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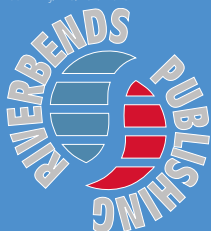
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What A World. What A World.

That was my reaction many years ago when I first heard of World of Concrete. Having worked mainly in the design and engineering arena, I was new to the construction side of things and, understandably unfamiliar with the industry's many trade events. Plus it just seemed like an odd name—"World of Concrete." Why not a more conventional convention name, something along the lines of "Concrete Show" or "Concrete Expo" or "Concrete-o-Rama"? (Of course, I soon learned about Conexpo-Con/Agg, but that's another story.)

It didn't take long to discover that World of Concrete is indeed a pretty big deal, regardless of what it's called. And as noted in our report elsewhere in this issue of PDA, it's a one-of-a-kind event well-suited to the glitz and glamour of Las Vegas. Though I've lost count of how many I've had the pleasure of attending, both the show and the experience of being there have never disappointed.

(A personal history tangent: my first World of Concrete was also my first trip to "Sin City." Thanks to some serendipitous cable TV programming in the preceding weeks, I was brought up to speed through the literal and figurative lens of the original "Ocean's 11," "Diamonds Are Forever," and "Casino." I arrived still very much a rube, but at least not a total one.)

So what makes World of Concrete work, at least for me? For one, like the city, there's a little bit of everything—displays, demonstrations, and always something new or out of the ordinary that restores one's faith in human ingenuity. And unlike trade shows that may look the same from one year and location to the next, you absolutely know you're in Las Vegas, whether

it's exhibitors with over-the-top displays, the preponderance of adult beverage refreshment stations, or the looming skyline of the Strip, with the addition this year of the watchful "eye" of the Sphere.

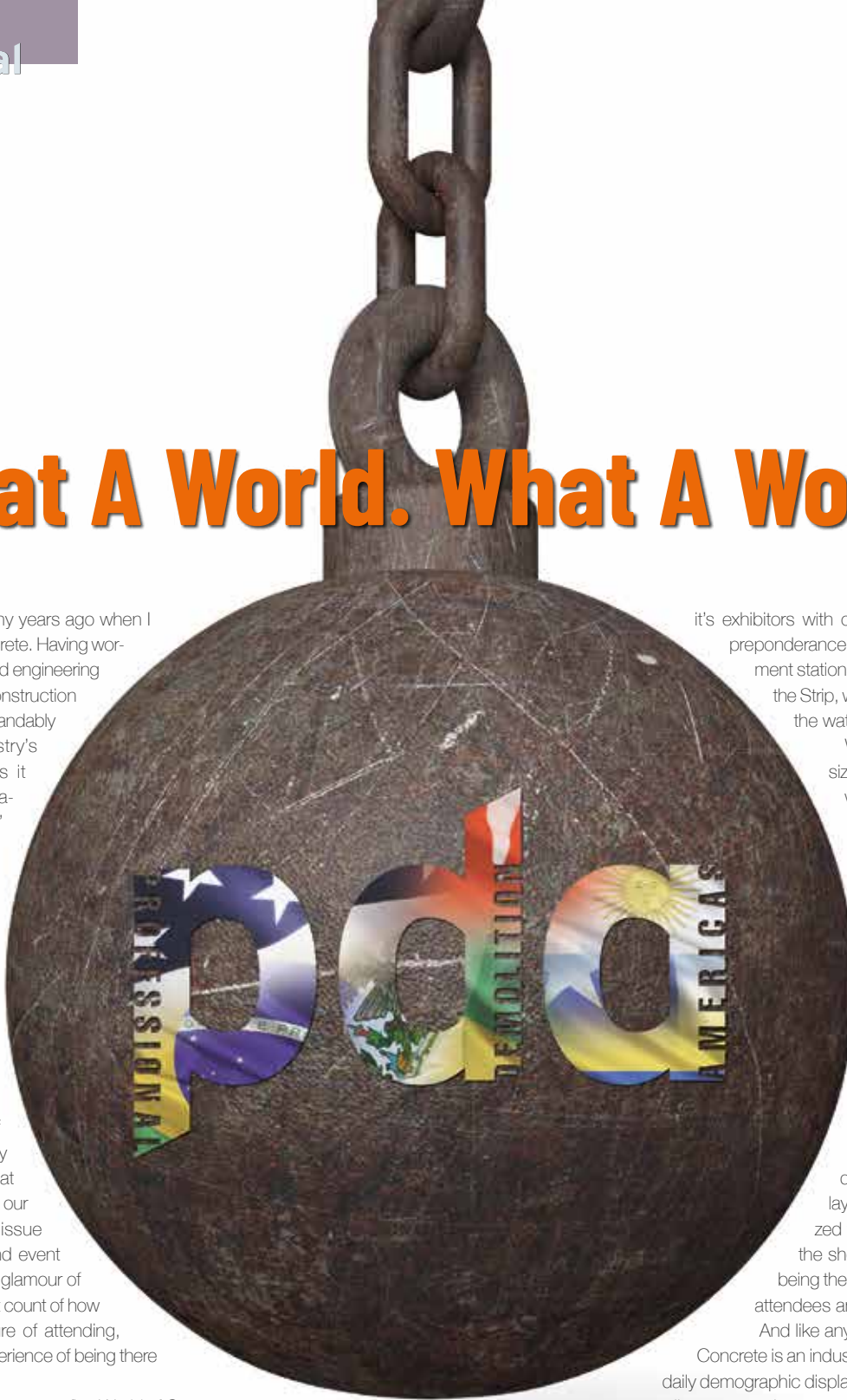
While World of Concrete's size ebbs and flows in step with the economy and other factors, it's just the right size for a two- to three-day visit. A megashow like Conexpo or Bauma truly has "everything"—except unlimited time to see it all. As such, time and footsteps must be budgeted accordingly.

Size also lends an element of resilience to World of Concrete, as evidenced by the COVID-delayed, 2021 edition. Downsized though it may have been, the show soldiered on. And just being there was a badge of pride for attendees and exhibitors alike.

And like any large gathering, World of Concrete is an industry melting pot of sorts—a daily demographic display that has gradually grown more diverse over the years. Yet any chance meeting while assessing a product, waiting in one of the beer lines, or just taking a break to watch passers-by will likely lead to a pleasant chat before participants go their separate ways.

That may well be what World of Concrete is best at—providing all kinds of connections to all kinds of people, regardless of background. And that is what makes the world—any world—go 'round.

Jim Parsons, Senior Editor
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PDa Magazine is pleased to present regular updates from the US National Demolition Association. This column comes from NDA Executive Director Jeff Lambert.

NDA Update: Certification, Safety, and Advocacy Take Center Stage

As we embark on a new year, NDA is proud to share exciting progress and priorities for 2024 with a focus on certification, safety initiatives, and industry advocacy.

Certification: Recognizing and Elevating Competence

NDA's commitment to professional development is flourishing. The Certification Board established the cut score for the Certified Demolition Supervisor (CDS) exam, and we're thrilled to celebrate the first class of CDS designees in December. This landmark achievement signifies a new era of competency recognition in demolition.

The CDS program recognizes individuals who demonstrate expertise in all demolition aspects, from structural and selective to interior and dismantlement projects. CDS holders oversee crucial areas like safety, environment, operations, and people management, ensuring safe and quality practices through continued professional growth.

Don't miss the next CDS exam registration window. Sign up yourself, a colleague, or staff member. And by the way, development of the Certified Demolition Technician (CDT) certification, aligned with workforce development and safety goals, is underway.

Safety First: Empowering Through Education

Building a safer industry requires robust training. Introducing the "Starting Out Right" video series—17 engaging videos packed with essential safety concepts for onboarding new hires and reinforcing existing knowledge. NDA's videos help you better equip your employees for success in the industry. This is an example of the value your membership brings and if you are not a member, what better reason to join NDA!

Advocacy: Championing Your Voice on Capitol Hill

NDA actively represents your interests. Recently, we submitted comments to the House Committee on Education and the Workforce regarding proposed Fair Labor Standards Act regulations, advocating for overtime flexibility that benefits both employers and employees.

Celebrating 50 Years and Looking Ahead

This year marks our 50th anniversary! Join us at Demolition San Antonio for a convention filled with celebration and industry camaraderie.

The future of NDA is bright. We're growing, upskilling our workforce, advocating for your best interests, and building a safer, more prosperous demolition industry. If you are not a member, you should be. Find out more and sign up for membership. Together, let's make 2024 a year of even greater achievements!

Jeff Lambert
Executive Director
www.demolitionassociation.org



Develon Opens New Parts Distribution Center in Brazil

Develon has opened a new Parts Distribution Center (PDC) for the Brazilian market at Jundiai, close to the city of São Paulo. The new facility is Develon's first in South America, and the eleventh worldwide as the company looks to continue its Global PDC Footprint expansion strategy.

In addition to its proximity to Brazil's largest city, Jundiai was chosen for its easy access to main airports such as Congonhas, Guarulhos, and Viracopos, as well as the sea port of Santos. Speaking at the opening of the new PDC, Young-cheul Cho, CEO of Develon's parent company of Develon, said that Brazil offers significant growth potential thanks to its people and natural resources. "Having seen the growing opportunities in this country, we are here today to fulfill our promise made two years ago to our staff and customers to open the new PDC in the country," Cho said. "That we are here today shows how much our company with the new DEVELON brand is dedicated to the Brazilian market." The new PDC will play a crucial role in Develon's expansion in Brazil, ensuring parts are quickly available for customers throughout the country, via the company's network of dealers. Occupying an area of 21,400 ft² (1,988 m²), the new PDC represents an initial facility investment of more than US\$2 million, with the goal of establishing an inventory of 12,000 items in 2024 to reduce delivery times by 70%. "I believe we are building a new path together that clearly reflects our unwavering dedication to progress and advance in Brazil," Cho said. "I promise that we, with our partners and leadership we will overcome any challenges there are together and make a very positive difference here in Brazil."



Finlay Names Columbus Equipment as Authorized Distributor

Finlay, a pioneer in crushing, screening, and conveying equipment, has welcomed Columbus Equipment as the authorized distributor for the state of Kentucky. This collaboration is a significant milestone in expanding Finlay's rapidly expanding US distribution network,

and reinforces their commitment to providing world class tracked crushing and screening equipment in the state.

Columbus has earned a solid reputation for their commitment to excellence and customer-centric approach, with more than 17 years of expertise serving the materials processing and recycling industries. The company's dedication to delivering service and support aligns perfectly with Finlay's values, ensuring customers in Kentucky receive expert assistance and access to innovative and proven dependable machinery.

"We are thrilled to welcome Columbus Equipment to the 'Finlay family' as our distributor for Kentucky," says Finlay regional sales manager Phil Berresford. "Their reputation for unwavering dedication and expertise makes them the ideal distributor to serve the demanding requirements of customers. Their sales and after-market service and support teams have a wealth of experience of tracked equipment and understand the applications and challenges that customers work with on a daily basis. They will also offer training and rental services to customers."

As the authorized Finlay distributor, Columbus Equipment will market and support the full range of tracked Finlay products. Their dedicated and experienced service and support teams will be on hand to support operators in achieving optimal performance and productivity of Finlay equipment.



As the authorized Finlay distributor, Columbus Equipment will market and support the full range of tracked Finlay products, including crushers, screeners, and conveyors.

"We are excited to represent Finlay and the opportunity it presents to provide our customers with robust, reliable and best-in-class equipment solutions," says Mark DiSalvo, vice president of material processing at Columbus Equipment. "This collaboration enables us to further serve the materials processing industry in Kentucky, offering customers access to Finlay's innovative equipment. We are delighted to be an extension of the Finlay team. Their expansive product line is an ideal pairing to our existing product lines and enables us to provide our customers with high-quality equipment that they can depend upon for their crushing, screening and conveying needs."

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columbusequipmentmp.com

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Event Calendar

DEMOLITION SAN ANTONIO 2024

US National Demolition Association Convention 2024
March 6-9, 2024
Grand Hyatt San Antonio
Riverwalk
San Antonio, TX
www.demolitionassociation.org

CANADIAN CONCRETE EXPO 2024

February 14-15, 2024
The International Centre
Toronto, Canada
www.canadianconcreteexpo.com

THE ARA RENTAL SHOW 2024

February 19-21, 2024
Ernest N. Memorial Convention Center,
New Orleans, USA
www.arashow.org

ISRI 2024

April 15-18, 2024
Mandalay Bay Hotel, Casino and Convention Center
Las Vegas, USA
www.isri.org

M&T Expo 2024

April 23-26, 2024
São Paulo Exhibition Center Imigrantes, São Paulo
Brazil
www.matexpo.com.br

INTERMAT 2024

April 24-27, 2024
Villepinte, Paris Nord, France
www.intermat.fr

DEMCON 2024

September 19-20, 2024
InfraCity, Stockholm, Sweden
www.demcon.se

BAUMA CHINA 2024

November 26-29, 2024
Shanghai Exhibition Center, Shanghai, China
www.bauma-china.com

bc India 2024

India Expo Centre
Plot No. 23/25, Knowledge Park II, Greater Noida, New Delhi
India
www.bcindia.com



Genesis Attachments Hires Myslicki as Upper Midwest Regional Sales Manager

Mike Myslicki is the new Upper Midwest regional manager on Genesis Attachments' sales team. Myslicki will provide attachment, parts and service sales and support to Genesis dealers and customers in Alaska, Idaho, Iowa, Michigan's Upper Peninsula, Minnesota, Montana, North and South Dakota, and Wyoming.

Myslicki's prior experience includes being a union heavy equipment operator for a number of years before transitioning into sales where he's spent the last two decades building relationships with customers in the scrap and demolition industries, and providing them strategic business solutions.

genesistattachments.com

Ironclad Marketing Promotes Luthi and Boerner

Ironclad Marketing, a full-service marketing agency specializing in business-to-business manufacturing clients, announces the promotion of Brittany Luthi to staff development manager, and Aaron Boerner to content director.

In her nine years at Ironclad, Luthi has held a variety of roles, including public rela-



tions writer, account manager and senior account manager. Her role as staff development manager will include training new employees on clients, processes, and markets to ensure on-point marketing plans and messaging. Luthi will also work with all staff to determine knowledge gaps and opportunities to grow and expand expertise.

Boerner's new role as content director will include reviewing content while training and mentoring the public relations writing team to ensure strong messaging for both clients and industry media. With a background in broadcast media, Boerner has spent his whole career telling compelling stories. He also is drone-certified, offering clients drone video and photography capabilities. In his new role he will continue to contribute as an experienced writer, guide the content creation and public relations team, and help to round out and boost the video services.

Ironclad employs a team of more than 20 individuals in positions ranging from graphic designers to digital marketing strategists, PR writers, account managers, and more. The depth of expertise Luthi and Boerner offer contributes to Ironclad's ability to effectively carry out its mission of providing and executing strategic and creative marketing plans for clients.

www.ironcladmktg.com



Montabert Honors Top Dealers at AED

Montabert USA is pleased to announce its top dealer awards for 2023, recognizing total revenue and market share. Two awards for highest achievement in sales were presented during the Associated Equipment Dealers Summit and CONDEX event in Las Vegas.

Honors for market share went to Brandeis Machinery and Power Equipment, which demonstrated outstanding growth in terms of market share. Montabert's award for total revenue went to Komatsu East, which represents Montabert in the Northeast U.S.

"We are proud to honor these two dealers for their accomplishments in 2023," says Montabert USA general manager Aaron Scarfia. "At the same time, we are grateful for all of our excellent dealers. The achievements we celebrate with our partners prove how



(From left) Stephane Giroudon, Montabert Worldwide Sales and Marketing Director of Montabert; Michael Brennan, CEO of Brandeis Machinery and Power Equipment; Maurice Stanich, President of Montabert; David Coultas, President of Brandeis Machinery; and Mike Paradis, Chairman of Brandeis Machinery and Power Equipment.



(From left) Stephane Giroudon, Worldwide Sales and Marketing Director of Montabert, Dana Welch, Senior Director of Product Support for Komatsu East, Maurice Stanich, President of Montabert, Matt Pixler, Senior Director of Sales for Komatsu East, Michelle Wilson, Sales Engineer Montabert and John Monaghan, Director of Fleet Operations and Sales Administration for Komatsu East.

instrumental their efforts are to Montabert's success. We're looking forward to continued success in 2024."

www.montabertusa.com

Tyrolit Group Expands Australian Abrasives Presence With Acquisition of ATS

The Tyrolit Group, a leading player in the abrasives industry, has acquired a majority share in Abrasive Tools Specialists (ATS), a reputed wholesaler, importer, and converter of abrasive tools. With a focus on industrial trade products and precision abrasives Tyrolit aims to diversify its offerings and cater to a wider range of customer needs.

Headquartered in Melbourne and with a secondary office in Brisbane, ATS offers a comprehensive range of abrasives both directly to the market and through a well-established network of distributors.

The Tyrolit Group envisions substantial market growth and expansion through its stake in ATS, which also facilitates leveraging ATS infrastructure for upscaling and providing access to Tyrolit's extensive product portfolio to approximately 500 new customers.

Simon Parkinson, managing director of ATS says the company is excited about the opportunities this presents for the company, but even more so for our customers, who will benefit immensely of the expansion and the synergies.

www.tyrolit.com

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ProStack Adds Powerscreen Crushing and Screening to Distributor Network

ProStack, a global leader in bulk material handling solutions, is pleased to announce the addition of Powerscreen Crushing and Screening to its global distributor network. This strategic relationship signifies ProStack's commitment to expanding its footprint in North America and providing customers with innovative material processing solutions.

Powerscreen Crushing and Screening will have access to ProStack's full range of products, including tracked conveyors, port hoppers, telescopic conveyors, and bulk reception feeders. Serving Kentucky, Tennessee, Alabama, Mississippi, Indiana, Ohio, Kansas, and Missouri, Powerscreen Crushing and Screening will also benefit from access to Terex Genuine Parts, ensuring the highest standards of quality and performance in equipment maintenance.

This collaboration also capitalizes on Powerscreen Crushing and Screening's robust connections to other Terex brands,

including Powerscreen, MDS, EvoQuip, and Terex Washing Systems. Leveraging these connections, the distributor network aims to provide customers with a comprehensive suite of material processing solutions that meet the highest industry.

Powerscreen's strong local knowledge ensures that customers receive tailored solutions that address the unique challenges of their region. This localized approach aligns seamlessly with ProStack's customer-centric philosophy, aiming to deliver unmatched value to clients across North America.

www.terex.com/ProStack



Komatsu Acquires American Battery Solutions, Inc.

Komatsu Ltd., through its wholly owned subsidiary Komatsu America Corp., has agreed to acquire American Battery Solutions, Inc. (ABS), of Detroit, Mich. ABS develops and manufactures a wide variety of heavy-duty and industrial battery packs, using lithium-ion batteries for commercial vehicles, transit buses and on- and off-road vehicles. The company provides both standard and custom battery systems optimized to each customer's needs.

ABS' technology, combined with the advanced product development knowledge and expertise of its people, enables the company to develop and manufacture battery packs designed to deliver superior performance and product life, and to enhance safety.

The acquisition will enable Komatsu to develop and produce its own battery-operated construction and mining equipment, through the integration of ABS' battery technology with Komatsu's knowledge and network. The first equipment with ABS batteries produced will be used to power mining equipment in North and South America, where demand for electrification has been increasing. In the future, Komatsu will aim to expand the use of batteries in construction equipment and to establish a global supply system. Komatsu will continue to support ABS' battery business to further develop the electrification business

post-acquisition. ABS will operate as a stand-alone business entity within Komatsu and will continue its growth plans by executing on its current and prospective customer programs in the commercial vehicle segments. Through the acquisition, Komatsu will accelerate the development of battery-powered electric vehicles by utilizing ABS' battery-related technology, along with other initiatives Komatsu is pursuing with its partners, to further contribute to the electrification of construction and mining equipment. These efforts will help Komatsu achieve its management target of 50% reduction of CO2 emissions from the use of its products by 2030 (compared to 2010 levels), as well as the company's challenge target of achieving carbon neutrality by 2050.



Hiroyuki Ogawa, President and CEO, Komatsu Ltd. (left) and Subhash Dhar, Founder, Chairman and CEO, ABS.



Highlights of Dynaset's Truly



The Finnish winter was something new and special to many of the 72 dealer guests.

Dynaset's biggest dealer meeting ever, bringing together dealers from 32 countries.

The 2024 edition of Dynaset's annual dealer meeting in Tampere, Finland, was the largest yet, bringing together more than 70 dealers from 32 countries. The event included a variety of equipment presentations, discussion groups, workshops, and informal meetings with Dynaset engineers and members of the management team.

Think hydraulic

A highlight of the meeting saw the Dynaset factory transformed into a showcase of hydraulic technology. The factory yard and front entrance were filled with demonstrations of Dynaset's latest products, including the HMAG Pro Hydraulic Magnet with DSmart functionality, the HRVB Hydraulic Recycling Vacuum Bucket, and the HVB Hydraulic Vibra Pump in a wheel loader. Three Dynaset Service vehicles were also on display. Dynaset even



Thursday and Friday included many different lectures and workshops about Dynaset Products.

set up a street washing arena within the factory, allowing dealers to witness the SCU Surface Cleaning Unit in action.

A taste of the Nordics

It wasn't all business. The long weekend included gave dealers an opportunity to defy the sub-freezing temperatures by enjoying a traditional Finnish sauna, and take a guided hike on the frozen Näsijärvi Lake, where a local guide shared insights into the surrounding area's history. To introduce attendees to Finnish cuisine, a lunch menu featured fried vendaces, a traditional fish dish. A quick poll revealed that the dish was well-received by the international audience.

www.dynaset.com

On Friday evening, the traditional Dealer Dinner was held at Tampella Restaurant. Dynaset founder Reijo Karppinen delivered a speech to the dealer audience, reflecting on the company's journey and its achievements.



International Dealer Meeting



The Nordic winter was quite exotic to many of the participants.



The HRVB Hydraulic Recycling Vacuum Bucket received a lot of attention.



Brokk Revolutionizes Demolition Technology With SmartPower+ Generation

Showcased at World of Concrete 2024, Brokk's new SmartPower+ robots provide unmatched endurance by increasing operational uptime with consistent power delivery, resulting in unmatched performance. Expertly engineered with rugged components, the new robots resist shock, temperature, and vibrations, and are dust- and water-protected to an IP65 equivalent. There's also a noteworthy 87% reduction in cables and connectors, reducing weak points while also facilitating servicing and troubleshooting, which in turn, increases the lifespan of the robot.

Brokk's SmartPower+ generation redefines the operating experience by introducing a new and improved lightweight control box weighing less than 6.5 lb (3kg), contributing to more enjoyable and comfortable work shifts. Ergonomically designed, the control box features tilted joysticks, easier-to-reach features, and faster dual charging. There's also the innovative Brokk QuickSwitch and intuitive settings for an improved operating experience, making it easier than ever to operate a Brokk robot, and in turn, easier to find and train operators.

With Brokk's new range of SmartPower+ robots and state-of-the-art features, operators can perform the demolition task at hand without shifting their gaze from the machine between commands, and as such, without compromising on performance or safety. This new generation of robots elevates the operator-machine interaction, focusing on added intelligence for the benefit of the operator. Visual status updates through incremental light indicators allow the operator to focus their attention on the demolition work at hand while simultaneously monitoring the status of the machine. A

two-way communication system communicates the status back to the operator in real time, while customized features enhance the operating experience. Brokk SmartPower+ is enabled for future over-the-air upgrades. Fast and simple

settings, an increase in sensors, as well as the addition of individual tool presets, all contribute toward a more user-friendly and efficient operator interface.

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STIHL Presents Powerful Cutting Machines



STIHL's new TS 710i and TS 910i are the brand's most powerful cutting machines, and ideally suited for demanding cutting of mineral or metallic building materials. With an output of 5.2 kW (TS 710i) and 6.2 kW (TS 910i), these machines feature electronic injection to ensure perfect operating characteristics, and high torques at all times.

The TS710i is designed for cutting blades with a diameter of 13.8 in (350mm), while the TS 910i is de-

signed for 15.7-in (400mm) blades. In addition to being easy to start, both machines are equipped with a STIHL anti-vibration system for full control and precision cutting in all positions. Together with the compact and stable machine design and balance, the load on the user's joints and muscles is also minimized.

STIHL has also optimized the new cutting machines with regard to service and maintenance. All relevant data can be retrieved via the diagnostic socket, and the

efficient filter system increases the service life.

The cutting machines can be easily integrated into the STIHL Connected cloud-based system solution via a Smart Connector that is attached to the machine. For professional users, this digital machine fleet offers a detailed overview of all relevant machine data, such as operating time and age, as well as upcoming maintenance and maintenance history.

www.stihl.com

Viable for a Variety of



The Capasso and Sons crew removed 40,000-ft² (3,716m²) of thick floor slab for the Temple Street Garage project. Credit: Frank Capasso and Sons.

Contractors know that hydrodemolition projects come in all shapes and sizes. Some jobsites provide a decent amount of workspace in more open areas, allowing contractors to utilize larger equipment. Other projects take place in confined spaces, such as building interiors, that limit the size of equipment. For these applications, contractors require a machine that still provides adequate power, but has the compactness to go where larger equipment can't.

Tight spaces are where the Aquajet Ergo shines. Its compact size allows it to work in cramped spaces while providing Hydrodemolition performance four times more powerful than a hand lance. Its remote-control functionality also increases safety, allowing the operator to work out of harm's way. With its safety and versatility offerings, the Ergo is a go-to for contractors with close-quarter projects. Here are three projects that called for a compact Hydrodemolition robot.



A Historic Worksite

Frank Capasso and Sons of Northford, Conn., used the Ergo to repair a historic New Haven parking garage. Designed by prominent Modernist architect Paul Rudolph, the 12-inch-thick concrete floor of the Temple Street Garage was deteriorating from decades of salt exposure. Removing more than 40,000-ft² (3,716m²) of thick floor slab would be a difficult feat for jackhammers. There was also the potential effects of impact vibrations on the historic structure, and noise complaints from nearby Gateway Community College.

To complete the repair, company president Vinny Capasso paired the Ergo with the Aquajet Power Pack 250SM high-pressure pump, a compact unit that was small enough to be moved throughout each level of the parking garage, including the top floor. Capasso's team found the compact Ergo had a feasible learning curve and used a manageable amount of water — approximately 500 gallons (1,893 liters) a day that they treated and released, with the slurry going to a recycling center. Because the repairs were spread throughout the multiple levels of the parking garage, setup and breakdown of the Ergo system was easier to move from one repair area to another. A two-person crew—an operator and a laborer to remove debris and manage the wastewater—removed 180 to 220 ft² (16.7 to 20.4 m²) at a depth of 3 to 3.5 in (76.2 to 89 mm) a day. Frank Capasso and Sons had a year to complete the project but finished in just over 10 months. "I jackham-

The Connecticut garage repairs were spread throughout multiple levels. The Aquajet Ergo's easy setup and breakdown enabled a two-person crew to move quickly from one area to another. Credit: Frank Capasso and Sons.



To complete the garage repair, the Ergo was paired with the Aquajet Power Pack 250SM high-pressure pump, a compact unit that was small enough to be moved throughout each level. Credit: Frank Capasso and Sons.

mered a lot in my lifetime," Capasso says. "To see the work done in this way is pretty amazing."

Limited Access

A unique project occurred in the basement of an industrial building in Montreal, Quebec. The building required a new layout for tanks, each of which needed a drain line. The contractor tasked with the job needed to create trenches in the basement's concrete to install new drainpipes. The building owner didn't want jackhammers or saws to be used because they wanted to keep the rebar intact. The concrete slab couldn't be damaged because of water pressure from the ground water under the building. Furthermore, the basement setting offered limited access that restricted larger equipment from entering.

Montreal-based Groupe MGC took on the project

"Based on the space we had to work in, the compactness of the Ergo was an advantage," Groupe MGC president Carl Henri says. "We could have used larger

of Jobs: Aquajet Ergo

equipment in the work area itself, but limited access made it impossible to get the equipment into the building. One of the main reasons we invested in the Ergo is for projects that require us to work in tighter spaces where we can't bring larger machines."

The crew removed 20 cubic meters of concrete at a depth of 24 in (610mm) for the challenging project. Groupe MGC completed the job in just over three weeks using a crew of four to six people. Handling wastewater was particularly challenging given the location of the job where only compact equipment could access the work area. The crew collected water and debris from the work zone with a vacuum truck and transferred it to a holding tank for treatment.

Subzero Setting

During the frigid winter in northern Alberta, a pulp and paper plant removed a pump from a below-grade chamber for maintenance. After pulling the pump, they discovered that the surrounding concrete was deteriorated to the point of having exposed rebar. The concrete walls were about 12 in (305mm) thick with around 4 in (101.6mm) of the concrete chewed away; and the ceilings were similarly deteriorated. Edmonton, Alberta concrete repair specialist Restocrete, Inc., needed an efficient Hydrodemolition machine that could be operated from a safe distance above the chamber, so they turned to the Aquajet Ergo. The environment presented multiple challenges, beginning with the area for removal. The pit with the damaged concrete was below the water table and a confined space at about 16 ft (4.9m) deep, making traditional removal methods difficult and potentially dangerous should something go wrong. However, thanks to the Ergo's remote-control capabilities, the Restocrete crew could operate the equipment safely from above, with significant reduction of time in the pit for removal.

The weather presented another hurdle. Temperatures during the project got as low as -22° F (-42° C). The Restocrete crew constructed an insulated shed for the Ergo and Jetstream pump to reside in with heaters running throughout the project. The tent provided some protection from the elements but couldn't be entirely sealed, allowing a freezing wind to flow through at times.

Visibility also became an issue as the temperature difference between the air in the pit and inside of hoarding produced a great deal of steam when 40,000 psi (2,758 bar) was used. This hindered visibility and forced the crew to halt work at various points to let the air clear and ensure operation in the pit was running smoothly.

At project end, Restocrete completed concrete removal and repair on three of the five chambers at the plant, taking out all deteriorated concrete, extending



Restocrete's Nick and Justin Downar needed an efficient hydrodemolition machine that could be operated from a safe distance above the chamber, so they turned to the Aquajet Ergo. Photo credit: Restocrete, Inc.



The Restocrete crew constructed an insulated shed for the Ergo and Jetstream pump, with heaters running throughout the project to combat extremely cold temperatures. Photo credit: Restocrete, Inc.



Groupe MGC used the Aquajet Ergo to create drainpipe trenches in the concrete of an industrial building basement in Montreal. Credit: Groupe MGC.



Thanks to the Ergo's remote-control capabilities, the Restocrete crew could operate the equipment safely from above, reducing time required in the pit. Photo credit: Restocrete, Inc.

behind the rebar, at a depth of 4 to 6 in (101.6 to 152.4 mm). The Hydrodemolition portion took about a week. Then, they had to go back, form and pump the concrete, then coat it.

"Even with the timeline slightly drawn out due to pausing at points because of the steam, this project was significantly faster, leaving better quality surface profile and overall concrete condition with Hydrodemolition than what it would've been with jackhammer-



Restocrete completed concrete removal and repair on three of the five chambers at the plant, taking up all deteriorated concrete, extending behind the rebar up to 6 in (152.4 mm) deep. Photo credit: Restocrete, Inc.

ring," says Justin Downar, Restocrete's commercial manager.

Whether it's a historic parking garage, an industrial building or an underground pit, using an Ergo for Hydrodemolition provides an efficient, versatile solution for contractors. The heightened safety, remote-control operation in confined spaces and efficiency has made it an attractive replacement for traditional concrete removal and repair methods.



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arixshinhan.co.kr

The all-electric RM 100GO! hybrid crushes gravel.

Crushing With Rubble Master Electric Equipment Yields Big Savings

German contractor Welbers Kieswerke crushes up to 110t of gravel per hour with its RM 100GO! hybrid, fully electric machine, with a fully electric drive reduces energy costs by around 50%. In addition to protecting the environment, Welbers' annual operating costs are cut by 11%. And thanks to the hybrid crusher, they can crush other materials, such as C&D waste in addition to fully electric gravel processing.

Welbers purchased the RM 100GO! hybrid to process gravel to the highest quality 0-16 fraction final aggregate. Although the company was initially skeptical about the performance of the RM crusher, a test run in May dispelled their concerns. The RM 100GO! processes .63- to 1.5 in (16- to 40mm) gravel and oversize feed material of 1.26 to 5.1 in (32 to 130 mm) to produce the highest quality final aggregate.

In addition to processing gravel, Welbers also tested the machine briefly with C&D waste. The machine confirmed what many satisfied Rubble Master machine owners from the surroundings have already discovered: a finished 0 to 1.77-in (0- to 45mm) final aggregate, as well as a screened oversize aggregate at a high output with good operating costs.

The aim of leaving land in better condition from an ecologically standpoint than it was before excavation started, has always been the philosophy of the Welbers family business, which is why they decided to go for the hybrid version of the



Christian Knepperger, Sales Manager of Rubble Master dealer C. Christophel, and Jonathan Schafer, Managing Director of Welbers Kieswerke.

RM crusher, in addition to capitalizing on the grid connection they already had on site. Now nothing stands in the way of

emission-free, fully electric operation. An attractive side advantage is the saving on running costs: already high fuel costs are reduced by using electricity. Since taking delivery of the new machine in June, it has already saved EUR 1000 on diesel.

Previously, hardly anybody processed gravel fully electrically using mobile crushers. All that's needed is the 50-ft (15m) cable to the grid transformer station. This simple step sees the machine ready for action in just a few minutes.

Because the crusher is mounted on a chassis with crawler gear, they can move from processing gravel in electric mode to crushing C&D waste directly on site in diesel mode. In contrast to the processing of C&D waste being outsourced, as it was previously, this can now be done flexibly and independently at any location. Welbers has processed several thousand tons of gravel since July, and all without fuel. The company plans to follow a processing schedule, whereby every couple of months C&D waste will be crushed for two to three weeks. The rest of the time they will process gravel in fully electric mode. They will therefore crush around 40,000t of gravel a year using power from the grid.

www.rubblemaster.com



New Grinders From Superabrasive

Superabrasive introduced several new Lavina S7 grinders at World of Concrete 2024, including new 31-in (783mm) and 20-in (510mm) grinders. The models have the S7 series' updated frame design with a sealed grinding head and new planetary drive. The 31-in grinders also boast extra power and torque, making them ideal for heavy-duty grinding. The electric L31S7 has a 20-hp (15kw) motor and grind pressure up to 838



lb (380 kg), while the propane L31GS7 has a Vanguard 35-hp (26kW) engine and grind pressure up to 794 lb (360 kg) of grind pressure. In the small grinder class, Superabrasive showed a new 20-in single-speed grinder that is lightweight, compact, and easy to transport or carry up and down stairs. World of Concrete visitors were able to test drive all the new grinders, as well as the Lavina polishing power trowel, and the unique Lavina 36-in propane planetary polisher.

www.superabrasive.com/series7



AUSA Exhibits Concrete Sector Solutions

AUSA showcased some of its dumpers and forklifts at World of Concrete. In the dumper category, AUSA exhibited the electric D151AEG with a 3,300-lb (1,497kg) and 1.18 yd³ (.9m³) load capacity, plus a swivel skip. The machine is equipped with a lithium-ion battery pack that provides a full day's work with the same off-road power and capabilities as its diesel counterpart.

Also, on display were the new D201AHG with a 4,400-lb (1,996kg) and 1.7 yd³ (1.3m³) load capacity, and swivel skip, ideal for small, urban projects. The D350AHG with a 7,700-lb (3,493kg) and 2.78 yd³ (2.78m³) load capacity is designed for larger projects, while the D601AHG, a powerful dumper of larger dimensions, capacity of up to 13,200-lb (5,987kg) 4.12 yd³ (3.15yd³), and is capable of a fast and smooth transport.

AUSA's C401H forklift was also exhibited. One of the largest in the brand's catalog, the machine has an 8,000-lb (3,629kg) capacity and maximum lift height of 17.88 ft (5.45m).



Ignasi Moner, CEO of AUSA US Corp says that the products displayed at what was the company's seventh consecutive appearance at World of Concrete "reinforces our certainty that this type of vehicle is a great money-and-time- saving asset for the day-to-day operations in the construction industry. Everyday more and more professionals show interest and relate dumpers to the AUSA brand. Indeed, all the customers who have tried this type of machine see the potential it has for their business."

www.ausa.com

MoveSmart: Tyrolit's Digital Asset Management Platform

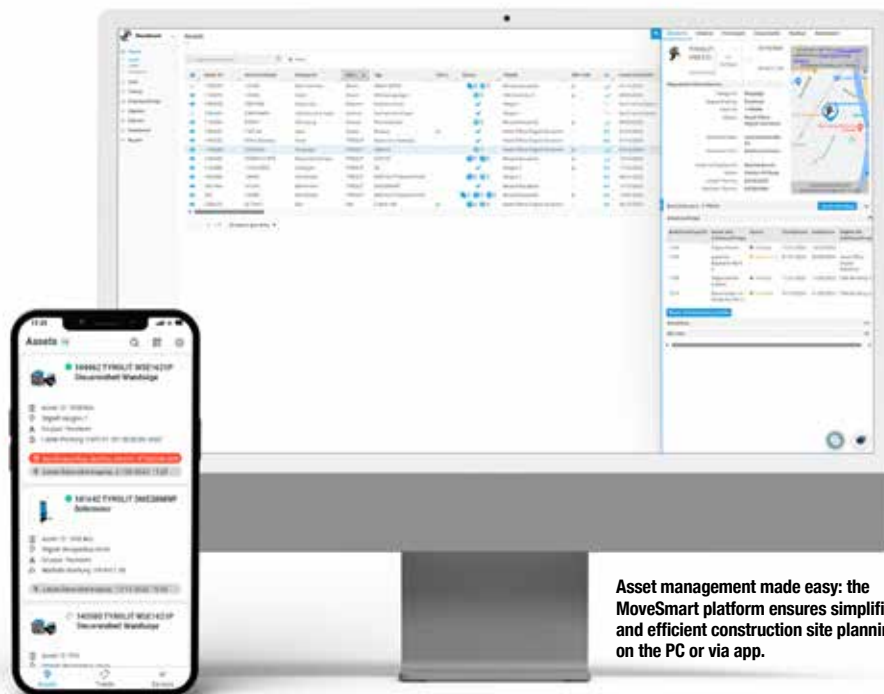
MoveSmart from Tyrolit is an innovative, digital platform solution for operating resources and provides operating and user data in real time. Construction sites, maintenance and repairs can be conveniently planned via PC or smart-phone, and with the respective hardware, equipment can be tracked at all times.

Development of MoveSmart has been underway since the 2017 launch of Tyrolit's WSE1621, the first wall saw with an integrated Internet of Things (IoT) module that enabled the machine to be tracked and managed in real time via app.

Since then, the platform has been substantially expanded and optimized according to customer requirements thanks to Tyrolit's partnership with ToolSense. While Tyrolit provides the necessary expertise from the construction industry, ToolSense scores with technical know-how and speed of innovation as well as insights from other industries on the digital side. This allows the platform to be perfectly customized and expanded to meet customer needs—a perfect symbiosis that boasts benefits for MoveSmart customers and users



The MoveSmart hardware makes it possible to interconnect and manage equipment from different manufacturers.



Asset management made easy: the MoveSmart platform ensures simplified and efficient construction site planning on the PC or via app.

Now offering more options than ever, MoveSmart and its associated hardware cover many areas of asset management, construction site planning and tracking of all types of construction equipment—from drill motors to cranes—regardless of the manufacturer.

With MoveSmart, projects are efficiently mapped and all interconnected equipment is assigned to corresponding projects, which ensures simple and clear construction site

planning. The real-time information obtained provides a quick overview of available machines, enabling fast and realistic action. Customers can choose between different modules and decide for themselves the MoveSmart functions they want to use. Users can also choose from a pool of additional services such as interface programming, data integration or on-site analyses.

www.tyrolit.com

OilQuick and Hagaberg in New Partnership

OilQuick and Hagaberg, a manufacturer of integrated fork positioners, have announced a new dealer partnership to boost sales and expand product awareness throughout Europe. With this partnership, Hagaberg gains access to the entire range of OilQuick's QT quick coupler system for forklifts. Hagaberg is known for its expertise in fork positioners and related system solutions, sharing OilQuick's commitment to delivering exceptional value to customers. The company's products feature a unique design and functionality, including excellent visibility for the operator, enhancing workplace safety. With in-house development and manufacturing in Sweden, Hagaberg oversees the entire production chain, ensuring the highest quality while minimizing environmental impact. Their extensive network and dedication to customer satisfaction align perfectly with OilQuick's core values.

Johan Lindqvist, OilQuick sales manager, says Haga-

berg's focus on high quality and deep market understanding makes them an ideal partner. "Together, we look forward to providing our customers with unparalleled products and services and driving innovation in the industry," Lindqvist adds.

Stefan Carlsson Pautt, Hagaberg's business development manager, agrees that the collaboration is a perfect fit. "We can now offer the market a unique system solution that increases safety and streamlines work processes," he says. "OilQuick's history of innovation, high quality, and customer focus aligns very well with us, and we look forward to a rewarding partnership with confidence."

oilquick.com



GIC 2024 to Showcase Europe's Concrete Sector

GIC 2024, scheduled for April 18-20 at the Piacenza Expo in Italy, is set to be Europe's largest dedicated concrete exhibition, involving more participants than ever before. A one-stop-shop for all things concrete, GIC will showcase materials, components, equipment, and technology from across the segment, giving a comprehensive snapshot of its current status and future direction.

Beyond mere concrete production, GIC will spotlight products and services for the entire lifecycle of concrete—from aggregates extraction and processing and cement production to the pre-fabrication, construction, maintenance, demolition, and recycling of concrete structures. Exhibitors will include suppliers of concrete batching plants, conveyors, crushing and screening equipment, truck mixers, formwork and accessories, screeds, concrete finishers, chemicals and additives, tower cranes, excavators, wheeled loaders, and more.

Recognizing the growing importance of concrete demolition and recycling as the construction industry seeks to improve its sustainability, GIC 2024 will host the first ever Italian Demolition & Recycling Awards, as well as the latest edition of the Italian Concrete Technology Awards.

Another way GIC is evolving to provide even greater value for its participants is to now include a demo area. Filled with sand and aggregates to simulate a quarry environment, several OEMs have already committed to demonstrating their cutting-edge wheeled loaders and crushers in this new interactive setting.

Over in the auditorium, GIC 2024 will spotlight the crucial role of tower cranes in constructing and demolishing concrete structures. For the first time, the event will host a dedicated conference on tower cranes, emphasizing their use in concrete mixing, formwork, and overall material management for reinforced concrete projects.

Meanwhile, the conference on the construction and maintenance of civil and military airport runways will make a return, attracting leaders from academia, airport management, and infrastructure authorities.

On track for a record

Momentum for the show is building with current bookings indicating that GIC 2024 is well-positioned to surpass the 234 exhibitors and 5,000 visitors recorded during the 2022 edition, which was affected by the pandemic. Meanwhile, more than 60 trade associations and bodies have already confirmed their sponsorship, underscoring the growing anticipation and enthusiasm for the show.

"More and more companies are recognizing the value of our focused and concise format, which provides exhibitors and visitors with greater returns on their time and financial investments, compared to larger, general construction tradeshows," says Fabio Potestà, Director GIC organizer of Mediapoint & Exhibitions. "I am confident that GIC 2024 will be our biggest and best yet."

www.gic-expo.it/en



Epiroc's Pulverizing Performance Booster

Epiroc's new Performance Booster increases the performance of the company's DP 1820 demolition pulverizer by up to 20% and minimizes jaw cycle time by up to 25%, enabling users to complete jobs faster and more efficiently. A reduction in fuel consumption of up to 35% makes the combination a sustainable and cost-effective solution as well.

All Epiroc demolition pulverizers are highly versatile, efficient attachments capable of handling both demolition tasks and secondary breaking of debris for material recycling and re-use.

The Performance Booster can be retrofitted

onto the DP 1820 pulverizer, a distinctive feature made possible by the robustness of the attachment's body. With a service weight of 2t and a jaw opening of 29.3 in (746mm), the DP 1820 delivers precise handling and an impressive crushing force. Its slim, modular design eliminates the need for cylinder rod protection, and the 360° endless hydraulic rotation ensures optimal positioning and precise handling on the job site. The pulverizer's design also eliminates the need for additional cylinder protection, further streamlining operations.

www.epiroc.com



Aquajet Extender Provides Efficiency-Boosting Flexibility to Aqua Cutter 750V

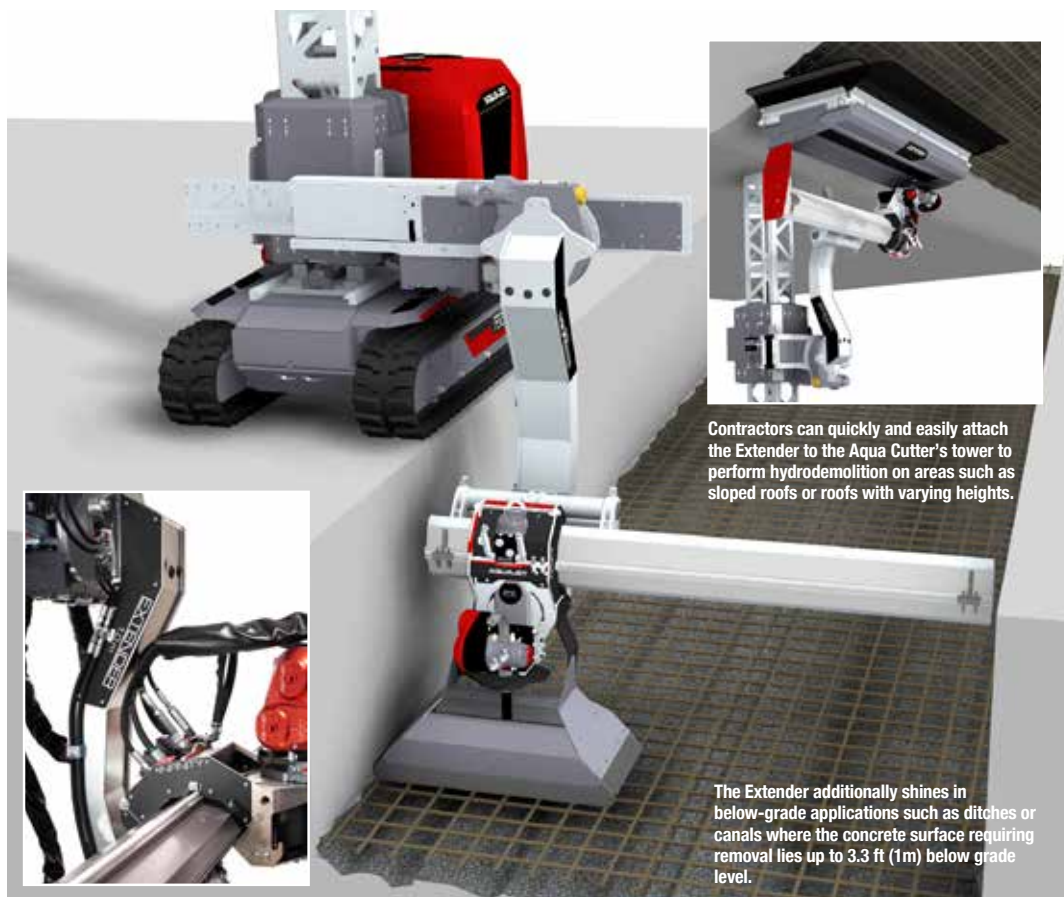
Aquajet announces the release of its Extender accessory, a flexible addition to the Aqua Cutter 750V that easily adapts to surfaces with height variations in overhead, below-grade, or constrained-space applications. The Extender comes with a hydraulic hose package that allows easy mounting on the robot, with no need for additional hydraulics or other equipment.

Contractors can quickly and easily attach the Extender to the Aqua Cutter's tower to perform Hydrodemolition on areas such as sloped roofs or roofs with varying heights up to 4 ft (1.2m). Additionally, the Extender shines in below-grade applications such as ditches or canals where the concrete surface requiring removal lies up to 3.3 ft (1m) below grade level. The Extender can easily be mounted and removed based on the needs of the job.

With its full side shift capability, the Extender also enhances side operations between beams on structures like bridges and parking garages, extending up to 8.2 ft (2.5m) to either side. The extended capability for sideways applications requires the smaller protection cover over the power head. This function is especially beneficial in confined or tight spaces.

www.aquajet.se

Small picture to the right: The Extender comes with a hydraulic hose package that allows easy mounting on the robot, with no need for additional hydraulics or other equipment.



Contractors can quickly and easily attach the Extender to the Aqua Cutter's tower to perform hydrodemolition on areas such as sloped roofs or roofs with varying heights.

The Extender additionally shines in below-grade applications such as ditches or canals where the concrete surface requiring removal lies up to 3.3 ft (1m) below grade level.

VonArx Strengthens Position in Global Surface Prep Industry with IMPACTS Acquisition

VonArx has signed an agreement to acquire German based shotblaster manufacturer IMPACTS. Founded in 2004, IMPACTS is well-respected for its high-quality products and customer focused service.

"By acquiring IMPACTS, we widen our product portfolio, reinforces our presence in the surface preparation market," says VonArx owner and CEO Fredrik Akemark.



"We are also able to create a home market in Germany for both companies' branded products."

VonArx has been growing quickly over the last four years, and has developed several new products during short time. IMPACTS' product range together with extensive experience and knowledge in the surface preparation industry will add invaluable value.

IMPACTS will remain under its own brand and continue to distribute its branded products through existing

distribution networks. Operation and manufacturing will remain in Overath, Germany.

"By utilizing respective companies' strengths and continue offering high level of customer service, already a focus for both IMPACTS and VonArx, we will be an even more attractive partner for surface preparation contractors around the world" says Akemark.

www.vonarx.com
www.impactsgmbh.com

NDA's DEMOLITION

The National Demolition Association Celebrates 50th Anniversary at Annual Convention & Expo in San Antonio in March 2024 and bring together more than 1,100 industry professionals.

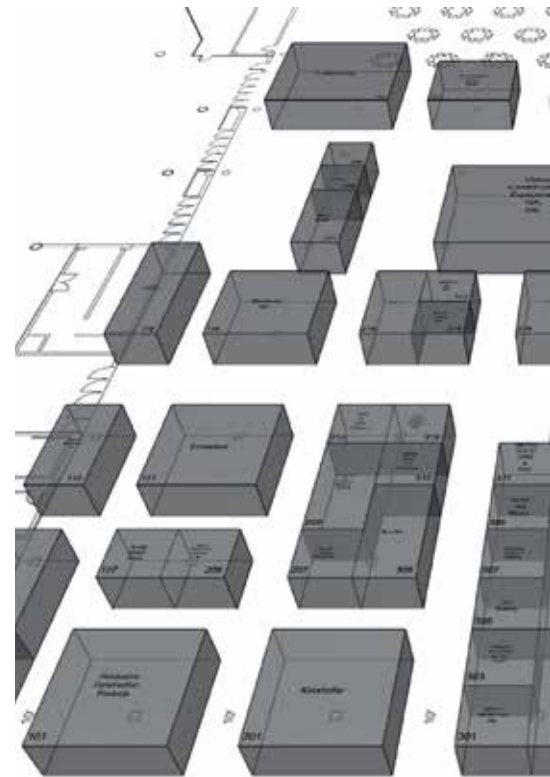
This year's Demolition San Antonio is set to pass previous attendance records and vendor participation levels in celebration of its golden anniversary. The event will take place at the Grand Hyatt San Antonio River Walk in Alamo City, San Antonio.

"NDA is thrilled to commemorate 50 years of achievements in San Antonio at the Annual Convention and Expo," says NDA Executive Director Jeff Lambert. "We're experiencing exceptional growth across all areas, from attendees and exhibitors to the overall scope of the event. It's an honor to connect the industry and facilitate its advancement."



More than 1,100 attendees and 102 exhibitors

The event will draw more than 1,100 attendees, ranging from business owners and contractors to superintendents and suppliers. The Expo boasts 102 confirmed exhibitors in 2024, up from 82 in 2023.



The Live DEMOLition Event, a one-of-a-kind hands-on experience testing the latest demolition innovations, also returns and will feature more than 20 participants. Hands-on demonstrations include excavators, shears, concrete breakers, material handlers, concrete saws, cutting tools, robotics, and more.

A new feature of the Live DEMOLition will see superintendents and operators compete in the exciting Live DEMO Challenge. This competition features a Safety Knowledge Quiz, an Equipment Inspection, and an Operator's Skills Course. The winning team will receive a paid trip to a luxury resort.

In addition, Demolition San Antonio will feature valuable educational opportunities including keynote speaker Mikel Bowman, a consultant specializing in leadership development and organizational culture. With more than 20 years of experience in the mining industry and a background in counseling, Bowman will deliver a powerful talk titled "Lead from the Middle," highlighting the impact leaders have on those they work with.

Participants can also register for pre-conference courses, including the Superintendent Bootcamp



ON SAN ANTONIO



Course and the Hands-on Equipment Maintenance Course, for unique classroom learning and hands-on training and education.

The Events

Here's a quick summary of Demolition San Antonio events. Full details are available at NDA's website.

TUESDAY, MARCH 5

8:00 am - 5:00 pm

Demolition Superintendent
Bootcamp Course (classroom course)

8:00 am - 12:00 pm

Certified Demolition Supervisor (CDS)
Exam Session

WEDNESDAY, MARCH 6

8:00 am - 12:00 pm

Certified Demolition Supervisor (CDS)
Exam Session

10:00 am - 6:30 pm

Registration Open

12:00 pm - 4:00 pm

Hands-on Equipment Maintenance Course
(at the Live DEMOLITION Event™ site)

2:00 pm - 4:00 pm

Annual Board of Directors
Meeting (Members Welcome)

5:00 pm - 6:30 pm

Welcome Reception

THURSDAY, MARCH 7

8:00 am - 8:00 pm

Registration Open

8:00 am - 4:00 pm

Shuttles to/from Live DEMOLITION
Event - final bus from Convention
Center leaves at 2:30 pm

9:00 am - 4:00 pm

Live DEMOLITION Event™

6:00 pm - 6:30 pm

First-Time Attendee and
New Member Meet & Greet

6:30 pm - 8:00 pm

Expo Opening Reception

6:30 pm - 7:00 pm

NDA Cornhole Tournament Check-In

7:00 pm - 8:00 pm

NDA Cornhole Tournament - Round 1

FRIDAY, MARCH 8

8:00 am - 4:00 pm

Registration Open

8:30 am - 10:30 am

Breakfast & Keynote Presentation

10:30 am - 4:00 pm

Expo Open

11:00 am - 12:00 pm

Education Sessions

12:00 pm - 1:00 pm

Lunch in Expo

12:00 pm - 12:30 pm

Sponsored Spotlight: Government
Grants and Material Handlers -
Presented by Sennebogen

1:00 pm - 3:00 pm

Education Sessions



3:00 pm - 4:00 pm

Local Brews Beer Reception

3:00 pm - 4:00 pm

NDA Cornhole Tournament - Rounds 2-3

6:30 pm - 9:30 pm

Evening Party

SATURDAY, MARCH 9

9:00 am - 1:00 pm

Registration Open

10:00 am - 1:00 pm

Expo Open

10:30 am - 12:00 pm

Education Sessions

12:00 pm - 1:00 pm

Lunch in Expo

12:00 pm - 1:00 pm

NDA Cornhole Tournament -
Elite 8, Final 4, Championship Rounds

6:00 pm - 8:30 pm

Annual NDA Awards
Banquet (Cocktail Attire)

See you in San Antonio!

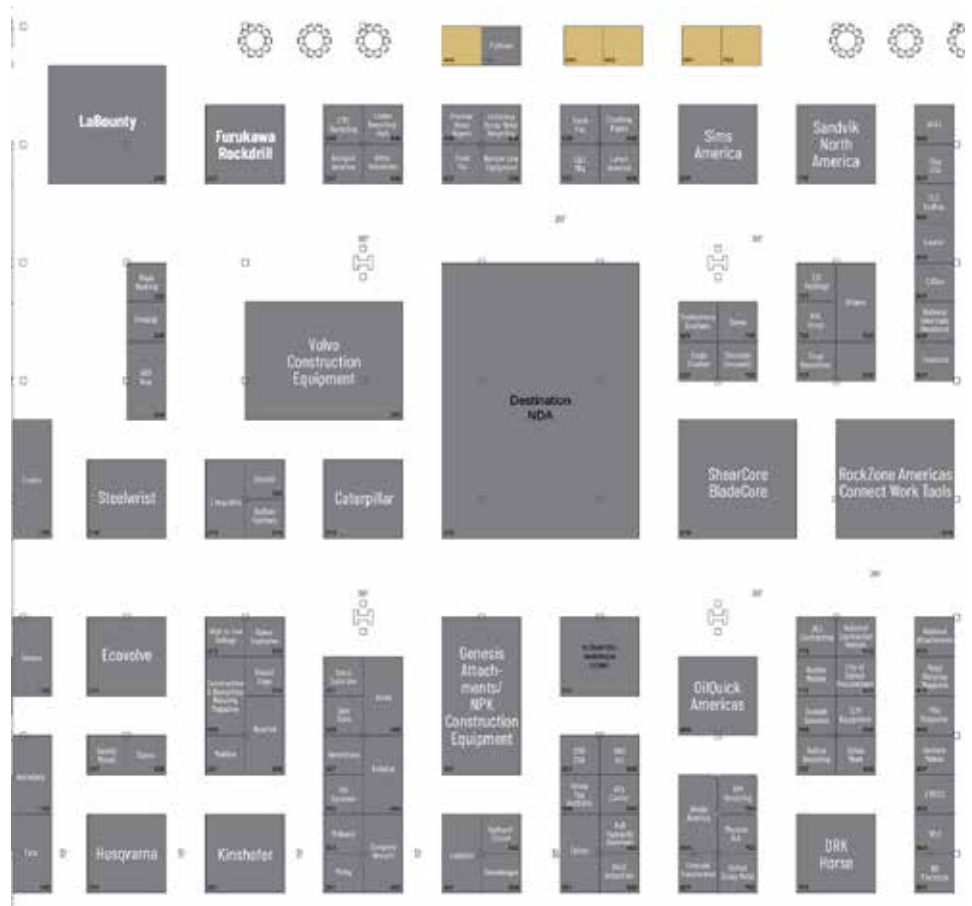
www.demolitionassociation.com

Exhibitor List Demolition San Antonio

Exhibitor

Booth no

AIM Recycling	704
AJAX Tool Works	309
Alfa Cantor	604
Ameritrans Equip. Solu.	307
AntraQuip	104
Astec Industries, Inc	436
AT&T	839
BD ELECTRICAL, INC.	801
BossTek	306
Bottom Line Equip.	536
Brikers	828
Brokk	408
Buffalo Turbine	318
C & C MFG	537
Caterpillar	319
City of Detroit Procurem.	810
CJGeo	831
CLC Lodging	835
CLM Equipment	808
CMC Recycling	339
Company Wrench	400
Connect Work Tools	818
Construct. & Demoli. Rec.	209
Cratos Equipment	118
Crushing Tigers	638
Deist Industries	600
Destination NDA	419
Detroit Edge Tool Comp.	310
DRKhorse	701
Dykon Expl. Demoli.	312
Ecovolve	111
Eagle Crusher Company	627
EIS Holdings	731
Emerald Transformer	601
EMR USA	507
EMSCO	805
Epiroc	501
EvoQuip	228
FieldFlo	437
Furukawa Rock Drill	237
Genesis Attachments/NPK	407
Gensco Equipment	110
High to Low Voltage	213
HKD Blue	224
HKX	606
Husqvarna Constr. Pro.	101
HydrauliCircuit Techn.	502
iGas USA	837
IVO Systems	305
J & J Contracting	713
KHL Group	729



Exhibitor

Booth no

Kinshofer	201
KOBELCO	404
KOMATSU AMERICA	511
Komplet America	337
LaBounty	236
Laurini	833
LeFort America	636
Liebherr	401
Lindner America	438
Livegistics	219
Louisiana Scrap Metal Rec.	538
Maddox Industrial Tran.	207
Mecalac N.A.	702
Metalsrecycling Mag	811
Midwest Industrial	303
Moley Magnetics	301
National Attachments	813
National Constr. Rentals	812
National Interstate Ins.	829
OilQuick Americas	609
Okada Americas	603
PDa Magazine	809
Premier Metal Buyers	439
Pullman	542
Quality Metals Group	107
Radius Recycling	707
Rakowski Energetics	826

Exhibitor

Booth no

RJB Hydraulic Hammers	602
RockZone Americas	818
Royal Bearing	230
Rubble Master Americas	711
Sandvik Rock Processing	737
Sennebogen	500
Setco Solid Tire & Rim	311
ShearCore BladeCore	619
Sigma Engineering Sol.	206
Sims Metal	637
Solida-Werk	806
Steelwrist	119
Stucchi USA	320
Sunbelt Solomon	709
Tenna	728
Thalheimer Brothers	629
Thornton Tomasetti	726
Toro	100
Tractics	827
Triad Demo. and Dismant.	727
Truck Pay	539
United Scrap Metal	700
Venture Metals	807
Volvo Construction Equip	324
WLP Systems	803
Yellow Tag Auctions	505

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E DEGLI INERTI DA COSTRUZIONE E DEMOLIZIONE

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Meet Brokk Operator Fernanda Mattia



“The 360-degree working radius is an unmatched advantage, while the power of Brokk breakers is incomparable”
Gabriela Fernanda Mattia.



Operator Gabriela from Grupo Mitre

In the bustling city of Buenos Aires, Argentina, 45-year-old Gabriela Fernanda Mattia is making waves in the demolition industry.

A mechanical electrician technician with a postgraduate degree in safety and industrial environmental control, Gabriela is well-known for more than just her signature bright pink helmet. For the past decade, she's been a vital part of demolition specialist Grupo Mitre as one of the company's expert Brokk operators.

Gabriela's journey with Brokk began with a hands-on approach

"I asked my boss to work solo with a Brokk 70 [the smallest of the Brokk fleet], and through a willingness to learn, asking questions, and common sense, I quickly progressed to operating a Brokk 110 as well," recalls Gabriela. In January 2023, she earned a global certification under the guidance of Joakim Johansson, a seasoned Brokk Service Engineer.

Operating Brokk demolition robots is particularly enjoyable for Gabriela who credits their seamless blend of speed, versatility, and power.

"It's always a pleasure to operate a Brokk," she says, citing unique features such as the machines' ability to fit into confined spaces and operate remotely for added efficiency and safety. "The job possibilities are countless."

A feeling of empowerment

Flexibility is a game-changer for efficiency on the job as well. The robots' precision and control play a significant role in the quality day-to-day work, allowing Gabriela to perform super delicate and intricate work.



Gabriela urges aspiring Brokk operators to go for it. "This profession is beautiful. Demolition, for me, is both wonderful and fantastic, especially with a Brokk!"



"Personally, for me, it's turning on the Brokk and knowing that everything can be achieved, absolutely everything," Gabriela says. "There are no limits."



"In a productive morning, you can demolish numerous meters of chopped concrete," she says, adding that compared with traditional equipment, Brokk robots offer a near-infinite range of freedom. "With a Brokk, you can go anywhere and with the necessary power."

For Gabriela, operating Brokk robots is not just a job; it's a feeling of empowerment. To those considering a career as a Brokk operator, Gabriela's message is powerful.

"To all the women worldwide: nothing is impossible; with effort and dedication, everything can be achieved," she says. "Opportunities exist and seizing them is crucial. I may be the first female demolition operator in Argentina, but I believe we could have many more."

www.grupomitre.com.ar



Gabriela and Brokk Service Engineer Joakim Johansson.

BANDIT ANNOUNCES A ***NEW HAMMERMILL GRINDER!***

MODEL HM6420

The addition of the HM6420 expands the already diverse line of Bandit horizontal grinders available. A variety of models allow grinding professionals to choose from mill configurations that will **"CUT IT," "CHIP IT," or "HAMMER IT."**



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New Demolition Robot Heads Husqvarna Product Debuts

Husqvarna Construction introduced the new DXR 95, its lightest and most compact demolition robot ever, at World of Concrete 2024. The launch adds a fifth model to the company's diverse range of high-quality demolition robots, giving its customers a huge productivity boost in confined spaces.

The DXR 95 packs a strong punch, thanks to a high-efficiency powertrain delivering 13.1 hp (9.8 kW) of power and 3,626 psi (250) bar of pressure to the end-of-arm tool. Yet weighing in at around 1,000 lb (454kg), it's small enough to be transported in an ordinary van and steered through narrow passageways, as well as sturdy enough to manage steep inclines at an angle of 30°.

Operating the DXR 95 is intuitive and straightforward with one of the industry's most user-friendly remote controls. Key features include ergonomic joysticks and knobs that make it easy to select and change settings, written messages that make it easy to understand machine feedback, and the ability for operators to choose their preferred language on the large LCD screen. Operators also can easily tune parameters such as water, grease and hydraulic functions to suit their preferences – and even adjust the pressure and flow to match the requirements of non-standard tools.

Additional features include a heavy-duty arm system with robust friction-welded cylinders, automatic greasing of the breaker for longer service intervals, and protection of vital parts in the tough lower chassis. All components can be easily accessed and detached to make service and maintenance quick and trouble-free.



asphalt from sticking to the equipment or creating marks on the compacted surface.

With two BLi300 batteries, the operator can run the forward plate compactor continuously for up to 45 minutes. If one battery is drained, the machine switches automatically to the next. The BLi-X 36 V battery system is also used in Husqvarna's K 540i power cutter and DE 110i dust extractor.

Both the efficient battery-operated drive unit and the eccentric unit are completely maintenance-free. Together with the brushless motor, this means lower running costs and a better total cost of ownership while keeping downtime to a minimum.

An all-star line-up of diamond tools for surface preparation/refinement

Husqvarna has consolidated and streamlined its diamond tool offering for surfaces and floors, and now introduces one complete and improved range under the Husqvarna brand. With this new portfolio, Husqvarna further strengthens its position as the partner of choice for industry professionals.

The new portfolio is the result of two years of intensive market and product research, as well as



LF 60i LAT battery-powered forward plate compactor

Also at World of Concrete, Husqvarna introduced the LF 60i LAT, the first forward plate compactor based on the BLi-X 36 V battery system. This battery-powered compactor is designed to deliver efficient asphalt and soil compaction while being very easy to handle.

The LF 60i LAT shares many of the same features as Husqvarna's standard petrol machines, with the advantages of battery power, such as turning on/off with the push of a button—no choke, rope, or throttle control are needed. The machine also creates a better work environment with zero CO2 emissions and low noise.

Other features include large transport wheels and a low-vibration, foldable handle for convenient transport all add to ease of operation. The removable, easy-to-fill water tank allows precise control of water flow. At the same time, the convex bottom plate and sprinkler system are designed to prevent



100 years of combined experience from Husqvarna, HTC and Blastrac. The range brings together the best tools from these three brands to cover every step of a project, from coating removal to grinding, polishing and edging, as well as special applications such as natural stone and wood.

Husqvarna's diamonds are custom made to meet the specific needs of each tool. To ensure consistent high quality, an in-house team of diamond experts oversees the entire manufacturing process, including sourcing, testing, and regrinding.

In addition, all diamond tools will now come in appropriately sized cardboard boxes, providing protection from shock and humidity, and reducing the use of plastic and waste at the construction site. The packages also are easy to stock, and provide clear information about each tool's use.

www.husqvarnaconstruction.com

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 **SERIES**

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NEVADA GO

World of Concrete marks its 50th anniversary

Face it, World of Concrete and Las Vegas are made for each other. What better place to stage a yearly event showcasing everything for the concrete and masonry industries than a city that has...well, everything.

And the 50th anniversary World of Concrete held this past January was no different. The aisles and outdoor spaces of the Las Vegas Convention Center were chock-full of displays, demonstrations, and—to the delight of the organizers and exhibitors—people, a lot of people. There was even a wedding.

First the numbers. According to organizer Informa Markets, World of Concrete's 2024 edition continued its post-pandemic resurgence by attracting nearly 60,000 registered professionals, a 23% increase from 2023. More than 1,400 companies, nearly a third of which are based overseas, occupied more than 700,000 ft² (65,000m²) of indoor and outdoor space, maintaining World of Concrete's standing as Las Vegas's second-largest annual trade show. (In case you're wondering, the Consumer Electronics Show, held two weeks earlier, is number 1 at twice the attendance/exhibit space.)

Compare that turnout with the first World of Concrete, held in 1975 at the Hyatt Regency Hotel in Houston. Co-sponsored by the American Society of Concrete Contractors (ASCC), and the American Concrete Pumping Association (ACPA), the event attracted 1,550 attendees and more than 70 exhibitors. Over the next three decades, World of Concrete became something of a moveable feast, staged in a

rotation of venues that included Las Vegas (first time in 1976 at what is now the Westgate), New Orleans, Phoenix, Houston's Astrodome, and Orlando, before making Las Vegas its permanent home in 2004.

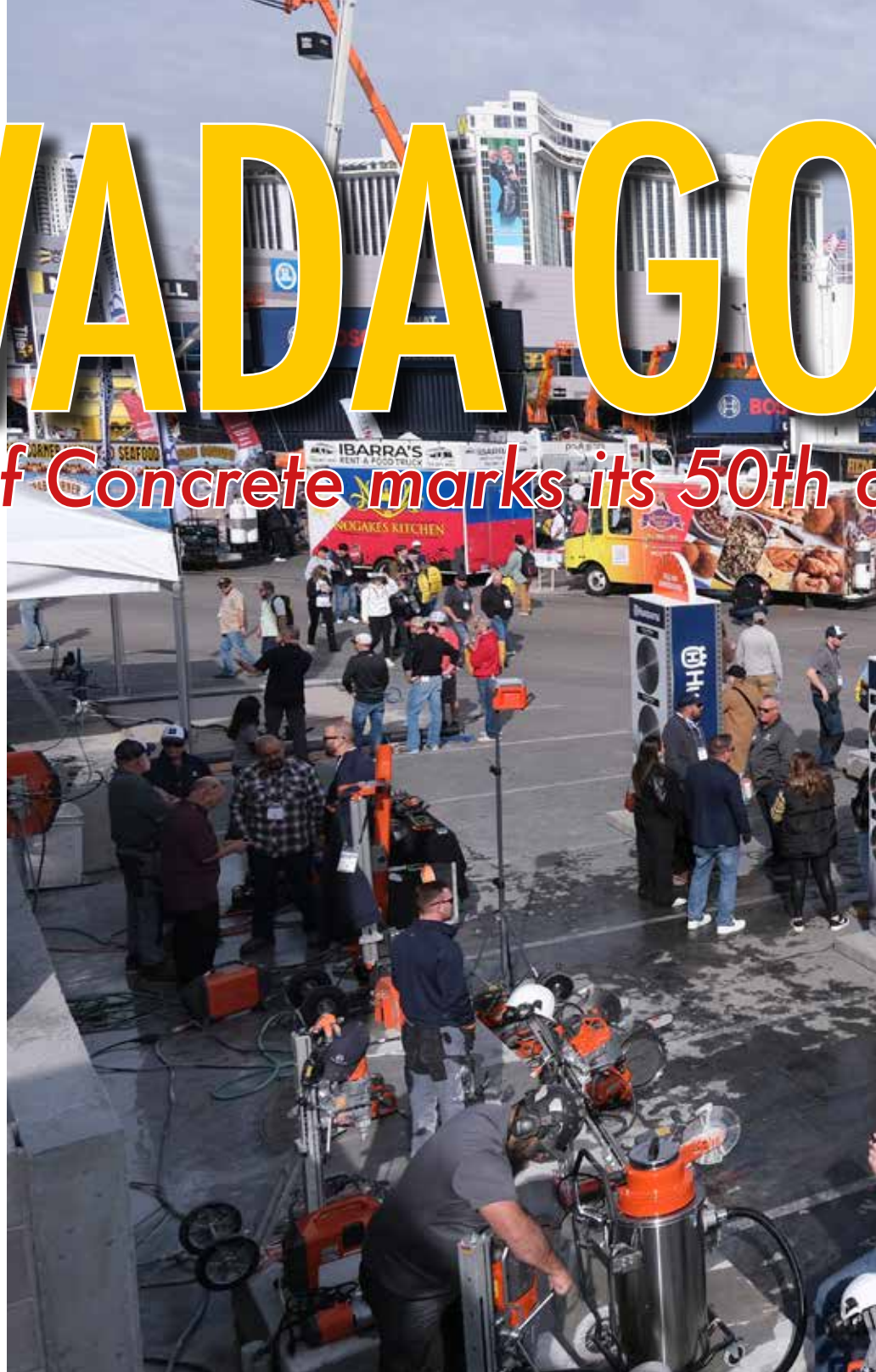
Now with an alphabet soup of more than a dozen sponsoring organizations, World of Concrete is a staple of the construction industry's wintertime trade show circuit, with the exception being the COVID-delayed 2021 edition. But even then, organizers and the city found a way to maximize the summertime spotlight, using the event to debut the

Convention Center's new West Hall and herald Las Vegas's post-pandemic resurgence (as if there was any doubt that would happen).

But enough with the history lesson; what about the 2024 show? Well, as stated above, there was pretty much everything concrete and masonry contractors could ask for. Here are some highlights.

Batteries, batteries, batteries

Appropriately in step with figurate trend of "cutting the cord" from cable TV in favor of Internet streaming



GOLDEN DAYS

anniversary in true Las Vegas style.



services, tool manufacturers are providing more ways for contractors to work untethered from electric feed lines. DeWalt and Milwaukee Tool offered a variety of products based on new, longer-lasting battery platforms, while Bosch touted the success of the 30-member AMPshare multi-brand 18V battery alliance, which facilitates interoperability between tools and brands, including Bosch's CORE platform.

Speaking of Bosch, the company also announced that 2024 would see more than 30 new products brought to market, the majority of which

are set for release in the second half of the year. Some of the recent innovations were on display at its always-expansive outdoor booth, including the GSB18V-800C 7-in impact hammer drill/driver and GSR18V-800FC 5-in-1 drill-driver, both of which provide 565 lbf in (63.8 Nm) of max torque. There was also the GBH18V-28CN 1-1/8-in rotary with a self-contained dust collector, and the 12V GW-G12V-20S 7-in (6.35mm) right-angle die grinder with a new user interface and variable speed trigger.

Husqvarna displayed a number of battery-pow-

ered offerings as well, including the 4.17kg K540i, which also can cut up to 4-in (100mm) deep with blades up to 10.5-in (267mm) in diameter, and the 2.4kW DM 1 core drill. The stand-mounted machine uses bits of up to 15.75 in (400mm).

Stihl debuted its new TSA 300 battery power cut off saw, with a 12-in (305mm) wheel that can cut slabs up to 4-in (100mm) thick. Compatible with the company's AP battery platform, the TSA 300 features a low-noise wheel, a magnetic filter that protects the motor from fine metal dust particles, and a maneu-



The Pentruder team from the right to the left: Christoffer Johnsen, Björn Engström, Elin Skantz and Martin Persson around the new fascinating Pentruder MDU3 core drilling system.



Shelly Han from Widecut in South Korea.



The Von Arx team at WOC, in the center owner Fredrik Åkermark.



Great reunion in the Brokk booth together with two real Brokk veterans, second and third from the left, Lars Lindgren and Mike Martin. Far left Jan Hermansson, far right Vitor Hermansson and his brother André.



Mike Orzechowski from Diteq.

verability-enhancing magnesium cutting wheel guard.

Also on display at the Stihl booth were two of several conventional-power concrete saws introduced at World of Concrete. The gas-fueled TS 710i and TS 910i STIHL Cutquik® models, both scheduled for full release later this year, feature electronic fuel injection, anti-vibration technology, and the X2 Air Filtration System that reduces maintenance-related downtime. The TS 710i, a replacement for Stihl's TS 700, is used with a 14-in (355.6mm) cutting wheel, allowing for maximum depth cut of up to 4.9 in (124.5mm). The TS 910i, which Stihl says will be the largest gas-power cut-off saw on the market, is designed for 16-in (406mm) blades and a maximum depth cut of 5.7 in (145mm).

For bigger cutting jobs, ICS/MERIT displayed its new 57-hp (42.5kW) M500 gas-powered concrete cutting flatsaw that features a four-speed gear box, a parking brake for slopes up to 15 degrees, and a larger fan/cooling system. In a departure from the "more is better" technology, ICS/MERIT says the M500 features more manual systems, reducing the complexity sometimes associated with electronics-heavy equipment.

Elsewhere in the saw spectrum was the MC 800 joint hog saw from US Saws. The propane-powered milling machine can remove concrete sections up to 4 in (101.6mm) wide and 1.75 in (44.5mm) deep to repair spalled joints using 8-in (203.2mm) blades. With a cutting speed of up to 30 in (762mm) a minute,

the saw also be used for grooving, cutting inlays, and preparing floors for permanent line striping.

Several grinders were on display as well, led by the debut of Superabrasive's new 31-in (783mm) and 20-in (510mm) models, both available in propane and electric models.

The wheel deal

Celebrating its own 50th anniversary, Kubota came to World of Concrete with its new KX080-5 compact excavator, a 67-hp (50kW) machine with digging depth of approximately 15 ft (4.6m) and maximum dumping height of just over 17 ft (5.2m). A two-pump load-sensing hydraulic system supports a variety of attachments.



Two well-known concrete cutting faces, left Peter White from D-Drill, right Julie White D-Drill and José Blanco, secretary of IACDS.



Adele Wu from Ashine in China.



Strong appearance i Las Vegas from the Ukrainian diamond tool manufacturer Distar. The world must go on somehow despite Russias invasion of Ukraine. From the left Liudmila Panchenko and right Julia Skipa with Jan Hermansson.

Illustrating what the company says is its move from simply being an "equipment provider," Kubota also displayed its new RTV X1130 diesel utility vehicle with a 6-ft (1.8m) long bed configuration. Built at Kubota's Gainesville, Ga., manufacturing plant, the truck features a 26-ft³ (.7m³) storage bed that is easily accessed from three sides. Similarly, company's new RTV-X utility vehicle represents another advancement in this product line, with a three-cylinder 24.8-hp (18.5kW) diesel engine that produces 51.4 lbf (70Nm) of torque.

Several Chinese equipment manufacturers brought micro-sized products to World of Concrete. They included Kingstone's 13.8-hp (10.3kW) XN12-9 diesel crawler excavator with a 62.2-in (1,580mm)

digging depth, and BDI Equipments' BDSW-65 diesel skid steer loader with a nearly 2,100-lb (952.5kg) capacity. BDI also showed its 25-hp (18.6kW) BEX-3 mini skid steer with a 1,945-lb (882kg) loading capacity.

As reported elsewhere in this issue of PDa, Brokk introduced its new range of SmartPower+ robots, designed to last longer and increase operational uptime while also significantly reducing the number of cables and connectors. The "brains" of the SmartPower+ range is a new ergonomically designed control box ergonomically designed with tilted joysticks and easier-to-reach features, including an emergency button that shuts down the robot remotely.

Demonstrating that there's always room for com-

petition in the remote-control demolition sector, Husqvarna introduced its new half-ton DXR 95, the lightest and most compact of the company's now-model line. The DXR 95 provides 3.1 hp (2.3 kW) of power and 3,626 psi (250 bar) to the end-of-arm tool, and can manage steep inclines of up to 30°.

As usual, the manufacturer Pentrunder took the opportunity to show its wide and powerful range for concrete cutting. What particularly attracted the visitors' interest was the company's new Pentrunder MDU3 core drilling system.

The well-known manufacturer of concrete cutters, Von Arx, which is now owned by Fredrik Åkermark, took the opportunity to show off its new and wide range of, among other things, dust extractors.



Alessia Valerio at MB Crusher.



Steve Terpstra and Craig Penty from Australian Guard Systems showed a very innovative system to eliminate both silica dust and fumes when power cutting. A dust extraction system connected to a power cutter takes care of an eliminate both fumes and silica dust from the workplace.

World of Concrete 2024 was more than ever an excellent opportunity to reconnect with old acquaintances within the industry. Some examples of companies in our industry were Hilti, Superabrasive, US Saws, Widecut, Dymatec, Lissmac, Diamond Products, Sonmac, Diteq, Antraquip, Ashine, Distar, Shibuya, Syntec, MB Crusher to mention a few.

Something new and different

World of Concrete 2024 saw a record 325 first-time exhibitors, one of which was Ignite Attachments. Founded fewer than two years ago, the Moorhead, Minn., e-commerce company says it has already launched more than 100 products, with another 30 in the works, including aggregate and demolition



Fredrik Linell from Husqvarna Construction products in front of the new demolition robot Husqvarna DXR 95.



The Superabrasive team at World of Concrete 2024.



From the right Jonas Dahlman, Sara Slättenberg och Maja Gustafsson från Sundstrom Safety Inc.

buckets. Fluids, lubricants, and ground-engaging wear parts will also be added to its product portfolio this year, the company says.

Ignite introduced itself in a big way with its new three-model line of nitrogen breakers designed for mini track loaders and skid steer loaders. The breakers range in weight from 503 to 1,005 lb (228 to 456 kg), with the largest model delivering up to 819 lbf (1,110Nm) of impact energy.

The company's approach to customer service begins before the sale. A "Fit Finder" tool on its website helps users match its breakers and other attachments to the customer's carrier size. Each attachment is affixed with a QR code that connects users to the appropriate manuals electronically, with

helpful "how-to" videos soon to be added.

Australia-based Makinex celebrated a couple of anniversaries at World of Concrete—it's 20th overall and 15th in the US. Touting "simple innovations that just work," the company has produced items ranging from a multi-position jackhammer trolley for removing floor tiles and other coverings from concrete surfaces to the updated version of the Portable Power Box, which the company says provides 10kW of jobsite power for and 15 kWh of battery storage.

And who couldn't use a lift these days—especially when it's something heavy. GRABO impressed many World of Concrete visitors with its line of portable vacuum lift tools. The company says its flagship Pro-Lifter 20 (with a vacuum pump capacity of 20



From the left Toprak Baris Örtülü from Turkish Sonmak Diamond Tools and the diamond tool veteran Metin Sakarcan.



Vaughn Newton from Dymatec USA.



Ingo Heiland and Grayce Mandsager from Lissmac Corporation in Mechanicville.



Happy gang from the Australian diamond tool manufacturer Syntec.

liters/min) stays secure to loads up to 375 lb (170kg). GRABO also offers an attachment makes it easier for two workers to carry and place large, heavy materials.

A different kind of aggregate

There are any number of distinctive wedding venues at Las Vegas, but James and Patricia Estrada chose the Convention Center's grand entrance at World of Concrete as the place to tie the knot. Elvis apparently couldn't make it, but celebrity Mobile Minister Roland August filled in an officiant, while show attendees provided an impromptu congregation.

According to a World of Concrete press release, James Estrada explained, "I've been married to concrete for 30 years, it was finally time I married Patricia.

It felt like the right moment and right place to share the blessings my career has provided." There's no word whether the happy couple took home any new breakers or saws as wedding gifts, but World of Concrete did present James with a "lifetime membership" to commemorate his legacy with the show.

The Estradas' wedding was actually the second World of Concrete-related ceremony of the week, as a couple who met while working at an Australian construction firm made the most of their very long trip to Las Vegas by getting married the Sunday before the show opened.

So how will World of Concrete top all this when its 51st edition rolls around next January? Rest assured they'll think of something. It is Las Vegas, after all.



Makinex portable power box.



Now Caterpillar has started to produce diamond tools as well.





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KEMROC Rotary Drum Cutter Tackles a Task Requiring Precision

To underpin an existing building in Germany, construction company Karl Immig used a 25t crawler excavator equipped with a KEMROC EKT 100 rotary drum cutter, to excavate rock with precision and with little vibration. Thanks to a 3D excavator grade control system, it was extremely fast and accurate.

With a new office building scheduled to be built next door, protecting the existing building from settlement would require excavating 5,900 yd³ (4,500 m³) of material. Ground conditions under the topsoil consisted of a hard, layered rock was difficult to loosen using the excavator bucket. Excavating the material from under the façade with a hydraulic hammer was not even considered because of the unavoidable, harmful vibrations to the building and the sensitive technical equipment inside.

The step-by-step method began with Immig's operator placing the EKT 100 in front of the exposed façade to mill a



recess approximately 1 ft (30cm) deep into the rock beneath the building. This was repeated at intervals of about 39 in (100cm) along the 49-ft (15m) long façade. Steel reinforcement was placed in the excavated recesses, which were then filled with concrete. After hardening, the strips between the reinforced sections were processed in the same way.

The KEMROC drum cutter attachment was used to excavate trenches for the new building's utilities. The excavator used on this construction site was equipped with a 3D excavator grade control system that can be programmed with electronic planning data of the construction project, allowing

the operator to create declines or embankments with the excavator bucket. This works just as well with a KEMROC drum cutter attachment as it does with a bucket. Once the system is calibrated, the drum cutter attachment can be guided with high precision.

This is exactly what the machine operator used when excavating the 262-ft (80m) long trenches for drainage pipes. The operator's ability to quickly understand how the system worked became apparent towards the end of the project, as the package of replacement picks provided by KEMROC for the rental attachment was returned to the manufacturer unopened.

Simplicity Defines Epiroc's New V Cutter Model

Epiroc has launched the new VC 3000, containing all the remarkable benefits of the successful V Cutter range that has set a new standard in trenching and quarrying. A seemingly simple solution with an extraordinary effectiveness, the V-shaped design enables a cut with a flat base, leaving no material untouched between the drums, and achieving energy savings of up to 40 %.

"We're pleased to present an alternative that will save time and money in virtually every aspect, from investment to energy and wear on the carrier," says Gordon Hambach, Epiroc's Head of Strategic Marketing for Hydraulic Attachment Tools. "And it's all achieved by the angles of the drum."

Unlike a regular drum cutter that must move side to side to create an even trench, Epiroc VC cutters can reach the same result by just going straight. Taking the reduced downtime and maintenance into account makes the calculation even more attractive.

The distinguishing features of the classic Epiroc

drum cutters—robust spur gears, adoptable high torque gear motor, and QuickSnap retaining system for fast and easy pick changing—are all to be found in the new VC 3000, which comes with a service weight of 7,000 lb (3,200kg) and is suitable for excavators of 35t to 55t. Other features include the Pro bracket, which leads all hydraulic hoses through the center of the extension arm and out of harm's way; mechanical and hydraulic rotatable brackets; and a dust-preventing water spraying system. HATCON™, a monitoring system tracks operating hours, location, and service intervals via MyEpiroc is another option that will increase the overall effectiveness.

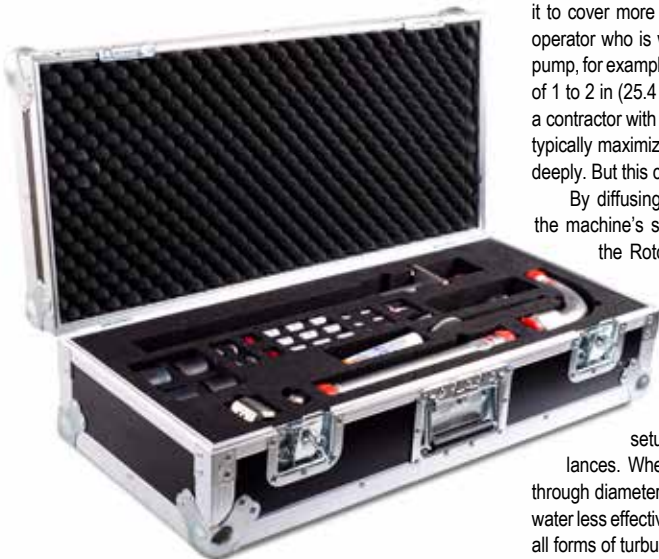
As standard, VC cutters are equipped with Epiroc's unique Hexagon Picks, a new range for all types of drum cutting equipment. Though at first glance, the hexagonal body shape may sound like a simple modification, it is, in fact, an ingenious industry first that will make daily maintenance easier, faster and less costly. The secret is that unsticking or replacement

of the HexPicks can be performed quickly and easily with a hexagon wrench. Epiroc claims that HexPicks are also more durable and will last up to 20% longer than all competing products.

www.epiroc.com



Aquajet Offers Super Lance System for Ultimate Concrete Removal Versatility



The Super Lance System gives operators more control over the concrete removal depth, plus multiple options to achieve an ideal result.

Aquajet's Super Lance System increases the versatility of its line of Aqua Cutters by allowing for several configurations. The system includes multiple parts—elbows, lance extensions and different nozzle options—to give operators more control over



Dual and triple nozzle heads split the waterjet to impact the concrete at multiple points, allowing it to cover more surface area in each pass.

the concrete removal depth and as many options as possible to achieve an ideal result. Each element of the Super Lance System serves an important purpose to help contractors problem solve. Elbows help operators navigate tricky obstacles while lance extensions can be stacked to create the correct length required for the application.

One exciting option for the system is the dual/triple nozzle head that is compatible with all lances and lance extensions, elbows and Rotolances. The dual and triple nozzle heads split the waterjet to impact the concrete at multiple points, allowing

it to cover more surface area in each pass. This allows an operator who is working with a very powerful high-pressure pump, for example, to effectively execute a shallower removal of 1 to 2 in (25.4 to 50.8 mm). Without the dual/triple nozzle, a contractor with a 500-hp (373kW) horsepower pump would typically maximize speed and oscillation to avoid cutting too deeply. But this can compromise the quality of the result.

By diffusing the water jet, the operator can decrease the machine's speed while retaining a shallow cut. When the Rotolance, Aquajet's surface preparation tool, is configured with the dual and triple nozzle heads, it provides rotational hydrodemolition for effective shallow removals from 0.4 to 2 in (10 to 50 mm). The dual and triple nozzles feature Aquajet's unique Laminar Flow Director (LFD) concept, making the setup as efficient as using two or three separate lances. When water flow changes direction or passes through diameter changes, it creates turbulence, making the water less effective. The LFD design avoids this by eliminating all forms of turbulence before water enters the nozzles. Dual and triple nozzle heads work with lances, lance extensions and Rotolances.

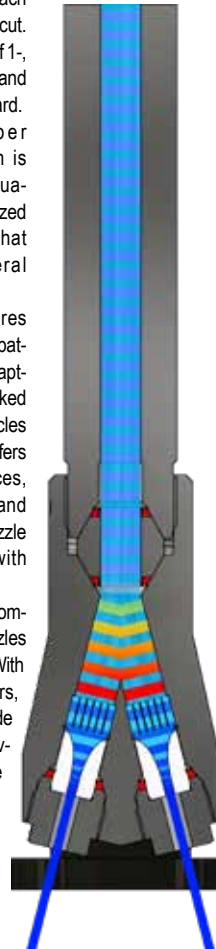
Another highlight of the Super Lance System is the cross-nozzle configuration option for all Rotolance models. The cross nozzle intersects two water jets at a certain depth, canceling each other out to achieve a very precise cut. It's available with removal depths of 1-, 2-, and 4-in (30-, 60- and 100mm) as standard.

The Super Lance System is based on Aquajet's standardized Aqua Cone that makes several configurations possible. It features unique elbows compatible with all hose adapters that can be stacked to go around obstacles as needed. It also offers nozzle types, lances, lance extensions, and the dual nozzle head and triple nozzle head to provide contractors with greater versatility.

The Super Lance System is compatible with Aquajet's ceramic nozzles engineered for extreme durability. With an expected lifetime of 350 hours, Aquajet's ceramic nozzles provide industry-leading longevity, cost savings and productivity to maximize efficiency on the toughest jobs.

www.aquajet.se

Aquajet's Laminar Flow Director eliminates turbulence of the water before it enters the nozzle.



Mecalac Adds 3 Dealers to North American Network

Mecalac welcomes three new North American dealers to its growing network. With these appointments, Mecalac's dealer network now covers over 30 states across the continental United States and seven Canadian provinces to offer increased access and customer support for existing customers in the utility, construction, landscaping and recycling industries.

RJV Equipment will help with sales and service for contractors throughout middle and northeast Tennessee. Opened in 2010, RJV sells and rents construction equipment and provides parts and service support for a variety of industries from locations in Knoxville and Nashville. Helping connect Mecalac with contractors on Long Island and New York City is All Island Equipment of West Babylon, N.Y. The family-owned business celebrates 54 years of experience providing contractors with quality construction equipment backed by an unsurpassed commitment to customer satisfaction. The EquipmentShare subsidiary Victor L. Phillips Company, located in Kansas City, Mo., will expand Mecalac's coverage in the Midwest with five locations throughout Kansas and northwest Missouri. Celebrating its 100th anniversary in 2011, the heavy equipment company specializes in offering equipment sales and service through a hands-on approach to customer satisfaction.

www.mecalac.com



Volvo CE Adds Two Excavators

Volvo Construction Equipment is bringing two new compact excavators to North America, the 3.5-ton EC37 and the 4-ton. These models replace the EC35D, ECR35D, and ECR40D. While the two models share the same platform and components, the EC37 has a conventional upper carriage design. The ECR40 excavator has a short swing radius to allow for work in more confined spaces.

The EC37 and ECR40 include a new elongated undercarriage for optimum stability in almost any environment, thanks to the better weight balance provided by longer contact between the tracks and the ground. The adjusted center of gravity reduces the "rocking chair effect" other compact excavators may create. The counterweight has been standardized across these two models, and for Volvo CE's ECR50 and ECR58 excavators, to simplify component needs for fleets with multiple models. The intuitive jog wheel and easy-to-navigate HMI functionalities provide controllability and adaptability for any job requirements. Work modes now include an ECO mode and an auto engine shutdown in addition to the existing auto engine idle. With auto engine shutdown, hours not worked are not recorded, keeping the machine operating efficiently for longer while reducing maintenance costs, and boosting fuel efficiency by 10%.

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The Desert Becomes the New Frontier in Egypt



Building large-scale projects in the desert is a complex endeavor that demands innovative solutions, like MB Crusher attachments.

When Egypt's government unveiled its Vision 2030, its centerpiece was the New Administrative Capital, currently under construction in the outskirts of Cairo. The 270-mile² (700km²) development features the Army octagon; stunning residential, business, and administrative districts; a sprawling urban park reminiscent of the Nile; Africa's tallest skyscraper; an airport; a super mall; and much more.

Amid rising prices and escalating transportation costs, the project's developers leveraged MB Crusher attachments to repurpose existing rocks and waste from a nearby project into high-quality aggregate, saving a staggering sum and avoiding logistical difficulties. The integration of MB Crusher attachment in a large-scale project showcases the potential of innovative technology to revolutionize traditional practices. The cost-efficiency achieved through these attachments translates into economic savings, contributing to the overall viability of any project.

As the construction of the New Administrative Capital city gathered momentum our client equipped a Dossan DX340 with an MB Crusher BF120.4 jaw crusher bucket to recycle materials. All that is needed to run the MB Crusher bucket is one excavator and one operator. Producing 366 yd³ (280m³) per 8-hour shift and operating with two shifts per day this amounted to a remarkable 732.5 yd³ (560m³) of aggregate produced. Even better, producing aggregate on site saved the project the equivalent of more than US\$2,100 each day.

Streamline operation and Cost-Efficiency

The New Delta Project is a huge achievement for Egypt as it will be the largest water treatment plant in the world, with a daily capacity of 9.8 million yd³ (7.5 million m³). In the realm of modern development, this project of unprecedented scale has an extensive 311-mile (500km) road network. The realization of such a colossal undertaking hinged on more than mere ambition; it demanded adherence to strict schedules, and the formidable challenge of meeting project timelines without compromising quality or incurring exorbitant costs was assigned to the MB Crusher BF135.8 bucket.

The BF135.8, with its remarkable load capacity of 2.1 yd³

(1.6m³), proved to be the perfect tool for the job, surpassing the capabilities of larger fixed crushers and significantly boosting productivity and slashing cost by nearly 40%.

Streamlining of operations, by using the BF135.8 mounted on the Doosan 480LC is the reason behind the savings in this large project, MB Crusher attachment allowed the reduction in labor requirements, from over a dozen individuals and several machineries to just one excavator and operator. And eliminated the need for transporting materials to a fixed site, further optimizing time and resources. Plus the utilization of natural resources already at the site minimized waste.

Enhancing connectivity

More than 1,240 miles (2000km) of high-speed rail will connect 60 stations throughout the country, including the New Capital City and enable around 500 million journeys a year. As one of the most ambitious infrastructural projects in recent times, this high-speed rail network is poised to redefine connectivity and bolster economic growth.

As the high-speed rail represents a sustainable mode of transportation, significantly reducing carbon emissions compared to conventional modes of travel like cars or airplanes, it made sense that its construction likewise contribute to Egypt's environmental goals.

An MB Crusher BF80.3 mounted on a Dossan 300 aligns seamlessly with the project's commitment to sustainability. By recycling materials on-site, the construction minimized environmental impact by reducing transportation needs, raw material purchasing and the time and effort of loading the material on the truck it reduces the need and the cost of the toll road, transportation fuel and a lot of other things. Beyond the financial savings, this approach upheld principles of sustainability. By reusing existing materials, the project reduced its environmental footprint by minimizing transportation needs and landfill waste.

The story of Egypt's new infrastructures, empowered by MB Crusher attachments resourcefulness, stands as a testament to human innovation and it is a symbol of a progressive, forward-looking future. It showcases how thinking outside the conventional norms and leveraging innovative solutions can pave the way for a more efficient, cost-effective, and sustainable future in construction.

Temp-Bust-R Ventilation Fans Available from General Equipment Company

General Equipment Company now offers three models in the TEMP-BUST-R® ventilation fan line: the 30-in (762mm) diameter EBF30, the 36-in (914.4mm) diameter EBF36, and the new 42-in (1,067mm) diameter EBF42.

All three fans feature direct-drive, three-speed motors, and are built to withstand abuse better than traditional metal-built alternatives. They also are designed with exclusive performance features to make them ideal for a wide variety of applications and industries. The units also include 115 VAC, 60 Hz electric motors and offer three fan speeds.

The EBF30 is powered by a 0.5-hp (.3kW) motor and produces between 4,200 to 6,000 CFM of output, while the larger EBF36 uses a 0.75-hp (.6kW) motor and delivers between 9,200 and 11,200 CFM. The largest-size EBF42 model is powered by a 0.75-hp (.6kW) motor and achieves between 16,500 and 18,500 CFM.

The line also features enclosures constructed of lightweight, yet heavy-duty double-walled, high-density polyethylene that are UV-resistant and corrosion-proof. Combined with aluminum blades, steel hubs and integral powder-coated steel-wire safety screens, the fans are built to endure the rigors of any jobsite. The integral GripStop™ feature, uses a rigid steel support bracket with poly surface grips to help keep the fan in place during operation and prevent movement on unlevel surfaces and inclines. The blade assembly is precision balanced to reduce vibration, which also decreases unintended movement in addition to minimizing sound.

An extremely compact design that allows multiple TEMP-BUST-R units to be stacked horizontally on a pallet for easy transport or storage. Other standard features include integral handles and large, 6-in (152.4mm) diameter wheels to maximize ease of mobility. Flip-N-Store™ storage offers a convenient, self-contained cord management solution on the EBF30 and EBF36. On the EBF42, a convenient molded-in cord-storage channel is provided.

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