020.com

CSDA 2020 Convention & Tech Fair
 March 10-14, 2020
 Carlsbad, Ca, USA
www.csdas.org

Samoter 2020
 May 16-20, 2020
 Verona, Italy
www.samoter.it

Concrete Show Brazil 20
 Aug 14-16, 2020
 São Paulo Expo, São Paul, Brazil
www.concreteshow.com.br

DEMCON 2020
 September 20-21, 2020
 InfraCity, Bredden, Stockholm, Sweden
www.demcon.se

Bauma China 2020
 Nov 24-26, 2020
 Shanghai, China
www.baumachina.com

Demtech, India 2020
 Fall 2020
 Bangalore, India
www.demtech.in

World of Concrete 2021
 January 19-22, 2021
 Las Vegas Convention Center, Las Vegas, Nevada
www.worldofconcrete.com

NDA Annual Convention 2021
 March 4-7, 2021
 New Orleans, Louisiana
demolitionassociation.com

Mecalac Hires Industry Veteran Bigwood to Grow North and South American Business

Mecalac has hired Peter Bigwood as general manager to expand the company's reach in North and South America. Mecalac, which was founded in France in 1974, manufactures a full line of excavators, loaders, backhoe loaders, site dumpers, and compaction rollers for urban jobsites.

In his new role, Bigwood will build brand awareness for Mecalac by growing the business, developing a strong dealer network, and expanding the Mecalac North America team. In addition to focusing on dealer development, Bigwood will also launch and grow the presence of Mecalac in the rental market.

"While the North and South American markets are fairly unfamiliar with our brand and product benefits, adding Peter to the Mecalac team is an aggressive move to change that reality," says Mecalac CEO Alexandre Marchetta.

Bigwood brings more than 30 years of construction industry experience in sales and marketing to his new role. He previously served as vice president of sales and marketing for remote-controlled demolition manufacturer Brokk Inc. There, he identified and launched new markets for the company's demolition machines, in addition to leading the growth of the sales network in the U.S. and Canada. Before that, Bigwood served as president of Atlas Copco Construction Tools for nearly 20 years.

Mecalac specializes in compact construction equipment that delivers superior



performance in speed, flexibility, fuel efficiency and versatility. Most Mecalac machines are designed for multifunctionality, built to reduce the number of machines needed on the jobsite. With the right attachments, excavators become multipurpose machines — replacing the use of a skid steer or telehandler. Operators can easily transition from one task to the next by changing out an attachment — all without needing to leave the cab.

On sites with tight footprints, Mecalac's

swing loader design eliminates the need to move the machine, saving time. The loader can stay in place while the bucket remains operational. Mecalac's crawler and wheeled excavators feature a signature two-part boom with an integrated offset arm system. The Mecalac boom makes it easy to dig outside the width of the machine, yet operate within a tight radius. Equipped with forks, it allows for unloading heavy material below grade.

www.mecalac.com



Liebherr Celebrates 50th Anniversary in the US

Liebherr is celebrating 50 years of success as a leading manufacturer in North America this year. With its 50th anniversary theme "United by Success," the manufacturer remains focused on its commitment to U.S. customers.

Liebherr has been producing in the U.S. since 1970. The company is one of the leading North American suppliers of construction machinery and other technically advanced, user-oriented products

and services. The manufacturer sells and distributes products throughout its own locations and through an independent distribution network.

Liebherr has built its U.S. business on a foundation of trust, innovation and engagement with customers. Five decades later, it's growth, diversity and stability are evidence of how the company is united by success with customers as they work on the chal-

lenges of tomorrow and focus on the future together.

Celebrating together

Throughout 2020, Liebherr will focus on 10 innovative product divisions across the U.S. in addition to its commitment to the success of customers, business partners and employees. The anniversary campaign will engage with customers on web, social media and industry events, including a dedicated U.S. anniversary landing page and video. Liebherr will also unveil special anniversary exhibits and host VIP events to thank customers for their loyalty throughout the last five decades.

To keep pace with its growth, a new \$60 million state of the art expansion will be completed in spring 2020 in Newport News, which will be home to Liebherr USA, Co. The new site is adjacent to the company's current facilities, where Liebherr has operated for its first 50 years. The new buildings will add more than 251,000 ft² (23,319m²) to the existing 560,000-ft² (52,026m²). campus. Additionally, Liebherr has 13 other locations across the U.S.

www.liebherr.com

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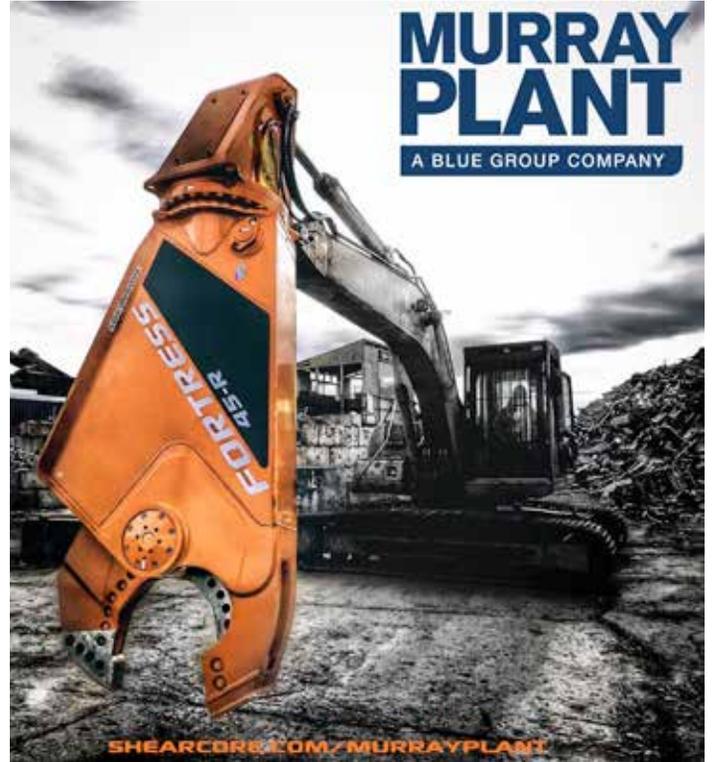
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ShearCore Names Murray Plant as 2019 Worldwide Distributor of the Year

ShearCore announced that Murray Plant, a Blue Group company, has been named the 2019 Fortress Worldwide Distributor of the year. Murray Plant purchased a record-breaking number of Fortress products in 2019 – making it the #1 distributor of Fortress products worldwide. Bruce Bacon, President of Exodus/ShearCore, says that “there is no doubt that the skyrocketing success for Fortress in the United Kingdom is in large part due to the professional team at Murray Plant.”

Kevin Boreen, CEO of Exodus Machines, echoed Bacon’s high regard of the working relationships with the Murray plant. “We could not have asked for a better partner than Murray Plant/Blue Group to introduce the Fortress family of products to the UK market,” he says. “We look forward to continued success for many, many years to come.”

The breadth of the Murray Plant and Blue Group product offerings, the quality of the facilities, and their dedicated staff makes them the perfect distribution partner.

“Fergal, Bruce, Mick, and others at Murray Plant have been cornerstones of stability,” Bacon says. “I believe that the number of ‘high-profile’ professional demolition contractors that own Fortress products is a direct result of their reputation for fair play and good service.”

ShearCore prides itself on the relationships that have been built in the industry and is extremely grateful for the relationships it’s built with Murray Plant and Blue Group that has helped us to grow our market share in the U.K. Terry Sturgell, ShearCore

Regional Sales Manager, has been a vital team member in cultivating the relationship with the Murray Plant and through his hard work this alliance has only grown stronger.

Bacon also recognizes that relationships are key to continued growth. “I appreciate the superb relationship that these companies have with Fortress and the markets, and I’d be remiss if I didn’t state how amazing the personal acceptance of our team and products has been by many Demolition and Recycling companies in the U.K.,” he says. “I consider it an honor to know many of these men and women personally, and it is one of my best experiences in life to feel welcomed by them. I truly hold their trust and friendship in high regard.”

About Murray Plant

Originally started in 1972 by Bruce’s late father Bob, who was always on the lookout for something different led to purchasing a Rammer Breaker in 1985 – a Rammer S82 – a Big Hammer at the time! Eventually becoming the Scottish Rammer Dealer. Murray Plant has only ever sold Rammer making it one of the U.Ks most consistent Hammer Distributors and one of the world’s longest serving Rammer dealers. Murray became sole UK importer in 1985. Other Products followed namely Allu Screening Buckets, OilQuick quick couplers, Xcentric Crushing Buckets, Pladdet Rotating Grabs, and more recently Fortress Shears and Pulverizers.

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SMALL IS BOUNTIFUL FOR AVANT TECNO USA

Avant Tecno's compact-but-mighty articulated loaders have already taken multiple industries by storm, like property management, construction, and demolition, etc. With the latest release of its larger and more powerful 800 series machines and its upcoming release of its electric series, Avant continues to pioneer and pave the way in the company's development of internationally acclaimed and innovative compact loaders. Jukka Kytömäki, President of Avant Tecno USA, oversees sales and distribution for Avant in the United States and recently provided some insight into the company's massively growing international operation.

PDa: Tell us about Avant Tecno USA?
Since 1991, Avant Tecno has manufactured more than 45,000 loaders at in Ylöjärvi, Finland and is now producing 5,000 loaders a year. The machines boast innovative design features that focus on efficiency, ease of use, safety, versatility, and ergonomics. With sales offices already established in Finland, Germany, and the United Kingdom, Avant Tecno expanded operations to the US in May 2012. Since the beginning, the feedback from American customers was very positive. Avant is offering a completely different and distinctive solution for various customer segments including landscapers, hardscapers, arborists, property maintenance, construction, and demolition.

PDa: What makes your business and company unique?
Our machines feature more than 200 different

kinds of attachments and are multi-functional and versatile in design. We tailor our loaders to the size, market, and weather conditions of every industry and export to every continent in the world. The cornerstone of our business has always been to put research and development, quality and manufacturing at the forefront. Every machine is thoroughly tested and documented first in Finland, then again when it reaches our U.S. HQ outside of Chicago. There, our service team helps maintain and service the machines. We intentionally overstock parts to ensure they are readily available to customers. In addition to delivering dependability and consistency, integrating the sales and marketing functions into the R&D and customer service side of the business has been critical in keeping up with Avant's unprecedented rate of customer demand and innovation.

PDa: Any new products soon?
Absolutely! We're thrilled to be introducing and showcasing our new Avant 8601 model to the North American market. With these larger compact articulating wheel loaders, the machines reach speeds of about 18 miles per hour [29 kph] and feature an increased lift capacity of about 4,188 pounds [1,900 kg]. It's our most powerful loader series to date and yet its dimensions and articulated design make the machines very versatile and powerful. The introduction of our 800 series gives us a chance to jump into additional vertical markets looking for bigger, stronger, faster machines. We're also excited to introduce our e-series to the U.S., which is set

to launch by this summer. These machines are battery powered and especially suited for indoor use where ventilation is limited or non-existent and there are strict noise restrictions. The e-series machines will be a game-changer for indoor jobsites. Lastly, we're about to be releasing new attachments for asphalt patching. This has been demonstrated and prototyped in Europe with very promising results.

PDa: How does Avant fit into the construction and demolition sector?
The versatile, agile, and powerful compact Avant loaders utilize many attachments in a variety of configurations including concrete mixers, soil screening buckets, vibrating plate, and brick paver installation clamp for construction projects; hydraulic breakers, cutter crusher, and an asphalt grinder for demolition jobs. Avant's backhoes, trenchers, and augers are ideal tools for digging applications within construction projects. But single tasks are not in Avant's DNA. With Avant's unique attachment coupler and hydraulic multi-connector, it takes just seconds to release the hydraulic breaker attachment and hook up a heavy-duty bucket to carry the debris away. Being lighter than typical skidsteers, the compact and light loader is made for working inside buildings. Due to its small size, it can be lifted to higher floors, and the hydraulics output allows you to make use of our wide range of attachments on the same basic loader. Hydrostatic power transmission, telescopic boom and joystick control give you full precision control for the best possible results.

PDa: What about Avant and safety?
On construction sites, safety is the foremost concern. Our designers take safety very seriously, and that's why our loaders feature secure railings on the safety roof, various cab options, brilliant visibility from the cab, a sideways-fixed articulated joint and low center of gravity. We offer a full 360 degree unrestricted view so operators are in full control.

PDa: Avant's dealer network?
We have a wide and ever-growing footprint in the American market with more than 150 dealer locations across the United States. Globally, the construction segment is one of the fastest-growing segments for Avant and we are starting to see the same trend here in the United States. We will be exhibiting at many shows in 2020 and are looking forward to further solidifying and reinforcing our growing presence in this sector.

www.avanttecnousa.com



AWESOME

NDA's annual show is a true hit in the capital of the Lone Star State.

The National Demolition Association rolled out a true Texas-sized "Howdy!" to nearly 1,000 members, vendors, and guests at Demolition Austin, the 2020 edition of its annual Expo and conference. The good turnout for the event, held just two weeks before Conexpo-Con/Agg, reflected both an outstanding lineup of activities and presentations, as well as the overall good health of the demolition industry.

A satisfied NDA President

"There's good energy here," observed NDA president Christopher Godek, who is also the owner of New England Yankee Construction LLC of Wallingford, Conn. "The economy is good, and contractors are busy."

Demolition Austin started with a bang—and a crunch—on Sunday with its Live DEMOLition event, an outdoor exhibition of demolition and construction machines held at Texas Disposal System's expansive waste processing facility and landfill in nearby Creedmoor. Many attendees were surprised to discover that the TDS site also encompasses a privately-owned exotic wildlife ranch—an appropriate juxtaposition for the attachment-equipped long-reach cranes that repeatedly dove into demonstration piles of scrap concrete and metal much like feeding time at the zoo.

The giraffes, emus, and elands paid their visitors little mind, however, leaving the spotlight to the big equipment. Manufacturers on hand in the demonstration area included Arden Equipment, Brokk, Caterpillar, Kobelco, Komatsu,

Below NDA President Christopher Godek.



Liebherr, LiuGong, and Volvo, as well as attachment providers such as Company Wrench, Epiroc, Genesis, LaBounty, Husqvarna, Okada America, Steelwrist, and OilQuick/ShearCore.

The official opening of Demolition Austin was held later that evening, with a ribbon-cutting ceremony and Expo opening reception at the Austin Convention Center. This would be the hub of Demolition Activity for the next few days, with 84 exhibitors on hand to share their latest products and, perhaps more importantly, gain insights from current and prospective customers.

"Our relationship with manufacturers is one of the strengths of our industry," Godek said during his interview with PDa. "They do a great job of listening to members about what they need out of machines. We thank them for being here, and for their ongoing collaboration."

Compared with Conexpo and other larger shows with multiple manufacturers competing for attendees' attention, Demolition Austin provided a more intimate environment for one-on-one discussions, particularly for those companies looking to raise their profile in the North American market.

"We're glad we're here," said Mani Iyer, president of LiuGong North America, which had of its larger pieces of equipment operating at the Live DEMOLition event. Iyer said many members who took advantage of the opportunity to take the machines' controls were impressed with the ease of operation and ruggedness. He believes these features, along with technology, standard features, and best and lowest cost of ownership will help LiuGong compete in what is already a crowded equipment market. As more customers adopt the equipment, LiuGong will gain "ambassadors" who will promote the brand via all-important "word-of-mouth" advertising.

"We plan to open a manufacturing plant in Wisconsin, and already have many research and development centers,



E AUSTIN





and joint-venture relationships with component manufacturers,” Iyer said. He added that even with uncertainties of the US election and other factors that could alter the construction market, “we have a good plan for growth no matter what happens.”

Lessons to learn

Demolition Austin was also about learning, with educational offerings ranging from a “bootcamp” for aspiring superintendents and foremen, to navigating the tricky, often contentious challenges of succession planning for family-owned businesses—an increasingly widespread challenge in the construction industry as first- and second-generation company leaders contemplate retirement.

NDA’s famed quick-hit “Fast and Furious Fast and Furious” speed-learning presentations covered topics such as the foundations of demolition management, regulatory and market updates, use of NDA’s safety app, and several others. Safety was also a pervasive topic on the education side, with presentations from representatives of OSHA and Texas Mutual Insurance Company. One of Demolition Austin’s many highlights was Monday’s keynote address by workforce strategist and management trend-spotter Seth Mattison. Although his career as an advisor on key shifts in talent, leadership, and the future of work has taken him around the world, Mattison is no stranger to physical work, having grown up on a fourth-generation family farm in southern Minnesota.

Mattison emphasized that while many of the industry’s older members literally and figuratively grew up in organizations dominated by hierarchical models, today’s workforce is more attuned to networks with multiple ongoing and ad hoc relationships and lines of communication.

While neither model is inherently “right” or “wrong,” businesses need to undertake “shifts” in order to strike an optimum balance between the two so that they can create a more engaged culture better aligned with the needs of the current and future economy. Technology is often a convenient starting point for many firms, but the most important shift may be in the customer and employee experience, which Mattison says mirror each other. That means showing employees that they are truly valued and cared about, not simply names on a paycheck.



“That was one of the biggest takeaways for me,” Godek said later. “We get to go out and do amazing things in our industry. It’s nice to hear that it’s OK to tell your workers you care about them.”

Company leaders also need “learning agility,” Mattison said, which is “knowing what to do when you don’t know what to do.”

The busy day at Demolition Austin wrapped up appro-



priately with a “Toast to Texas” reception and the nearby Bangers Sausage House and Beer Garden. The event was a mixer in every sense of the word, with lots of networking, dozens of craft beers on tap, tasty Texas food, and a local band that attracted no shortage of dancers and newfound groupies (including a Russia-born sales director for a certain industry publication who would go on to purchase a souvenir Stetson before heading home). As the good times echoed into the night and into the next day’s final activities—NDA’s annual awards banquet and Demolition Hall of Fame induction—thoughts were already turning back to the working world, and what the remainder of 2020 holds for the industry.

“History would tell us it has to slow down,” Godek said of the current decade-long construction industry boom. “Aside from low scrap prices, which are usually up in big economy, our members seem to be in good shape.



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We'll just have to see what happens."

In the near-term, Godek says NDA will continue to promote industry-manufacturer collaboration, finalize a formal alliance with OSHA, and encourage certification and professional development among its members. Harkening back to Mattison's keynote, he that providing employees with opportunities to learn and grow is a key element in building stronger, more resilient company cultures.

"One of most important things is to feel like you belong," he said. "And the inherent nature of family-owned businesses sometimes makes that difficult to convey. We hope the ideas we provide can help change that."

Future

Continue to promote collab. Finish formal alliance with OSHA. Continue to encourage certification, etc. Again, ties into keynote.

www.demolitionassociation.com





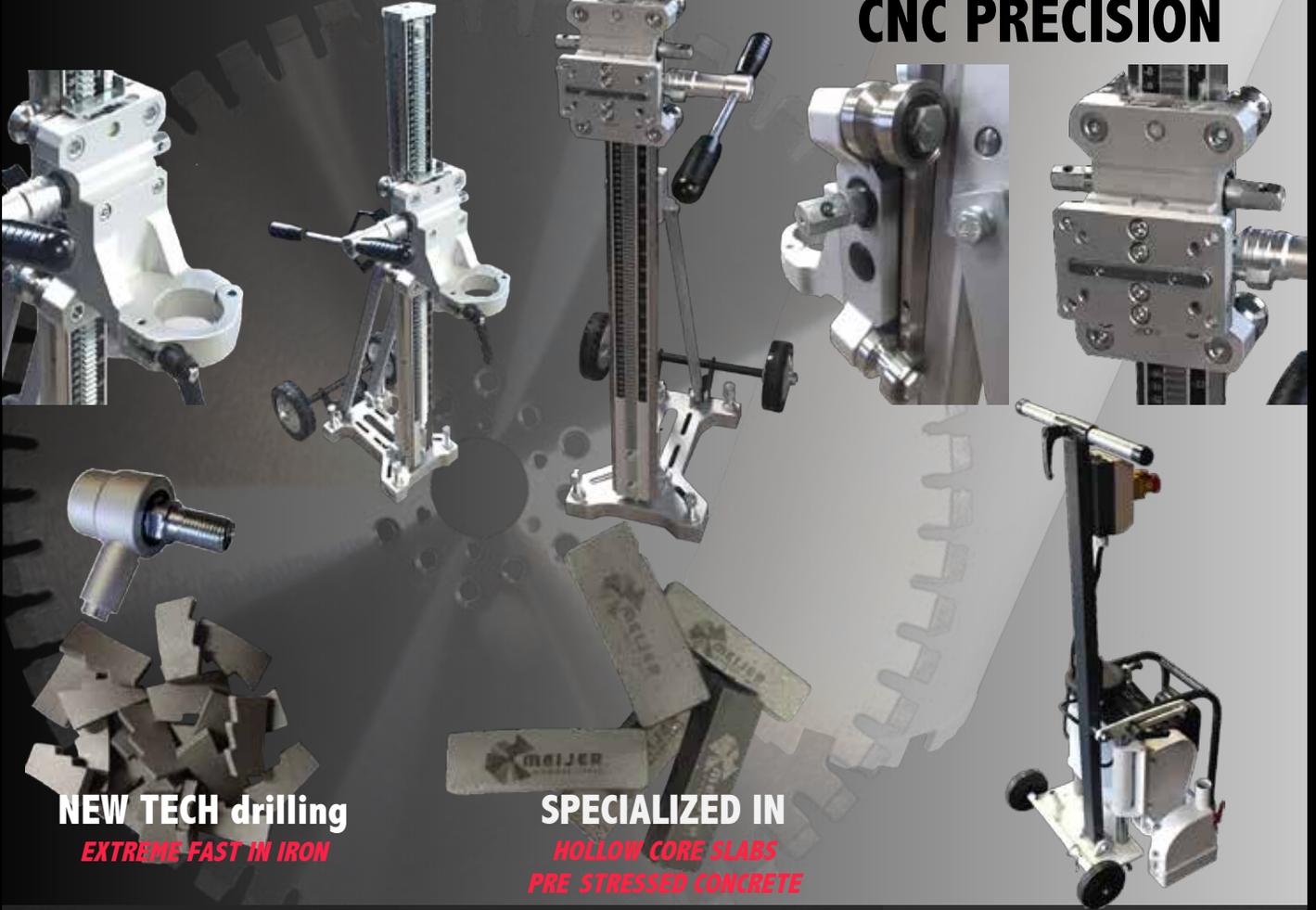
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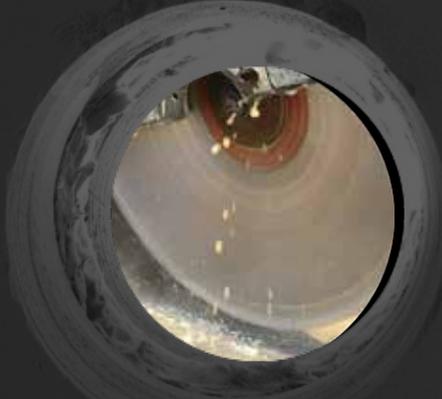
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New Super Compact Models of Dynaset HG Hydraulic Generators

Dynaset's new Super Compact hydraulic generators are now available. The hydraulic generators are up to 95% smaller than diesel generators with equivalent power, providing more room for tools and other equipment. In addition, the new models produce the best electricity quality due to automatic voltage regulator combined with automatic frequency control. Dynaset provides hydraulic generators with a power range of 3.5-350 kVA with outstanding reliability and the most compact size alongside with worldwide support.

The six new standard 60Hz models operate in the power range of 4.9-50.9 hp (3.7-38 kW). The more powerful models are available by request. The Super Compact hydraulic generator models have NEMA 3 rating. Most of the standard generator models produce steady 240 VAC electricity. Standard models of 4.9-hp and 8-hp (3.7kW and 5kW) are available at 120 VAC. Dynaset can also adjust the voltage by a customer's preference.

Twelve new 50 Hz standard Super Compact models provide 3.5-80 kVA of power. The hydraulic generators have an automatic voltage regulator built-in starting from the power rating of 6.5 kVA and above.

The Super Compact HG 3.5kVA hydraulic generator is smaller than the previous model and it is 4.4 lb (2kg) lighter. The 3.5kVA 50Hz model uses a new type of hydraulic motor which is also included in a 3.7kW 60Hz model. The key improvement of the new HG 3.5kVA model is its much-improved hydraulic requirements. The hydraulic generator requires only 4.7 gpm (18 lpm) of hydraulic oil flow instead of 6 gpm (23 lpm) as in the previous model. The new model can be installed on machinery with a limited hydraulic output for example small platform lifts.

The new 19kVA Super Compact model is 35% smaller than the previous equivalent model, and has the best power-to-size ratio in the world.

The completely new 26kVA Super Compact model is new for its model class. At 2.7 ft3 (.077 m3), it is 90% smaller than a typical equivalent diesel generator. The size difference is significant. One equivalent diesel generator takes as much space as ten pieces of HG 26kVA hydraulic generators.

Dynaset is even more competitive when comparing HG 35 kVA hydraulic generator to a diesel unit. Its 3.17 f3 (.09 m3) size is 95% smaller than a comparable diesel generator.

www.dynaset.com

GSSI Showcases StructureScan Mini XT

GSSI came to the recent World of Concrete show with a full display that included its StructureScan™ Mini XT all-in-one concrete inspection GPR system, the Palm XT miniaturized GPR antenna for the StructureScan Mini XT, and the industry-leading compact UtilityScan® GPR system.

The rugged, compact, and flexible StructureScan Mini XT is ideal for locating rebar, conduits, post-tension cables, and voids. The Mini XT can help identify structural elements, including pan decking and concrete cover, and can also provide real time determination of concrete slab thickness. The Palm XT antenna is a miniaturized GPR antenna designed to greatly enhance the capabilities of the StructureScan Mini XT. The handheld Palm XT antenna turns a basic Mini XT into an advanced system by giving users unparalleled access in tightly spaced areas and enabling overhead scanning.

www.geophysical.com

Brokk Offers New Darda Multi Cutter Attachment for Steel Cutting



Brokk, the world's leading manufacturer of remote-controlled demolition machines, offers a new steel cutting tool for

mid-size Brokk machines. The MC300 Multi Cutter, manufactured by Brokk's sister company, Darda, offers the highest cutting force with low weight. It promotes safe and efficient cutting of steel material, utility lines and cables in a variety of industries, including demolition, soft gut/surgical demolition, remediation, construction and nuclear. The MC300 can be used on Brokk 200 and 300 models. Weighing in at only 639 lb (290kg), it still has a cutting force of 60 tons (590 kN). The MC300 also features a hydraulic 360-degree rotary drive for exact positioning and a 14-in (36cm) jaw opening to handle a variety of metals. The design also allows operators to sharpen rather than replace jaws. Combining the MC300 Multi Cutter with a Brokk machine provides several benefits. Hard-to-reach areas become accessible thanks to the Brokk machine's remote capabilities and arms that extend as far as 21.3 ft (6.5m). Add the MC300's cutting power, and contractors have an effective, solution for reaching and cutting supply lines, pipes, cables, and steel beams that would otherwise be difficult to reach. This maximizes efficiency and minimizes labor costs. The MC300 enhances safety by eliminating the need for workers to climb scaffolds and ladders with handheld tools or to use torches for cutting steel. This reduces the risk for falls, fire hazards, and exposure to harmful emissions.

www.brokkusa.com

CAMS UTM 1500-3 Now Available in US-Canada Edition

CAMS new UTM 1500-3 recycling plant has now complied with U.S. safety regulations. This performing mobile crushing and recycling plant is among the firsts developed by Italian company Cams more than 20 years ago and it is now available also for the North American market. With a 279-hp (208kW) John Deere engine, the UTM 1500-3 can produce up to 200 tons per hour at constant efficiency. Despite the power of this shredder, it is compact and ultra-light for easy road and container transport. Another feature is the multi-color lighting system that provides the operational status indication of the plant. CAMS plants are designed for efficiency, minimizing negative environment impact. They use hybrid technology to reduce fuel consumption. CAMS products have been made in Italy since 1964, and the company is today a leader in aggregates recycling. The Italian company is the developer of a particular system of hydraulic fingers that help to reduce big size material and avoid the loss of the material from the hopper during the process as well as permitting to recycle a greater amount of waste. With nine ranges and 24 available models and countless customization solutions, it offers a complete choice of plants to shred, screen and recycle asphalt, construction and demolition waste, glass and aggregates. The availability of Industry 4.0 enabling technologies allows CAMS plants to be interconnected with its owner's machine network. A built-in GPS makes it possible to check the plant's location and status, and run diagnostic functions remotely using a PC or mobile app.



KPI-JCI and Astec Mobile Debut New Products

Kolberg-Pioneer (KPI) used Conexpo to introduce its first hybrid FT4250CC horizontal shaft impactor plant equipped with a pre-screen. The new two-deck pre-screen minimizes the amount of undersized material that passes through the chamber, reducing wear costs and increasing the amount of final product by up to 30%. The hybrid power option allows producers to operate using either line power or diesel fuel for added flexibility. KPI also featured its 2742 Pioneer® jaw crusher, which features unique shaft and bearing assembly designs for easy troubleshooting, reduced maintenance and a twenty percent greater capacity than competitive models.

Nearby, Johnson Crushers International (JCI) is exhibited the latest addition to the Kodiak® Plus cone crusher line, the K350+. This new model features increases in drive train, stroke, horsepower, weight, head diameter, and hold-down force, resulting in up to 10% more capacity compared to other similar-sized cones. Completing the trifecta, Astec Mobile Screens introduced its new Ranger™ line, comprised of compact, track-mounted units. The mobile line will include a variety of jaw crushers, cone crushers, impact crushers, incline screens and trommels to serve a variety of markets including building and construction, landscaping, quarry operations and plant, and tool hire. Their ease-of-use, ease-of-transport, versatility, and flexibility make them ideal for smaller operations that require powerful equipment with a limited footprint.





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Mecalac Introduces Versatile and Innovative TA3SH Power Swivel Site Dumper

Mecalac introduces the TA3SH Power Swivel Site Dumper for increased versatility and safety on jobsites. The site dumper is part of the TA3 range, which is designed for the small to medium jobsite, and is particularly useful in crowded or confined areas.

Like all Power Swivel site dumpers from Mecalac, the TA3SH is designed to deliver superior versatility and performance, especially on confined jobsites, such as housing developments or landscaping projects. The TA3SH is 13 ft (3.95m) long and 6.1 in (4.41m) wide. The Power Swivel technology features forward and swivel tipping mechanisms, allowing the load to rotate 90 degrees on either side before being tipped. This reduces the need to move equipment, enhancing productivity.

The Mecalac range of Power Swivel site dumpers features payload options from 1 to 10 tons. The TA3SH's payload capacity is 6,613 lbs (3,000 kg), making it ideal for industries such as concrete, landscaping and urban construction.

All Power Swivel site dumpers feature a heavy-duty locking device. This keeps the skip facing forward while on the move and is just one of many features that ensures Mecalac Power Swivel models provide the highest level of safety.

Featuring state-of-the-art operator technologies, Power Swivel site dumpers set the standards for equipment innovation and performance. Available technologies include Start/Stop Control, Capture and Hazard Detection. Start/Stop



Control improves on-site safety, minimizes fuel consumption and increases service intervals by automatically starting and stopping the engine in predetermined conditions. Capture is Mecalac's innovative telematics solution, allowing rental centers and site managers to monitor unit location, distance traveled and hours completed each day. Hazard Detection uses a microwave radar to provide flawless obstacle detection, further increasing safety on jobsites.

Each Power Swivel site dumper meets the latest emissions compliance standards, and to avoid DEF- and DPF-related costs, engines are rated at under 25 hp (18.6kW). All models are equipped with Tier IV engines.

In addition to the Power Swivel line up, Mecalac offers Power Tip and High Discharge site dumpers, providing a solution for almost any application.

www.mecalac.com

New Products from Husqvarna and HTC

Husqvarna Construction Products is lining up a number of new products during the first quarter of 2020. First up is the eight-model PG series of floor grinding machines. The range starts with the compact PG 540, featuring a split-chassis design that makes it easy to handle and operate. Next is the versatile PG 690, which is also available in remote control and propane-driven versions. The top-of-the-line

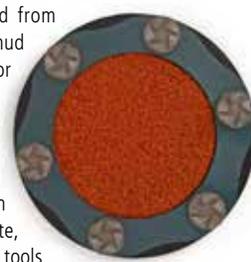
adjustable weights (optional) can be added for extra grinding pressure.

The Husqvarna Hipertrowel line for concrete floor polishing has been upgraded with new

life on this types of surfaces. Husqvarna is also launching three new ride-on trowels—CRT 60 X, CRT 48, and CRT 36, which were acquired from Wacker Neuson. Three new mud guards have been developed for the three trowel models, making the wet polishing process easier.

Husqvarna's HTC brand launched the propane-driven Duratip XP6 at World of Concrete, as well as the new XX3 and XX4 tools to grind extra hard concrete qualities.

For contractors looking for a really durable drill motor that doesn't compromise on performance, Husqvarna introduces the new DM 400 and DM 430 – single-phase 3.2 kW electric drill motors, combining typical Husqvarna usability features with a new level of sturdiness. They are also the first Husqvarna drill motors to be equipped with Embedded Connectivity.



PG 830 is the largest and most powerful model. It is also available as the PG 830 RC, with remote control and motorized drive for maximum performance, and the PG 830 S, with single drive.

The new range stays true to the unique and proven Dual Drive Technology™, but more powerful motor options pave the way for even higher productivity. The PG 830 and PG 830 RC feature a 20-hp (15 kW) for up to 36% more power than previous models. Integrated

metal bond Hiperflex TRW LongLife tools. The tools are developed for soft and abrasive concrete and gives longer

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The future belongs to women. That much is obvious. Already today there is not a single profession in which women haven't successfully equaled or surpassed men. Even traditionally male-oriented industries such as concrete sawing and demolition cannot buck the trend, with women in these businesses now equally good at steering both excavators and companies. Brigitte Peterson, the President of GSS International is a living example of it. Andrei Bushmarin reports.

Located in Citrus Heights, Calif., GSS International is a sales and service outfit that represents Baier Tools - a worldwide recognized manufacturer of concrete cutting and drilling systems based out of Stuttgart. Baier is currently represented in some 60 countries all over the globe, with North America being one of its most profitable overseas markets. This is a direct result of the tireless efforts Brigitte Peterson and her team have been putting into promoting the German company on the American continent.

Winning German Bodybuilding Championship

Born in 1960 in Ludwigshafen, an industrial city in Germany, Peterson has had sporting blood running through her veins since day one. In her twenties, she won the German bodybuilding championship and finished third in Europe-wide competition. It was also thanks to the sport of squash that she met her future collaborator Thomas Schwab, the general manager of Baier Tools.

When her sporting career started to wind down, Peterson moved into business, taking up various managerial positions, mostly associated with sales. With her winning personality, she never had any problem connecting with people, which is a key quality in a salesperson.

'Going out West'

In 1990, Peterson married an American and moved with him in the U.S. She had a string of various jobs there, but a wholly new chapter in her career began in 2015 when GSS International was established as a Baier Tools sales channel. It was her first encounter with concrete sawing and drilling but, as anybody from the industry will tell you, people come into this business from all walks of life.

Peterson's extensive sales experience came very handy in her new role as CEO and sales manager for the U.S., Canada, and Mexico. Her first-hand knowledge of both the German and American mindset was another factor in the rapid growth of the fledgling company, with GSS standing for "German Solutions for Success."

Asked if she ever felt any negativity from her male peers, Peterson says that it was exactly the opposite - all the people she has met so far in the industry have been very encouraging and supportive. She believes that no woman should be afraid of choosing a career in construction as most are born communicators, with the industry being all about communication and interpersonal skills.

Four Strong Sales Forces in the U.S.

Although the offering of a high-quality reliable product is a prerequisite for any successful supplier of construction machinery, it is the after sales service and support that makes all the difference. According to Peterson, this is particularly evident in the U.S. where people are used to top-notch service.

At the moment the Baier brand is better recognized on the West Coast, which is probably related to the fact that GSS is based in California. The most sought after Baier machines include the 11-blade channel cutter, dry coring system and a range of mixers. To spread awareness about Baier solutions, the GSS team (which consists of four sales people besides Peterson) exhibits at every World of Concrete trade show and regularly arranges and attends open-house events across the continent.

www.gss-intpro.com



Part of the GSS team at World of Concrete.



Brigitte won the German bodybuilding championship and finished third in Europe-wide competition.

MEET OF A WOMAN



Birgitte Petersen together with Baier Tool's Thomas Schwab.

Demolition in Mark Kozelek's Ålesund



The small Norwegian city of Ålesund may be best known from the American singer/songwriter Mark Kozelek's song, written not long after he visited the city. Ålesund is a very nice fishing village and is also believed to be the location where first Vikings set out on their journey to discover Iceland, Greenland, and North America. But more, recently Europe's biggest demolition contractor AF Decom carried out a downtown demolition job.

The contractor Idungården AS assigned AF Decom with the task of demolishing a six story office building which also contained stores on its bottom floor. Idungården is also the developer of the new Pir project on the lot, a new innovation center, creative meeting point, and Ålesund's first co-working space.

First renovation then demolition

"We started interior sanitation and demolishing of easier constructions in January and completed these tasks in February 2019," says AF Decom project manager Kenneth Eikrem. "Initially, the idea was to renovate the entire building, but the constructor chose to demolish the entire building after some time. After a long application

period we got the permission to demolish at the end of June and mobilized our machines and equipment in the beginning of July. The demolishing work was completed in the middle of August."

Powerful team and equipment

In total, 12 people worked during the sanitation phase and five people in the machine demolishing phase. They used a Volvo EC 480 with a 28 m long demolition boom together with a Cat MP 30/MP 324 concrete pulverizer and hydraulic breaker, demolition, and sorting grapple and a number of buckets.

The project team also used a Liebherr R 936 with Cat demolition and sorting grapple. All of the demolition debris was delivered to a recycling station. Heavier debris, such as concrete and foundation bricks, was reused as filling masses on the site. According to plan, an adjacent gas station which shared a wall with the demolished office building remained complete unscathed after the successful demolishing. During the project, Ramudden helped out with redirecting the traffic as the site were located in downtown Ålesund.

"The project was carried out right in Ålesund center with the city's most trafficked road on the south side", says Eikrem.

Heavier demolishing was also conducted during the liveliest time of the year, where, aside from traffic, there is also a large number of tourists from the cruising ships

by the embankment nearly 1,000 ft (300 m) from the worksite. The job was carried out without damages to staff or equipment and without a single complaint from neighbors or others in the city.

"The closest neighboring office expressed sheer enthusiasm over the opportunity to get 'front row seats' and follow the whole process," Eikrem adds



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Epiroc Introduces Combi Cutter 1600 Hydraulic Attachment

Epiroc has introduced the Combi Cutter 1600 hydraulic attachment to the U.S. market. First unveiled at the Bauma show in German, the CC1600 model for carriers in the 13-23 ton class offers greater stability with considerably lower weight than previous versions, yet



gives the same impressive performance with high crushing force and short cycle times that users expect from Epiroc cutters.

Like other models in the Epiroc Combi Cutter family, the CC1600 offers lower cost of ownership and outstanding durability and reliability thanks to a number of enhanced design features. These include optimized jaw and main body design, the inverted design of the hydraulic cylinders, enhanced bearing protection, wider and more robust bearing points, and strong protection for the crushing teeth on the Universal versions.

The CC1600 has a stable cutter body that features two powerful hydraulic cylinders with integrated speed valves for shorter cycle times and, thus, lower fuel consumption. Fully protected by piston rod guards, the cylinders deliver virtually constant closing force, which remains high even when the jaws are almost closed. Two jaws moving independently eliminate displacement forces on the cutter and the carrier, ensuring controlled demolition of unstable concrete walls, regardless of which jaw attacks the material first. Optimal positioning and precise handling are ensured by 360-degree endless hydraulic rotation.

The Coupling and Positioning System, CAPS, makes it easy to switch jaw types on-site to suit the work in hand. The cutting blades of all versions are reversible and replaceable.

Two jaw versions are available for the CC1600: the Universal version (U) and the Steel cutting version (S). The U-version is ideal for light- to medium-duty building demolition and heavy-duty industrial demolition (heavily reinforced concrete). The S-version is specifically designed for cutting steel profiles in general steel structures. Both versions are efficient tools for secondary reduction and material separation.

www.epiroc.com

Dymatec Makes a Splash at World of Concrete

Dymatec's entrance at World of Concrete 2020 was a huge success, with momentous interest from a wide audience of concrete cutting companies seeking a superior choice of product. As well as presenting our renowned SDF range of layered diamond products, there was also a full display of our controlled demolition equipment, and the new DDC650 hydraulic chainsaw and range of power packs.

Many companies took advantage of the "Dymatec Vegas Deals" that were on offer with significant savings on all diamond consumables. Planning is already underway for 2021 with some exciting new equipment becoming available.

www.dymatecusa.com



Liebherr USA, Co. Showcased Machines at Demolition Austin

Liebherr USA, Co. Construction Equipment division were once again at the National Demolition Association's Live DEMOLITION event at this year's annual convention. Liebherr featured three machines at this hands-on event – the R 946 LC and R 936 LC crawler excavators and the LH 22 M mobile material handler – as well as the L 556 XPower wheel loader.

The R 946 is the perfect machine for either second- or third-member demolition tools, with a hydraulic system that makes for easy transitions. At the push of a button,



www.liebherr.com



the summation of the bucket hydraulics and additional auxiliary hydraulics needed for a second member shear is done. The R 946 also features casting in all high stress areas to reduce the risk of failure in heavy demolition applications.

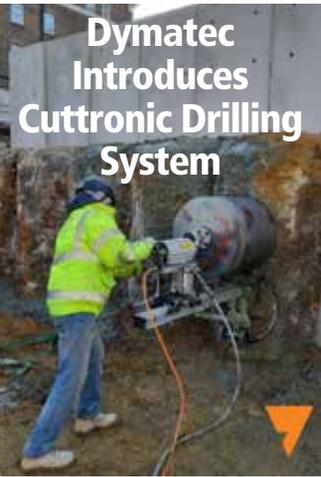
The R 936 crawler excavator weighs 38 tons, making it one of the biggest reduced tail swing excavators available in the market. It is also designed for working in small spaces. With a tight swing radius, this machine is ideal for urban and bridge demolition applications that require precision. This machine can be outfitted with demolition guarding that protects the machine super structure and cylinders.

The LH 22 M crawler excavator has a compact design, which makes it well suited for deployment on demolition sites. The latest engine and hydraulics technology, developed in-house by Liebherr, is built in on the LH 22 M Industry to deliver exceptional fuel efficiency outstanding material handling performance. Its reach of 36 ft (11m) is further enhanced by a variety of optional attachments that complement the machine's power and performance in every application.

Equipped with the innovative XPower driveline, the L 556 XPower wheel loader delivers quick working cycles, high tipping loads and high machine uptime, which lead to increased handling capacity and higher productivity. The XPower driveline with Liebherr-Power-Efficiency achieves up to a 30% reduction in fuel consumption when compared to conventional travel drivelines. At highest efficiency, this reduces operating costs and increases profitability. The XPower driveline brakes automatically and the service brake acts only as a support and is subject to minimal wear.

Wheel spin on the L 556 wheel loader is prevented through continuous tractive effort control of the XPower driveline, combined with automatic self-locking differentials. Productivity is increased and tire wear reduced by up to 25%.

The L 556 XPower has safe and easy engine accessibility for daily checks. Critical maintenance points on the loader can be reached quickly, providing faster turnarounds and higher uptimes. And with a width of 9.6 ft (3m), length of 30 ft (9m), and weight of 27.5 tons, the machine's profile is designed for the necessity of road transport.



Dymatec enters the high-performance core drilling market with the introduction of its Cuttronic drilling system. Key features include brushless ISRC-drive™ technology that offers 13.4 hp (10kW) nominal output mechanical power on three phase 400V. The drill motor provides easy cutting of concrete up to a 39-in (1,000mm) diameter with up to 442.5 lbf (600Nm) of torque. With three gearbox options to choose from and a choice of drill column heights, the system has been designed for deep drilling and large-diameter holes.

The system's mechanical output power and efficiency is said to exceed that of hydraulic and high frequency core drill motors, and is quick and easy to set up as an external power pack is not required. A CM10AF automatic drilling version with a remote control option. will be available later this year.

The final addition to the range, to be added soon, is a modular wire and wall saw that will provide the professional user with a completely new concrete drilling and cutting experience.

www.dymatecusa.com



shows



The US Mega Show, Conexpo-Con/Agg, Back Again!

The Association of Equipment Manufacturers' mega-show Conexpo-Con/Agg will be held March 11-14 at the Las Vegas Convention Center. Here's an overview of what to look for in the areas of demolition, concrete cutting, recycling, and remediation.

Conexpo was founded in 1909 in Columbus, Ohio. And the first CON/AGG was held in Detroit, Michigan 1928. In 1968 the two shows merged, with their first joint exhibition was held in Las Vegas.

Conexpo-Con/Agg has gone on to become among the world's largest shows for the construction and construction materials industries, second only to Bauma in Germany.

The U.S. construction industry is experiencing a sharp upturn. The infrastructure has been neglected for a number of years and the need to upgrade is great. Federal, state, and local governments are investing heavily in road and bridge work, and there's hope that more will come. This type of effort will not only benefit the large construction and civil engineering companies, but many smaller companies will also benefit as subcontractors.

Same numbers as in 2017?

The starting field at Conexpo-Con/Agg is bigger than ever with almost 2,800 exhibitors, with more expected. Although the fair has a strong domestic character with over 75% American exhibitors, it is also an important marketplace for many foreign manufacturers, especially from Europe and East Asia. About 25% exhibitors and manufacturers come from countries other than the U.S.

In 2017, 128,000 people visited the five-day show. Whether the coronavirus will affect attendance remains to be seen, but so far, indications are that turnout will remain good. That said, the U.S. has already had a busy trade show schedule this year, starting with World of Concrete which tends to be more focused on concrete equipment and lighter

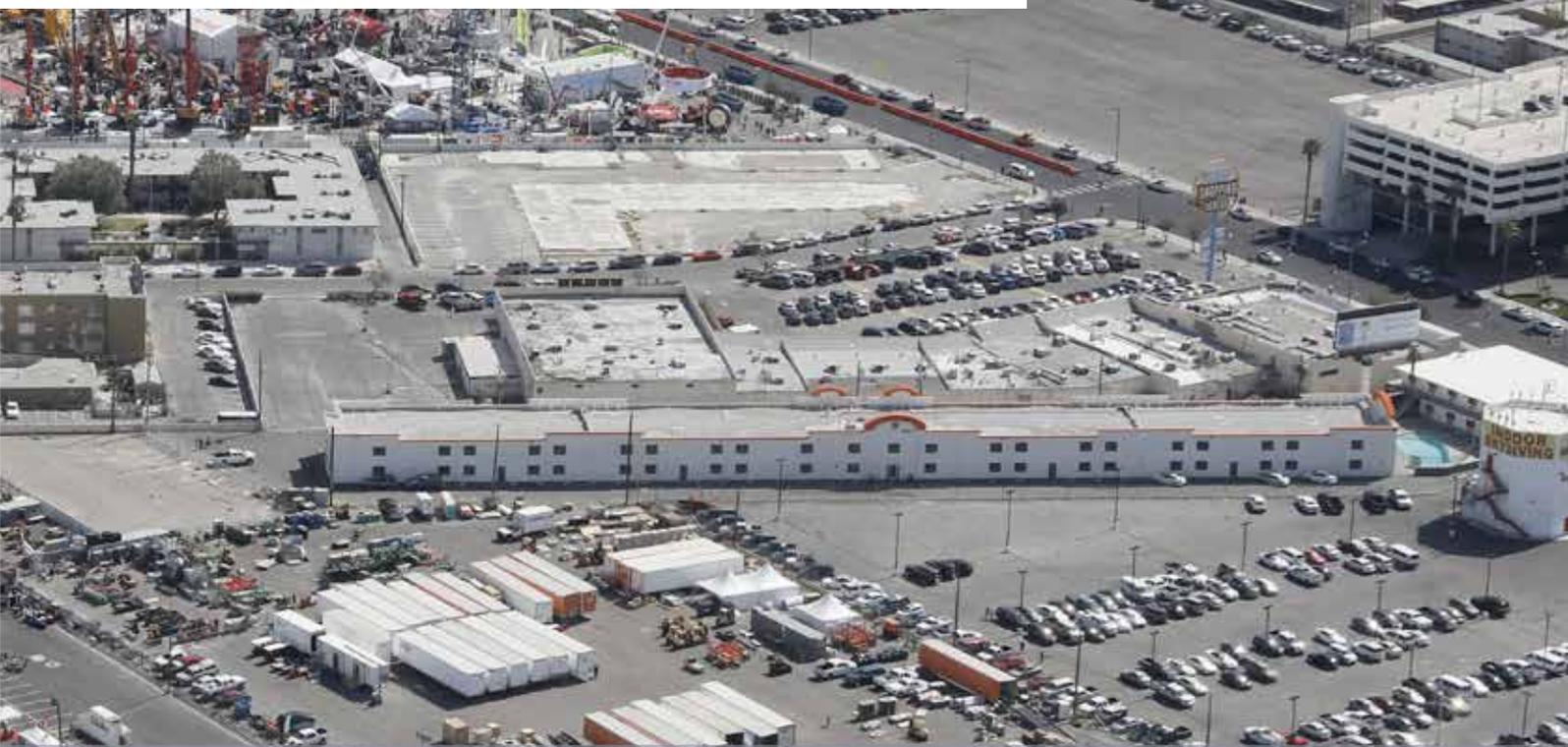
machines. Conexpo-Con/Agg, on the other hand, has a clear focus on the heavy artillery of machine and tools. It is quite clear that in years when Conexpo-Con/Agg is organized, the World of Concrete loses both exhibitors and visitors. That was the case this year too, which you can read about on pages 42-47.

Other U.S. shows have included the National Demolition Association's Demolition Austin event, and the American Rental Association's annual show. Needless to say, contractors may be running low on travel funds. Then again, the opportunity to see the western hemisphere's widest range of construction equipment and related products and services in the always-exciting land of Las Vegas is a hard proposition to pass up.

Speaking of travel, there are more construction trade shows on tap as 2020 unfolds. A couple of weeks after Conexpo-Con/Agg, the pan-Europe Samoter will be organized in Verona, Italy. Samoter is similar to Conexpo-Con/Agg but is considerably smaller. At present, 450 companies have chosen to exhibit at the show.

PDa Magazine will have a team of reporters circulating Conexpo-Con/Agg the whole show week, so feel free to say hi and maybe pose for a photo. Enjoy Conexpo-Con/Agg 2020 and Las Vegas.

www.conexpoconagg.com

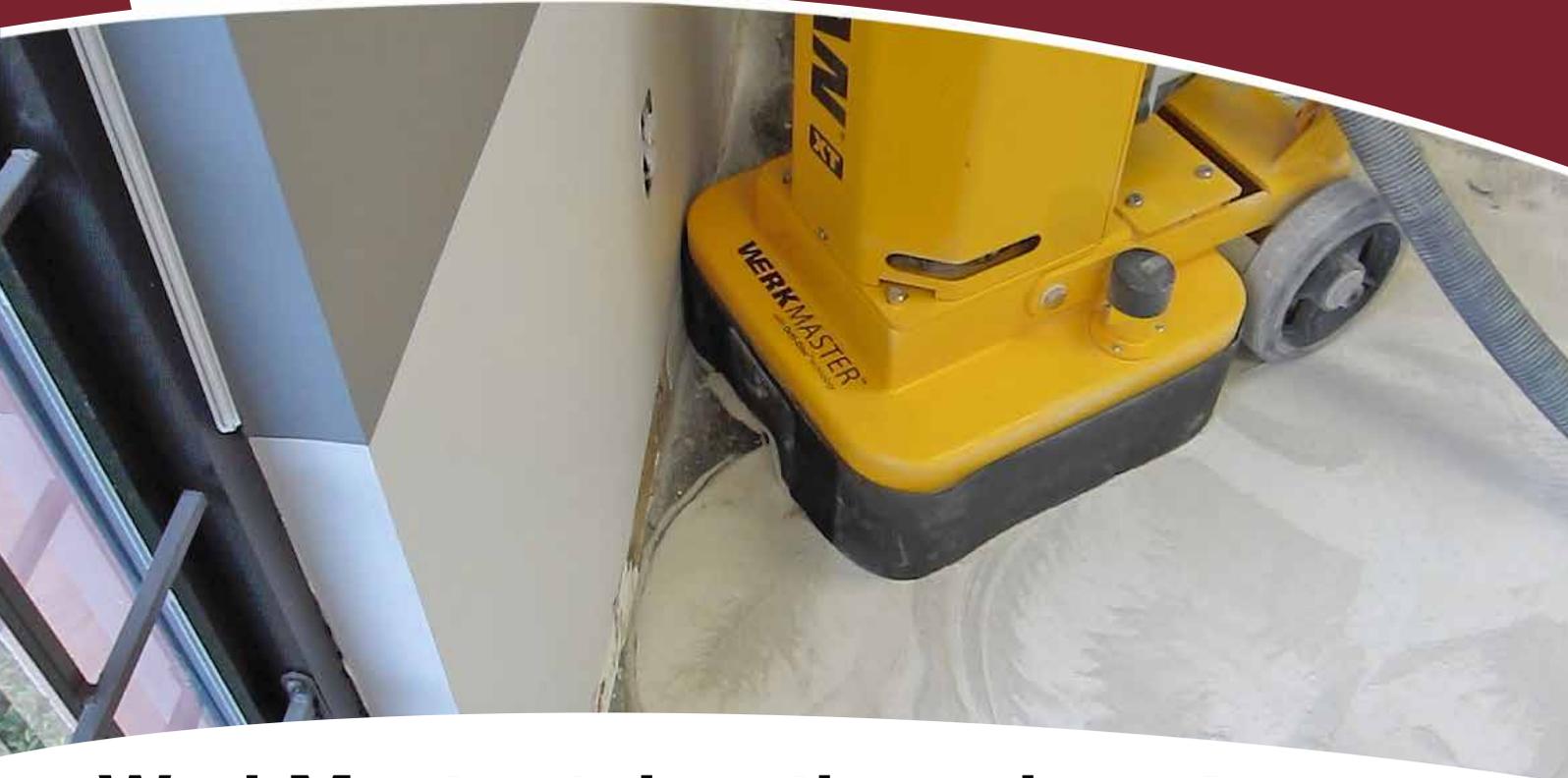


Date: March 10-14, 2020

Show Hours

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Selected List of Exhibitors in the PDa scope

ABI Attachments F-101923, Festival Hall	Bell Equipment North America, N-11601, North Hall	Darda GmbH S-63356, South Hall 1-2	Hilti Inc S-63207, South Hall 1-2
Allen Engineering Corporation S-60938, South Hall 1-2	Belt Tech Industrial B-93613, Bronze Hall	DEUTZ Corporation S-85231, South Hall 3-4	Husqvarna Construction Products North America B-8401, Bronze Lot
ALLU Group Inc C-20326, Central Hall 1	Best Hammer Industries F-3163, Festival Grounds	Diamond Blade Warehouse S-63819, South Hall 1-2	Inan Makina San.Ve Tic. A.S. BL-536, Blue Lot
American Eagle Manufacturing BL-249, Blue Lot	Blasters, Inc. - Ready Jet S-63807 South Hall 1-2	Diamond Chain Company N-10867, North Hall	INDECO North America Inc C-20453, Central Hall 1
AMI Attachments Inc. F-7732, Festival Grounds	Boart Longyear BL-218, Blue Lot	Diamond Speed Products S-62417, South Hall 1-2	INTERMAT 2021 GL-10978, Grand Lobby
Ammann America Inc. S-5254 Silver Lot 1-2	BossTek B-9606, Bronze Lot	Diamond Z S-5778, Silver Lot 1-2	IROCK Crushers LLC C-32937, Central Hall 3-5
Anaconda USA C-31875 Central Hall 3-5	Breaker Technology C-30336, Central Hall 3-5	Dieci United States, LLC F-2879, Festival Grounds	John Deere Construction / Hitachi Construction N-12525, North Hall
ANMOPyC GL-12287, Grand Lobby	Brokk Inc F-101901, Festival Hall	Doosan Bobcat N-10001, North Hall	Keestrack C-32953, Central Hall 3-5
Antraquip Corporation C-20869, Central Hall 1	Brunner & Lay C-31819, Central Hall 3-5	Dynaset Oy F-1548, Festival Grounds	Kinshofer North America F-2732, Festival Grounds
Antraquip Corporation C-20871, Central Hall 1	Buffalo Turbine S-6825, Silver Lot 3	Dynatect Manufacturing, Inc. B-93718, Bronze Hall	Kobelco Construction Machinery F-8338, Festival Grounds
Antraquip Corporation F-7189, Festival Grounds	Cangini Benne s.r.l. C-20441, Central Hall 1	Eagle Crusher Company Inc C-31045, Central Hall 3-5	KPI-JCI and Astec Mobile Screens C-30336, Central Hall 3-5
Aqua Blast Corporation B-93818, Bronze Hall	Canycorn USA Inc C-20671, Central Hall 1	Element Six B-91127, Bronze Hall	Liebherr F-5258, Festival Grounds
Association of Equipment Manufacturers, GL-20401 Grand Lobby	CASE Construction Equipment N-11825, North Hall	Engcon North America F-2764, Festival Grounds	Link Manufacturing Ltd F-101919, Festival Hall
Astec Australia C-30336, Central Hall 3-5	Caterpillar Inc F-4455, Festival Grounds	EPIROC C-20405, Central Hall 1	Link-Belt Cranes F-5211, Festival Grounds
Astec Industries Inc C-30336, Central Hall 3-5	Caterpillar Inc N-10647, North Hall	Everdigm Corporation S-5054, Silver Lot 1-2	Lippmann Milwaukee Inc S-5205, Silver Lot 1-2
Astec, Inc. C-30336, Central Hall 3-5	China Construction Machinery Association GL-31901, Grand Lobby	Fogco B-90522, Bronze Hall	LiuGong Construction Machinery, F-6781, Festival Grounds
AUTEC North America C-23000, Central Hall 2	China Construction Machinery GL-31901, Grand Lobby	Furukawa Rock Drill USA C-20304, Central Hall 1	Magni Telescopic Handlers SRL F-3459, Festival Grounds
Avant Tecno USA F-3768, Festival Grounds	CM Labs Simulations F-100911, Festival Hall	Geith N-12567, North Hall	Magnum Attachments Inc C-20940, Central Hall 1
bauma 2022 GL-12596, Grand Lobby	Construction & Demolition Recycling Association GL-12083, Grand Lobby	GEM Attachments/TRM Manufacturing, F-100318, Festival Hall	MB Crusher America Inc C-31913, Central Hall 3-5
bauma China GL-12596, Grand Lobby	CORMACH S.r.l. F-3780, Festival Grounds	Genesis Attachments C-20926, Central Hall 1	MB Crusher America Inc S-5003, Silver Lot 1-2
bauma CTT RUSSIA GL-12596, Grand Lobby	Cormidi USA BL-155, Blue Lot	Hatz Diesel of North America, S-84106, South Hall 3-4	McCloskey International Ltd S-5405, Silver Lot 1-2
Bedrock Attachments F-100725, Festival Hall	Crusher Rental & Sales Inc C-32788, Central Hall 3-5	Hidromek F-7526, Festival Grounds	

Merlo (Applied Machinery Sales)
F-5681, Festival Grounds

RUBBLE MASTER S-5643
Silver Lot 1-2

Merlo (Applied Machinery Sales)
F-5785, Festival Grounds

Sandvik Mining and Rock Tech-
nology S-5249 Silver Lot 1-2

Montabert/TRAMAC
N-12766, North Hall

Sany Heavy Industry Co Ltd
F-7826 Festival Grounds

MSB Corporation
F-3170, Festival Grounds

Sensors & Software Inc
S-65731 South Hall 1-2

Nakayama Iron Works, Ltd.
S-6420, Silver Lot 3

Soilmec North America / Watson
F-1748 Festival Grounds

National Association of Women
in Construction
GL-10982, Grand Lobby

STANLEY Infrastructure
N-11101 North Hall

National Attachments Inc
F-3671, Festival Grounds

Steelwrist Inc.
F-2868, Festival Grounds

NPK Construction Equipment Inc
C-20926, Central Hall 1

Superabrasive, Inc.
B-9003, Bronze Lot

Oilquick
F-2876, Festival Grounds

Talbert Manufacturing Inc
F-5504, Festival Grounds

Okada America, Inc.
C-30053, Central Hall 3-5

Tramac Corporation
N-12567, North Hall

PRINOTH
C-22231, Central Hall 2

Trevi Benne SPA
F-3176, Festival Grounds

PRINOTH
F-3263, Festival Grounds

US Hammer, Inc.
B-9109, Bronze Lot

Quick Attach Attachments, LLC.
F-100619, Festival Hall

Volvo Construction Equipment
F-3432, Festival Grounds

Ramco Construction Tools, Inc.
S-63107, South Hall 1-2

VTN Europe S.p.A.
S-5372, Silver Lot 1-2

REMU USA, Inc
F-1548, Festival Grounds

Wacker Neuson Corporation
F-2548, Festival Grounds

Rototilt Inc.
F-6482, Festival Grounds

Zoomlion Heavy Industry Science
& Technology Co., Ltd
B-7001, Bronze Lot

RUBBLE MASTER
S-5449, Silver Lot 1-2

Zoomlion Heavy Industry Science
& Technology Co., Ltd
F-6270, Festival Grounds



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MB Crusher

Tour of the construction and MMT trade fairs



It began in January and will continue all year. It's the MB Crusher tour, a journey that will go through the main fairs in the construction and earthmoving sector, many will have a live-show with the Made in Italy units at work.

The machines represent affordable solutions for the construction site, solutions to reduce costs, solutions that generate directly from the construction site necessity, from the requests of operators who were looking for a way to reduce the costs of disposal and transport of material, fuel and personnel. Solving real issues is the motive behind the design of the MB Crusher units, with the creation of a crushing system to be applied to the heavy equipment machine already available on-site. A solution that today has also developed into a sieving, milling, handling and selection systems, also applicable to excavators, loaders, skid steers and backhoe loaders.

Because innovation is the trigger for growth. When in a construction site it is feasible to crush, screen, demolish, separate and recycle the material with innovative solutions, then it is considered competitive in terms of revenue and also in terms of the circular economy.

With MB Crusher, the construction site becomes innovative: it is recycled on the spot reusing the crushed material, the use of mechanical means, the transport and management costs are reduced, the problem of landfill disposal is eliminated, the crushed material is produced on its own to the desired size.

MB Crusher's tour has already made stops at World

of Concrete in Las Vegas, Aquibat 2020 in France, and back to Vegas for Conexpo. The next stop is Verona, Italy, for Samoter 2020 March 21-25. The triennial international exhibition dedicated to the world of construction machinery represents the most important appointment in Italy for a sector that, according to the latest data available from the SaMoTer-Prometeia observatory, exceeded \$2.4 billion in exports in the first 11 months of 2017.

Then it's on to Saragoza, Spain, for Smopyc 2020, the Salón Internacional de Maquinaria de Obras Públicas, Construcción y Minería, April 1-4. After a few weeks for our crew to catch its breath, it's back on the road for Scotland 2020 April 24-25, the IFAT 202 fair in German May 4-8, and Bauma CTT in Russia May 26-29.

Then the tour will continue through the rest of the year in cities and towns around the world. To find out full details, follow MB Crusher at www.mbcruiser.com, and on our Facebook, Twitter, Instagram, and LinkedIn pages.



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The world's first battery driven diamond core drill system.

Milwaukee's Paradigm Shift

An innovation the industry thought was years away is here in 2020 with Milwaukee Tools' release of the world's first battery powered professional diamond core drilling, a full-size power cutter for reinforced concrete and a powerful jackhammer.

To date, batteries have only been suited for small tools, or so it was thought. Among concrete cutters, demolition contractors, those who work with heavy handheld cutting machines or chisel hammers, the prospects for battery operation and lighter machines were good due

to the units' size and weight. Milwaukee Tools, owned by Techtronics Industries, has changed perceptions with a major product launch designed for core drilling with diamond tools in reinforced concrete up to a diameter of 5.9 in (150mm), as well as a battery-operated power cutter for blades with a diameter of 13.7 in (350mm), and a battery-operated chiseling machine.

New MX Fuel Series

A new and revolutionary series, Milwaukee MX Fuel, delivers many benefits including zero-emission machines and includes a battery powered lighting mast along with a battery powered drainage machine. The series has no exhaust fumes, starter cord and start-up hassles, gasoline/oil mixture, or engine maintenance, yet provides the same power as gasoline and cord powered construction machines but with less weight. In addition, the equipment can be used indoors in enclosed spaces without the risk of fumes.

All machines in the MX Fuel Series are powered with the same battery, the "Max Fuel RedLithium" battery. This has been patented with unique features such as protection against fall damage, vibration, water and extreme temperatures. The battery is equipped with "RedLink" electronics that allow the battery, machine, and charger to communicate with each other to create optimum performance and battery life. Its high performance and high-quality lithium-ion technology has been developed in close collaboration with the world's leading battery cell developers and tested at Milwaukee Tools' own battery laboratory.

Milwaukee has two battery sizes for the MX Fuel Series with both batteries fitting all machines in the series.



First battery driven heavy-duty jack hammer in the world.



First full size battery driven power cutter in the world.

The largest, the MXF XC406 has a capacity of 6.0A/h and can be fully charged in 90 minutes. It is equipped with battery indicator, RedLink technology, and is compatible with Milwaukee's digital "One-Key" system to facilitate tracking, handling, and customization in the workplace. The smaller battery, the MXF CP203, has the same characteristics, and can be fully charged in 45 minutes, with capacity of 3.0A/h as well as a MXF C charger. All products in the series are equipped with a carbon brushless "PowerState" motor, RedLink Plus electronics, and RedLithium batteries. They are also compatible with the One-Key system.

MXF COS350 MX Fuel power cutter

This is the world's first handheld battery operated power cutter for 13.7 in (350mm) blades with enough power to cut reinforced concrete, starting in a few seconds, with cutting beginning immediately. Should something happen that risks user safety, such as the machine hitting the face, the "RapidStop" function stops the blade immediately, with a blade guard cover preventing blade exposure.

The machine has 'petrol powered performance' with a maximum speed of 5,350rpm and 4.9-in (125mm) cutting depth. The machine is quiet with low vibrations and well-balanced weight. It has a tool-free burst cap and

built in wet cut tubing compatible with Milwaukee's M18 "Switch Tank" water spray tank, which is also battery operated with no pumping required. The machine is equipped with safety features that prevent use in the wrong direction, simply switching off before anything happens. When the machine is switched off, the blade stops immediately and does not stand and spin as with a gas-powered cutter. It may be accompanied by Milwaukee's recently launched new blade series trolley.

MXF DSD150 MX Fuel diamond drill

What is said to be the first battery powered diamond core drill system, which is capable of drilling holes up to 6 in (152mm), has also been introduced. This has a considerably shortened set up time, making core drilling easier. Performance is the same as for cord-powered machines and drills both dry and wet, with the machine having two gears with laser etched speed and capacity markings on the metal housing. Speed 1 is for up to 3 in (75mm) diameter wet and dry drilling at 1,600rpm; Speed 2 is up to 5.9 in (152mm) drilling at 800rpm. The machine is equipped with an



"Autostop" clutch, which provides protection thereby preventing overstraining if

the drill is stuck. Other features include a spirit level sensor, built-in pressure gauge to optimize speed, built in battery indicator and built in stroke connection compatible with the M18 "Switch Tank" with a battery powered water pump. The drill mount fits most core drills with a friction disk, enabling easy core drill replacement. The machine fits most drill racks, but Milwaukee has also developed its own, MXF DR255TV with a 2.4 (60mm) collar. All machines are equipped with carbon brushless motors, with an auto feed to be expected in the near future.

MXF DH2528H MX Fuel jackhammer

Milwaukee's new battery-powered jackhammer provides high impact energy with lower vibrations than hammers with cord, gasoline or pneumatic power. With a 1.1-in (28mm) chisel, the 55-lb (25kg) machine can handle 39 ft (12m) of chiseling per charge. The hammer is well suited for tough demolition work, even indoors in confined spaces thanks to zero emissions. "Floating Body" anti-vibration technology makes it



Easy battery exchange.

possible to work all day without being exposed to harmful vibrational damage. The service life of the jackhammer corresponds to cord-driven machines and is highly service friendly, with a service light indicating when grease should be added.

MXF TL MX Fuel lighting mast

Effective and powerful lighting in the workplace is an obvious necessity on construction sites. There is a plethora of suppliers but many light sources are powered by diesel or gasoline and cannot be used indoors. Milwaukee's new battery-operated lighting tower is lightweight and quickly set up in the workplace. It is equipped with "TrueView"



high-definition light source for both directional and area lighting. The lamp elements can be adjusted in different directions, while two large wheels allow the tower to handle tough terrain. Set-up time is only a few seconds with the mast being able to be raised up to 10 ft (3.10m) and being able to withstand wind speeds of up to 34 mph (55kmh).

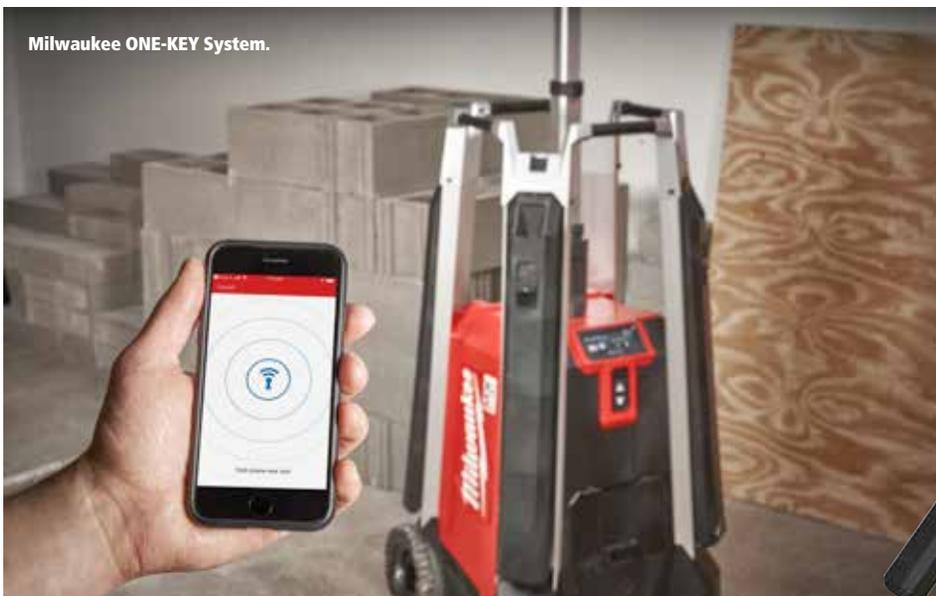
And more battery-operated news

Another new release is the M18 FCOS230-0 concrete cap that can be used with blades up to 9 in (230mm). Also new is the M18 FMS305-121 cutter/gear saw, the M18 FN18GS-202X diving gun, and the M18 ONEPD2-502X drill machine. There's also a new M18 ONESX-0 "tiger saw" that Milwaukee was the first to launch, and new M18 ONESLS-0 plant lighting. More battery-powered machines will be launched later this year.

www.milwaukeetool.com



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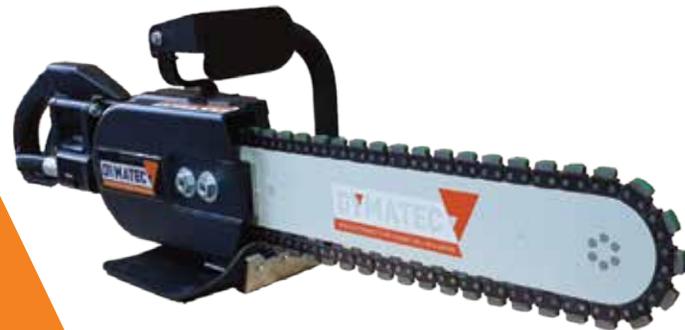
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HUDDY DIAMONDS Keeps Business

In the concrete sawing and demolition industry, one trend is becoming increasingly apparent: the Eastern and Middle European companies are steadily catching up with their Western counterparts. Having mastered every aspect of machine and tool making after decades of 'private label' work for the industry's heavyweights, mid-European players are now entering the global market under their own banners. Prague-based manufacturer Huddy Diamonds s.r.o. is a poster child for this trend. Andrei Bushmarin reports.

Prague is much more than just a capital city; rather it is a country unto itself. A drop-dead gorgeous, vibrant and liberal-thinking town, Prague is the Czech Republic's "Rome to where all roads lead". But, apart from being a tourist Mecca and a treasure trove of architectural and artistic delights, Prague is also a home to many businesses, including Huddy Diamonds.

South African background

Huddy Diamonds's story began in 1990 when Petr Dukat and Vasco Kunft met in Prague, around six months after the 'Velvet Revolution'. A diploma engineer, Petr Dukat had been involved in the gas pipeline industry for a short while after his graduation. Vasco Kunft, who had been living in South Africa in the 1980s, returned to the "new Czechoslovakia" looking for business opportunities. When the two got together for a brainstorming session in Prague they decided to make use of their South African connection. And



Vasco Kunft and Petr Dukat in 2002 after more than 10 years of partnership.

one of the things that South Africa is most known for is diamonds. Vasco Kunft had a friend named Charles Eltringham working for a company in Johannesburg that had manufactured diamond tools for construction and mining applications since 1946. So diamond tools that was, said the partners. Thanks to Charles Eltringham's unwavering support in Huddy's formative years and Petr's and Vasco's perseverance, their joint venture proved to be a success.

DiaKat: in-house range of surface prep machinery

Thirty years down the road, diamond tools for construction, stone and glass-cutting industries still account for roughly a half of the Czech company's turnover. Huddy assembles them at its 700m2 facility on the outskirts of Prague, using its own steel cores and diamond segments from third parties.

Trading in various cutting and drilling equipment was another important business area for Huddy since day one. In 2003, the company upped the ante even further by beginning to manufacture

its own line of surface preparation and road rehabilitation machinery under the brand name 'DiaKat'. Despite Huddy's modest size, the manufacturer has its own R&D department headed by diploma engineer Petr Klima that is responsible for designing the machines. The DiaKat range currently consists of floor grinders, bush hammers, crack chasers and hot air lance burners. According to the manufacturer, the range's biggest star is the RK-10 crack chaser - a compact and lightweight machine equally suitable for road maintenance and surface preparation tasks. Accommodating 4 to 12.5mm thick blades, the chaser can also be used as a small floor saw.



The machine range: DiaKat - Huddy's in-house range of surface preparation and road rehabilitation machinery.

DIAMONDS

Business In Czech



Jiri Fejt, Export Manager with Huddy Diamonds, showing some of the DiaKat surface preparation equipment.

Company with a lion's heart

Today Huddy Diamonds is a small-sized flexible manufacturer with a strong focus on road-rehabilitation and surface preparation machinery. The company is also a distributor for Boart Longyear drilling equipment in Czech Republic and Slovakia. Since 2004 all its manufacturing and business administration processes are governed by the ISO 9001:2000 standard. Since 2007 Huddy is a staple hall A1 exhibitor at Bauma as well. That said, the management feels that big trade shows like Bauma work better for major brands while smaller players should focus on more direct marketing and sales techniques. Commitment to quality and high resilience in challenging times are Huddy's defining values. They say about themselves "they have a lion's genes". Well, it might just as well be true.

www.diaikat.eu



"Diamond tools for construction, stone and glass-cutting industries still account for roughly a half of Huddy's turnover";

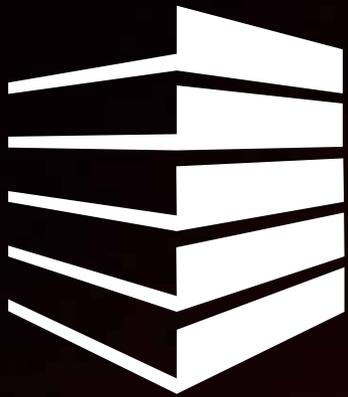
Established in Europe, eyeing UK and North America

With a track record spanning almost three decades, Huddy Diamonds is now a pretty well recognized brand in Europe, both in its Eastern and Western parts. The European sales network extends from the neighbouring Slovakia, Poland, Hungary and Germany, through Netherlands and France, all the way to Italy, Spain and Scandinavia. In the home market of the Czech Republic and Slovakia, the manufacturer often deals directly with end-users whereas further afield it prefers to sell through local distributors. Currently Huddy's short-to-mid term plans include expanding into the UK and North American markets. Once this task is accomplished, there will be the turn of India and the Middle East countries.



shows

WINDS O



WORLD OF CONCRETE®

It was a breezy week in Vegas, as World of Concrete warms up contractors for a busy 2020 construction year.



OF WOW!

The 2020 edition of World of Concrete more than held its own in its triennial role as an industry “warm-up” act for Conexpo-Con/Agg. Indeed, were it not for the calendar, one might imagine that it was largely business as usual at the Las Vegas Convention Center’s mid-winter assemblage of all things concrete and masonry.

According to World of Concrete’s organizers, this year’s show attracted approximately 54,000 registered professionals—up 4,000 from the last Conexpo year in 2017—and more than 1,300 exhibitors, 19% of which were first-timers.

Sure, that might have made for a little more elbow room than usual as one navigated the exhibit halls and the blustery, yet always buzzing outdoor demonstration area. But World of Concrete 2020 was anything but “scaled down,” boasting numerous product debuts from manufacturers eager to present their latest innovations to an audience that was as hard-core concrete-focused as they come.

Some of the first announcements came from Husqvarna, which got started on its vow to introduce 35 new products by June with a new eight-size line of electric- and propane-powered planetary grinders. They range from the 3-hp (2.2kW) PG 540 to the top-of-the line 20-hp (15kW) PG 830, which is also available in remote-control

and single-drive versions. Husqvarna’s stand also featured the PG 400 gas-powered 16-in (400mm) single-disc floor grinder, designed to be matched with the equally new T 4000 gas-powered dust extractor. For drillers, there were the DM 400 and DM 430 single-phase 3 hp (2.3 kW) electric drive motors, designed for core bit diameters





of 2 to 14 in (55 to 30 mm) and 4 to 18 in (100 to 450 mm), respectively.

The trend toward bigger floor polishing systems was evidenced by Husqvarna's Hipertrowel, a ride-on machine designed for new and existing floors larger 5,000 ft² (464m²).

Nearby, Superabrasive had added a similar trowel-to-grinder/polisher to its Lavina product line, with the propane-powered 1,389-lb (630 kg) LP36, with four-blade 185 rpm rotors. At the other end of the Lavina grinding spectrum was the new 14-in (356mm) electric L14E grinder, with speed settings of 400 to 1,000 rpm.

Power and productivity on the move

While the surface preparation market appears to be gravitating toward size extremes, "cordless" seems to underscore most new offerings from tool manufacturers. DeWalt debuted its DCH614 60V MAX -3/4 in (44.4mm) SDS rotary hammer, which the company says provides 7.7 lbf (10.5 J) and 380 rpm for all types of concrete. The DCH614 also boasts a Constant Speed Control feature that maintains rpm speed regardless of bit size or depth, and wireless communication with specially equipped DeWalt dust extractors such as DCV 60V.

Hilti likewise expanded its cordless lineup with the TE500 A36, a 12.3-lb (5.6kg), 36-volt version of its corded counterpart that the company says delivers 5.58 lbf (24.8 N) and 3,300 impacts per minute. The tool is also ideal for chiseling applications, covering 61 in³ (1,000cm³) per minute, and can be used with the BC 75 cordless vacuum, which is light enough to be worn backpack-style for greater mobility.

Many other cordless tools were on display, including Bosch's 18V CBH 36 C and 45 C, both of which are powered by the company's new 8 amp-hour battery with a 45-minute recharge time. Makita is adding to its already expansive product inventory with the 18V X2 brushless 9-in (228.6mm) power cutter, and 18V LXT brushless power scraper, both of which will be available this spring.

Of course, all that drilling will require some tough bits, which is why Diablo brought its new Demon SDS-Plus and SDS-Max 4-cutter full carbide head hammer bits for concrete with rebar applications. Nearly 80 different bits make up the Demon line; sizes for SDS-Plus bits range from 5/32 to 1-1/8 in (.787 to 28.575 mm), while the SDS-Max ranges from 3/8 to 2 in (9.5 to 50.8 mm).

Battery innovations weren't limited to tools. Vacuworx demonstrated its new battery-powered PHD portable vacuum lifting system that weighs just 25 lbs (11 kg), yet can lift up to 2,500 lb (1,134 kg). True to its name, the PHD is equipped with smart features like a remote control, 12V 30 amp-hour lithium battery, and dual-pump design to build vacuum power faster.

World of Concrete visitors also got to see some more literal new product roll-outs. Bobcat released its R2 series E42 and E50 compact excavators with features such as an integrated lift eye to handling objects, more accessible auxiliary hydraulics connections, and an optional clamp diverter valve for enhanced hydraulic clamp functionality and attachment operation. Bobcat's R series also includes the T76 compact track loader and the S76 skid-steer loader. Both models feature longer and stronger lifting arms for greater capacity, plus a one-piece cab for better noise suppression.

Across the aisle, Doosan displayed its DX62R 6t reduced tail swing mini-excavator that the company says fills a niche in its RTS offerings. The DX62R also provides 4 in (101mm) of additional digging depth, and factory-installed quick-coupler lines.

The biggest big equipment debut may well have come from Case, which announced a complete relaunch of 13 compact track loaders and skid steers as the B Series. All feature updated electrical and hydraulic systems, new operation and environmental controls, and updated Tier 4 technologies to eliminate the need for diesel particulate filters. Case's five compact track loaders range in size from 2,700 to 4,500 lbs (1,225 to 2,041 kg), and 74 to 90 hp (55 to 67 kW); the eight skid steer models range from

1,600 to 3,400 lbs (725.7 to 1,542 kg) and 60 to 90 hp (45 to 67 kw).

Meets and greets

Some of World of Concrete's newest faces were on hand to introduce themselves, even if their products are well-established. At the booth of hydrodemolition manufacturer Conjet, representatives of the firm's new leadership team welcomed both customers and the curious.

"Hydrodemolition "is a superior way to deal with concrete removal," asserted Peter Ankerst, a member of ownership group. He added that the company plans to, "put energy into developing a new generation of machines."



Conjet's new CEO Robert Kreichberg, a former HTC executive, recognizes that building awareness is the new leadership team's top challenge. "We know we have some work to do," he said, "but we feel this is a good market for us."

That will also mean competing with its niche-mate, Brokk-owned Aquajet, which is working on allaying concerns about hydrodemolition's water resource issues with its EcoClear® filtration system designed to treat wastewater generated by its high-pressure robotic machines for reuse, storage or release back into the environment.

Speaking of Brokk, it's a rare U.S. trade show when the remote control demolition machine maker doesn't have a product to spotlight. This year it was an attachment—the BCP planer for removing material from walls, floors, and ceilings for cleaning, renovation and restoration applications. The three models in the BCP series are specially designed to work with Brokk remote-control demolition machines and offer up to seven times the speed of handheld options while providing greater precision and safety for operators.

Elsewhere on the show floor, Australian-owned Makinex continued its rollout of mobile generators with a new 23kW 480V unit that provides concurrent e-phase and single-phase operation. Weighing 420 lb (190.5 kg), the constant-duty generator can operate for approximately 10 hours on 12 gallons (45.4 liters) of gas. Makinex's line of portable battery-powered generators, introduced at last year's World of Concrete, is currently undergoing redesign, according to a company spokesman.

Diamond Vantage displayed its new TS400 tile saw, with a 2-hp (1.5kW) motor for cutting through larger materials up to 2.25 in (57mm) thick. At 65 lb (29.5 kg), the saw is highly mobile, and includes features to help reduce vibrations.

World of Concrete 2020 continued its longstanding tradition of providing products that, for lack a better term, are just plain neat.

At Metabo, there was the VB16Y battery-powered rebar bender/cutter, which can cut or bend #3, #4, and #5 to pre-set or adjustable angles. Depending on rebar thickness, the company says the 39.7-lb (18kg) machine's blades can make up to 5,000 cuts. Metabo has also adapted its MFE 40 wall chaser tool from Europe for US applications, such as installing security systems in stores or cutting channels for slip-resistant edges on stairs.

Stihl's battery-powered GTA 26 garden pruner may not be suitable for rebar, but the 3.1-lb (1.4kg) mini-chain saw with its 4-in (101mm) guide bar is ideal for trimming brush away from a job site. Stihl is also the latest equipment manufacturer to introduce an asset management system. Designed to function with any tool that generates magnetic flux, regardless of manufacturer, the Bluetooth-enabled system currently provides operational data to plan maintenance schedule and make more efficient use of tools in the fleet. Will be expanded to include anti-theft and other capabilities, according to a company spokesperson.

And because everyone needs a good knife, OLFA presented its new MXP-L and MXP-AL die-cast aluminum utility knives. The MXP-L features OLFA's classic ratchet locking mechanism, with an oversized design for greater control, while the MXP-AL's oversized auto-locking mechanism slides to the selected length and stays put. Both knives are fitted with an anti-slip grip that wraps around the back of the tool, and tethering hole at the tool end for easy securing.

Though many may consider Conexpo the true bellwether of the U.S. construction industry's overall health, World of Concrete nevertheless offered many

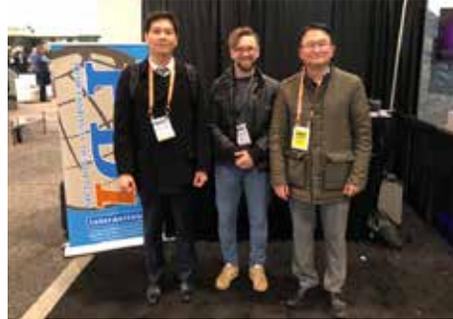


clues about what contractors can expect in the coming months. Most observers are looking for a good first half, with subsequent months hazy given uncertainties such as the U.S. elections, trade disputes, and lingering effects of the coronavirus outbreak.

There's no shortage of optimism with World of Concrete's organizers. Nearly 500 companies have already booked space for the 2021 edition, reserving a total of 530,000 net ft² (49,238 m³), nearly 77% of the WOC 2020 show floor. Conexpo 2020 may well have a tough act to follow...and precede.

www.worldofconcrete.com







Variable Frequency Drive: Unmatched Versatility in Dust Suppression via Atomized Mist

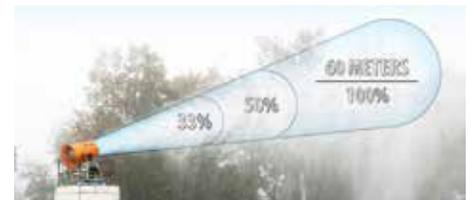
In a move designed to bring unparalleled versatility to its lineup of highly-successful dust suppression equipment, BossTek has introduced an optional Variable Frequency Drive (VFD) system that allows users to adjust air flow to suit a broader range of applications and working environments. Driven by customer input from a number of different industries, the new VFD system reduces the need to purchase or rent different models to match the machines' output to specific project requirements, delivering greater flexibility and reducing the total cost of equipment ownership. The VFD control will be available via a simple dial or remote control on three of the company's DustBoss models: the DB-30, DB-45 and DB-60. All three use specialized nozzles and a ducted fan design to atomize the water flow into droplets 50-200 microns in size, which is the optimum for most dust control applications. Matching the droplets to the most common particle sizes delivers the greatest opportunity for them to collide and fall to the ground.

"In some applications, a high air flow speed is a distinct advantage, delivering a long throw," says BossTek Sales manager Mike Lewis. "But in others, the speed and volume may be a disadvantage. Now users can dial in the speed and throw distance as their requirements change. The variability will range from just a few RPMs up to the maximum delivered by each model."

Another example would be concrete curing, where atomized mist has proven successful in controlling humidity for maximum strength of the finished product. On airport runways and other large projects, the 60-meter throw distance may be desirable, but on smaller pours, contractors may want to dial it back to a fraction of that. With the VFD, they can easily do so, without having to use smaller models. The variable drive is ideal for standalone applications that require flexibility, communications and energy saving options in a cost-effective solution. The modular design facilitates installation and configuration, with

communications options that include a dual-port EtherNet/IP card for networking flexibility. An integral LCD human interface module supports multiple languages and features scrolling text to explain parameters and codes. Flexible motor control options include volts per hertz, sensorless vector control and Economizer mode to suit a wide variety of applications.

www.bosstek.com



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low vibration



low dust



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Demolition tools made in Germany

CORE BUSIN

For many professional contractors, diamond drilling is a core business in every sense of the word. Vertical drilling, horizontal drilling, overhead drilling, stitch drilling is what they do - day in and day out. To stay on top of their game, they need high-performing and reliable equipment. That's where suppliers come to the rescue with their 'latest and greatest' solutions.

Husqvarna expands electric motor range

Sweden-based market leader Husqvarna has expanded its range of electric drill motors with the addition of two single-phase 4.3-hp (3.2kW) models that combine the manufacturer's trademark user-friendliness with increased sturdiness. Featuring a durable aluminium casing, the new DM 400 and DM 430 are designed for heavy-duty applications. Compact design makes the machines suitable for work in confined spaces and narrow corners. The carrying handle, which also functions as an impact guard, is easy to remove for extra clearance in tight areas. The machines boast such familiar Husqvarna features as a LED load indicator, the SmartStart (half-speed) button, and quick coupling to the new Husqvarna DS 500 stand. The three-speed gearbox makes it easy to adjust rpms to the core diameter—2.1 to 13.8 in (55 to 350mm) in for DM 400, and 3.9-17.7 in (100 to 450mm) for the DM 430.

The air-cooled heavy-duty electric motor is built to withstand high loads without overheating. The durable carbon brushes are easy to inspect and replace. To protect the motor and gearbox in case of the core bit jamming, the machines are equipped with two independent systems



— a mechanical friction clutch and the Husqvarna Elgard™ electronic motor overload protection. Both models feature the Embedded Connectivity system, an enhanced version of Husqvarna Fleet Services. It harvests and analyses key performance indicators in the continuous mode.

www.husqvarnacp.com

Shibuya extends the 'Blue-Drill' series

Shibuya, a drilling and cutting machinery specialist based

in Hiroshima, Japan, has added a new coring system to its Blue-Drill series, launched in 2019. The system, intended for up to 9.8 in (250mm) coring jobs, consists of the H2021 electric drill motor and the TS-255 rig. The redesigned motor has a rated output of 4.6 hp (3.4kW), representing a 95% increase in power on the forerunning R2021 model. Tripping has been minimized by adding a high-capacity circuit protector, and the gears have been modernized without increasing the machine's overall weight. The system's other highlights include a built-in on/off switch with motor overload protection, a multi-position swivel water inlet, and a portable residual current device (PRCD) that automatically shuts off electricity in the event of electric leakage. A water collection ring and a set of wrenches and Allen keys are included in the scope of supply. The AB52 swivel base is available as an option.

www.shibuya-group.co.jp

Tyrolit launches a new wet drill drilling system

The new core drilling system DRS250 from Tyrolit-Hydrostress combines the construction simplicity with a large diameter range. Designed for up to 9.8-in (250mm) wet drilling jobs, the system features a powerful 3.3-hp (2.5kW) drill motor and a two-speed oil-bath gearbox for efficient lubrication in every working position and optimal torque-to-speed ratio. The compact and lightweight construction guarantees easy handling and user-friendliness. A mechanical overload clutch and integrated PRCD safety switch allow for operational safety while an optional vacuum plate simplifies the machine setting-up.

www.tyrolit.com



LESS INDEED

An ingenious drilling solution from Fast Verdini

A family-owned company with a track record of over 65 years, Fast Verdini from Italy specialises in manufacturing compact and lightweight equipment for demolition, road-building and general construction applications. Its latest core drilling system, the CT 300, was said to be a showstopper at a construction exhibition in Toronto, attracting a lot of interest from the Canadian audience.

Equipped with a 3.2-hp (2.4kW) three-speed Weka drill motor, with a 3.75-hp (2.8kW) two-speed one as an alternative, the CT 300 boasts an innovative stand assembly that is 360° rotatable both vertically and horizontally. This allows drilling of walls, floors and ceilings from a single position on the floor. The drill motor features a differential circuit breaker incorporated in the power cable and a mechanical clutch to protect internal components. The drill feed is controlled via a hand wheel that can be fitted onto two different pins, which permits the operator to vary the

feeding speed. The system is designed to operate with core bits ranging in diameter from 1.2 to 15.7 in (30 to 400mm).

www.fastverdini.it

Cuttronix is on a roll

Kaskod-Mtronix, an Estonia-based manufacturer of high frequency drilling and sawing machines that made a spectacular entrance at Bauma last year, keeps expanding its range with new machines. The manufacturer's next generation Cuttronix CM-10 drill motors featuring the proprietary ISRCdrive™ technology is designed with high performance, reliability, safety and operator comfort in mind. The new drills can operate in one- or three-phase mode. In the three-phase mode, the motor continues to function even when one of the phases fails. The ISRC-drive™ technology with its advanced algorithms for motor control allows reducing the overall system cost while integrating motor, gearbox, and motor control system in one compact package. The 13.4-hp (10kW) rated output power, with a peak output of 20.1 hp (15kW) combines with the durable changeable spindle gearboxes to allow users to perform any drilling jobs in masonry and reinforced concrete in the .7 to 39 in (20 to 1,000mm) diameter range. The motors feature robust extruded aluminium housing with an IP66 ingress protection rating for use in harsh environments and wide range of working temperatures. Durable metal contactless buttons and switches are dirt- and dust-proof. Integrated safety elements, such as mechanical slip clutch for gearbox protection and overload protection, ensure safety and

increase the motor's lifetime. More innovative core drill models with built-in autofeed system and remote control functions are slated for launch in the first half of 2020.

www.kaskod.ee

AGP unveils a new heavy hitter

Taiwan-based manufacturer of power tools AGP has beefed its portfolio of drilling solutions with a 3.3-hp (2.5kW) three-speed drill motor designed for heavy-duty tasks. Featuring an aluminium housing, the new DM8P is a versatile machine suitable for up to 7.9 in (202mm) wet drilling in various materials. The motor maintains constant speed even under heavy loads allowing for fast and efficient drilling. A built-in LED load indicator permits users to run the drill at optimal efficiency. The Taiwanese manufacturer recommends using the DM8P in combination with the AS200 or S350 drill stand.

www.agp-powertools.com

True innovations from Milwaukee

Milwaukee has brought the professional core drilling industry into a new paradigm by launching the world's first battery driven heavy duty core drilling system. The system is part of the new MX Fuel range which also contains battery driven power cutters, jack hammers, lighting towers, etc. A full report you will find on pages 36-40.

www.milwaukeetool.com



New Vacuum from Klindex

Klindex presents the new Supervak K23 industrial vacuum cleaner, especially designed to vacuum large quantities of dust produced by grinding and polishing machines. The Supervak K23 features three 220-volt motors, a HEPA filter and a high-volume plastic bag. Two large wheels make the unit easy to move.

Thanks to the pre-separator, with cyclone system, more than 90% of the dust is collected into the bag positioned inside the pre-separator drum. When the plastic bag is full, the operator closes it without having to touch the dust.

www.klindex.com



CM Labs Offers Innovative New Training Customization Capabilities

CM Labs has developed an innovative new feature that gives instructors the ability to make changes to training scenarios, and push them directly to operators training on CM Labs' Vortex simulators. Using a tool called the Instructor Operating Station (IOS), which allows trainers to launch and monitor simulator training exercises, instructors can now make changes to exercises on the fly.

For example, trainers can add different objects to the worksite and change the position of vehicles, or simply tailor exercises to individual trainee abilities for even more efficient learning. What makes this possible is the simulation software "under the hood" of the IOS. This software, Vortex Studio, is designed to realistically simulate mechanical equipment and their operating environment, whether for training, or for engineering and prototyping applications. OEMs can also leverage Vortex Studio to make engineering design changes within the software, and push them immediately to a simulator for human-in-the-loop testing. Operating data can also be captured for tracking and analysis. The result is a vast reduction in development risk, and far less reliance on costly field prototypes.

www.cm-labs.com



Scanmaskin Launches New Dust Collector in the World Series Range

The ScanDust 9000 World Series is the largest and most efficient industrial dust extractor by Scanmaskin featuring increased filter capacity and built-in pre-separators. The unique and patented pre-separator separates the dust into two stages and provides up to 90% pre-separation. This means users do not need to clean the filters as often, which provides a longer filter life and less interruptions for maintenance compared to traditional industrial dust collectors. Since the pre-separator is built into the machine, it is always included in the workplace, which means no extra equipment that needs to be handled or transported.

The filter area of the ScanDust 9000 World Series is 45 ft² (4.2 m²) and consists of 32 Teflon coated sock filters and two HEPA 14 filters, each of which provides an extremely high filtration rate of 99.995% and takes care of the very smallest and most dangerous particles despite a very high air flow.

The electric version of the ScanDust 9000 World Series is equipped with a frequency control drive which allows users



to adjust the power and speed depending on the application. The combination of this, together with high filter capacity and high airflow, allows you to connect more machines to the same vacuum cleaner.

The ScanDust 9000 World Series has a height-adjustable cyclone for flexible transport options and is also equipped with solid rear wheels and 7.8-in (200 mm) large swivel wheels for easy handling

in the workplace. The vacuum cleaner is equipped with a filter guard that warns you when you need to clean the filters and a Jet-Pulse cleaning system that easily pulses the filters to keep them clean without having to come in contact with the harmful dust. For simple and dust-free bag replacement, the proven Longopac bag system is incorporated into the SD9000.

www.scanmaskin.com

Talbert Offers Modular 65-Ton Trailer for Optimum Flexibility

Talbert Manufacturing offers the 65SA Modular Trailer. This innovative trailer takes advantage of Talbert's custom-engineering experience to incorporate multiple axle configurations based on customer requirements for optimum versatility. The trailer's unique design features a flip extension to accommodate a tandem- or tri-axle jeep dolly, allowing for maximum load configurations. It can also pair with Talbert's revolutionary E2 or E3Nitro axle extension, which dampens axle movement and controls load transfer. The modular trailer maintains a 65-ton rating at half the deck length with a 16-in (406.4mm) loaded side deck height and 6-in (152.4mm) loaded road clearance.

The 65-ton Modular Trailer is individually engineered for customized axle configurations including 2+3+2, 3+3+2 or other variations. For example, adding a tri-axle jeep allows a 3+3+3 configuration. Featuring 60.5-in (1,538cm) axle spacing, as well as an airlift on axle 3 and a chain lift on axles 1, 2, 4, and 5, the trailer is capable of running with 3, 4, or 5 axles in a row without a booster. The base model offers a 120-in (304.8cm) swing radius with connections for up to 70-in (177.8cm) gooseneck extension and can be custom-designed to provide a larger swing radius if necessary.

Talbert's E2 or E3Nitro axle extension can also be engineered into the design. This

innovative technology uses a combination of hydraulic fluid and nitrogen to equalize axle pressures, providing proportionate weight distribution of each axle grouping. It optimizes the range of suspension movement, which minimizes stress and provides a smooth ride. In addition, the ENitro system features a bearing pivot and pivot lockout for backing the trailer. Users can also hydraulically lock in axle loads regardless of terrain. The E2Nitro comes standard with two-speed dual landing gear for optimal stability when disconnected from the

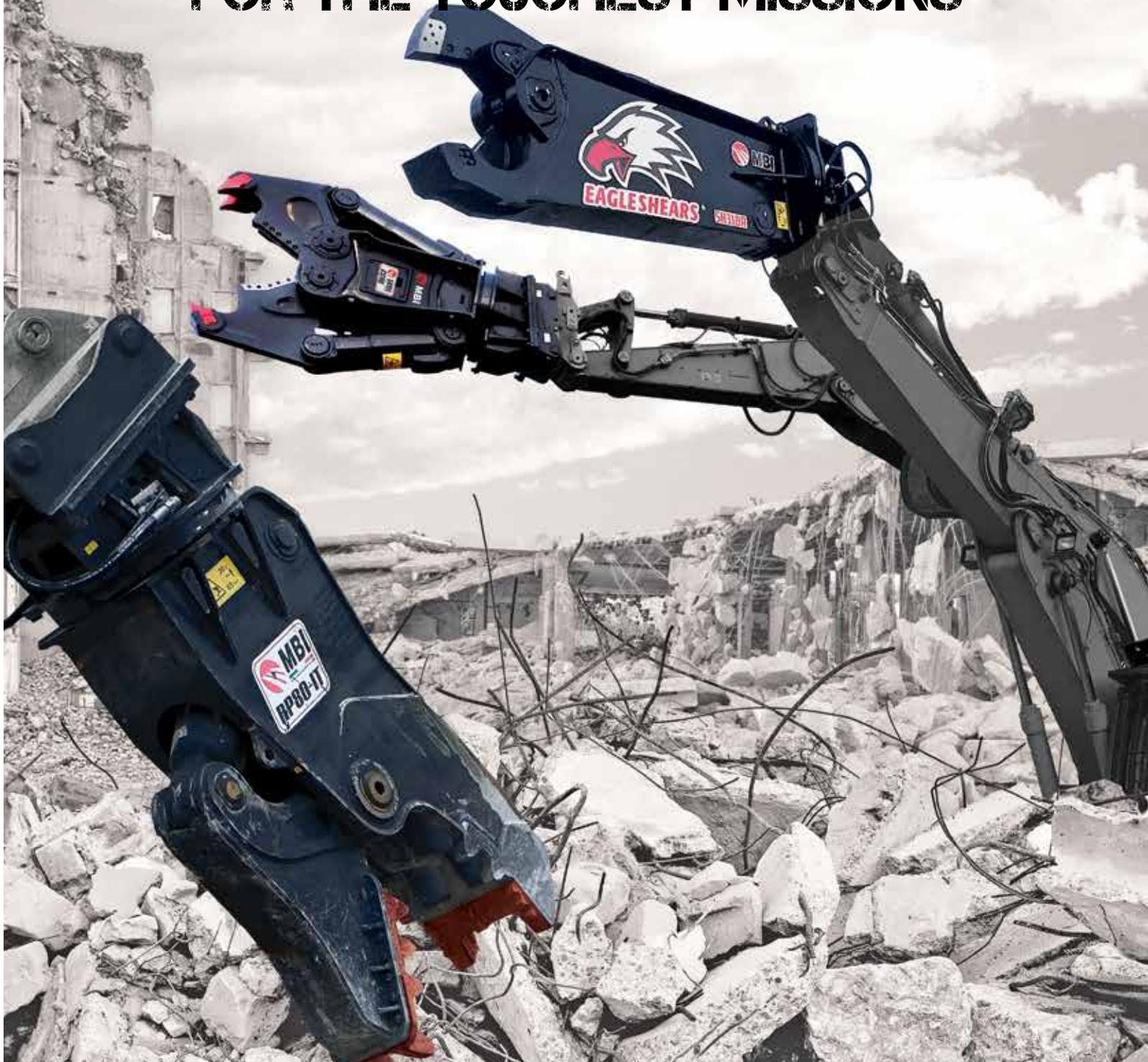
trailer. Offering a 28-ft (8.5m) deck length, the 65-ton Modular Trailer is rated for 65 tons in a 13-axle configuration. Capacity increases to 70 tons in 15 ft (4.6m) with a 4-axle close-coupled configuration. The trailer can also be designed to accommodate an additional 10-ft or 15-ft (3m or 4.6m) section of deck, varying in type from beam to drop side. Like all its trailers, Talbert manufactures the 65SA Modular Trailer with heavy-duty T-1, 100,000-psi (6,895 bar) minimum yield steel for extreme durability and longevity. Talbert trailers are standard with Valspar R-Cure 800 paint to prevent corrosion, offering a long-lasting finish and better return on investment.

www.talbert.com





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We hope to see you in Las Vegas, March 10-14. Booth: F2876.

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