



SHOW ISSUE

PROFESSIONAL DEMOLITION AMERICAS

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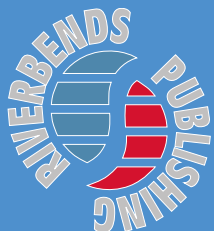
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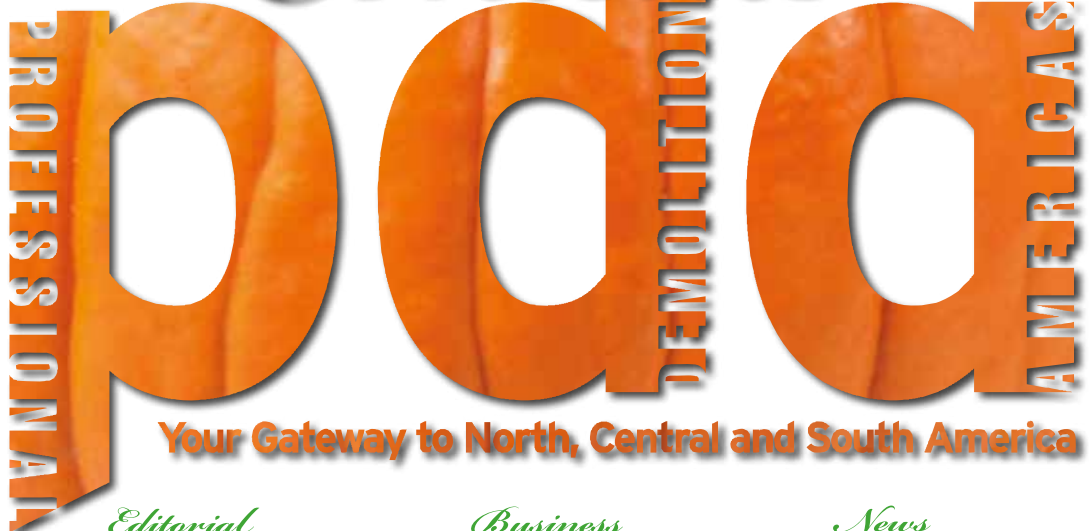
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Modern Problems

"I know engineers; they love to change things."

For the non-Trekkies out there, that line from the first Star Trek movie was uttered by a grumpy Dr. McCoy, who had just been transported aboard the re-fitted starship Enterprise (using a technology that he never much cared for either). Somehow, he adapted quickly and applied those presumably enhanced medical tools to treat ailing crew members through the rest of the film, and its five sequels.

In the 45 years since that movie was released, I've come to appreciate how prophetic Dr. McCoy's observation was. When I saw it in college (in a theater with a lot of engineering students, I might add), we were still doing computer programs with punched cards, comparing the merits of our handheld "scientific" calculators, and feeling overjoyed when the barebones cable TV system pulled in that elusive third broadcast station from across the mountains.

Yet as all those engineers continue to make change upon change upon change, I've also found Dr. McCoy's grumpiness was prescient as well. Who among us hasn't gotten bogged down with automated "chats" designed to provide speedy answers to questions or problems, when speaking with a real human really would have been faster. My otherwise wonderful car's build-in maintenance reminder now nags about things I already know are important. Sure, it may help some people, but I shouldn't have to search YouTube for a way to make it stop.

Obviously, grouching about change does no good, for it will happen anyway. And admittedly, for the most part, it works out for the best. For example, my

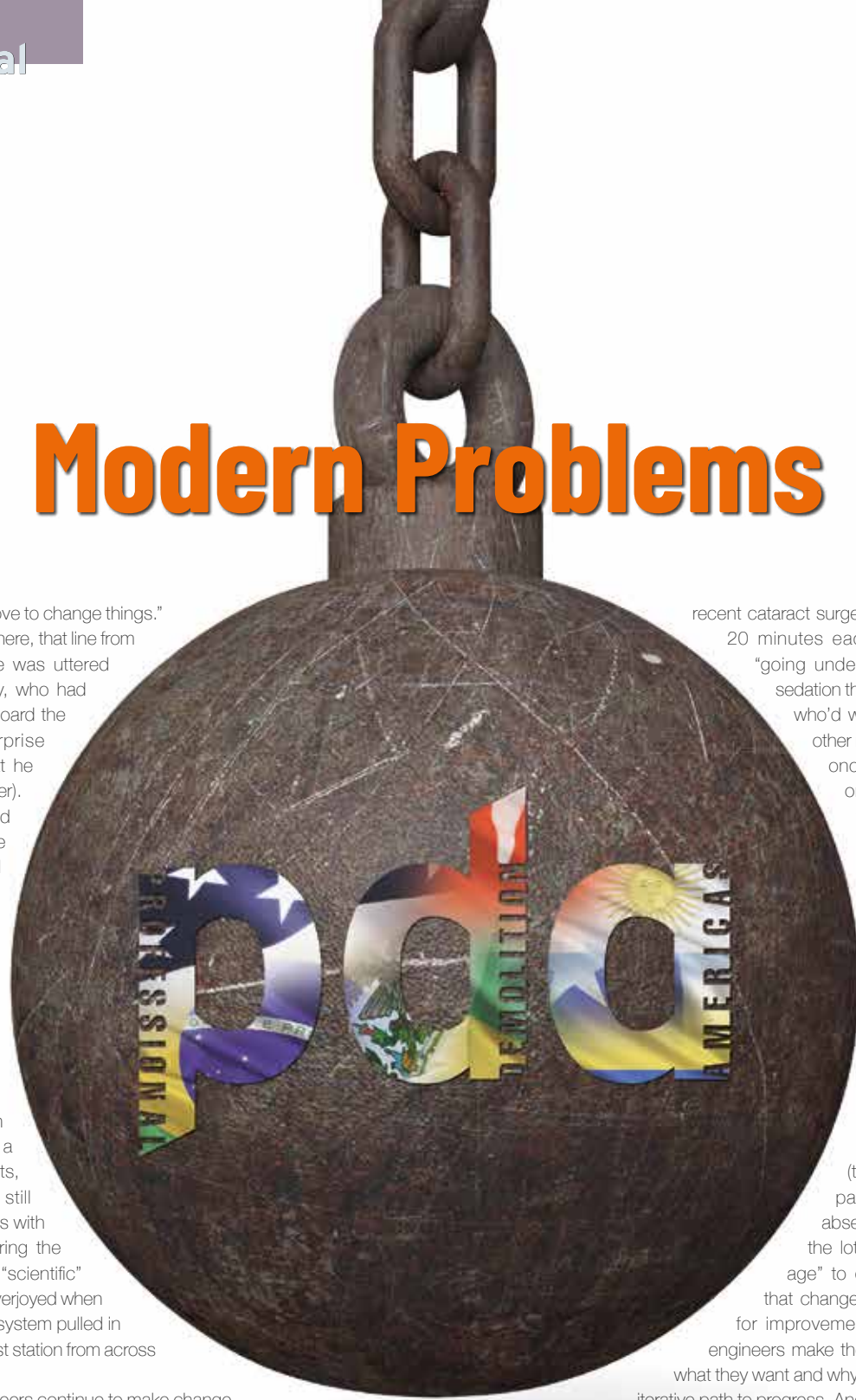
recent cataract surgeries took little more than 20 minutes each—I spent more time "going under" and "coming out" of sedation than with the surgeon. And who'd want to do without those other medical marvels that treat once-hopeless conditions, or infrastructure systems that deliver clean water to our homes and back to our waterways. Even ability to access cash from anywhere in the world via an ATM is pretty neat.

Don't get me wrong; I like modern technology and all the conveniences and innovations usually taken for granted in our "have it your way" age (though the promised jet-packs are conspicuously absent). And maybe it's just the lot of people of a "certain age" to complain. It just seems that change is best when the need for improvement is either obvious, or engineers make the effort to first ask users what they want and why, making them part of the iterative path to progress. And that's typically what you see in the product announcements and reports we publish in PDA—manufacturers work with their customers to develop new and enhanced features that will make their work more productive, and help them tackle challenges such as compressed schedules and labor shortages.

If more engineers in more industries did things like that, yes the pace of change might well be slower. But at least we'd be

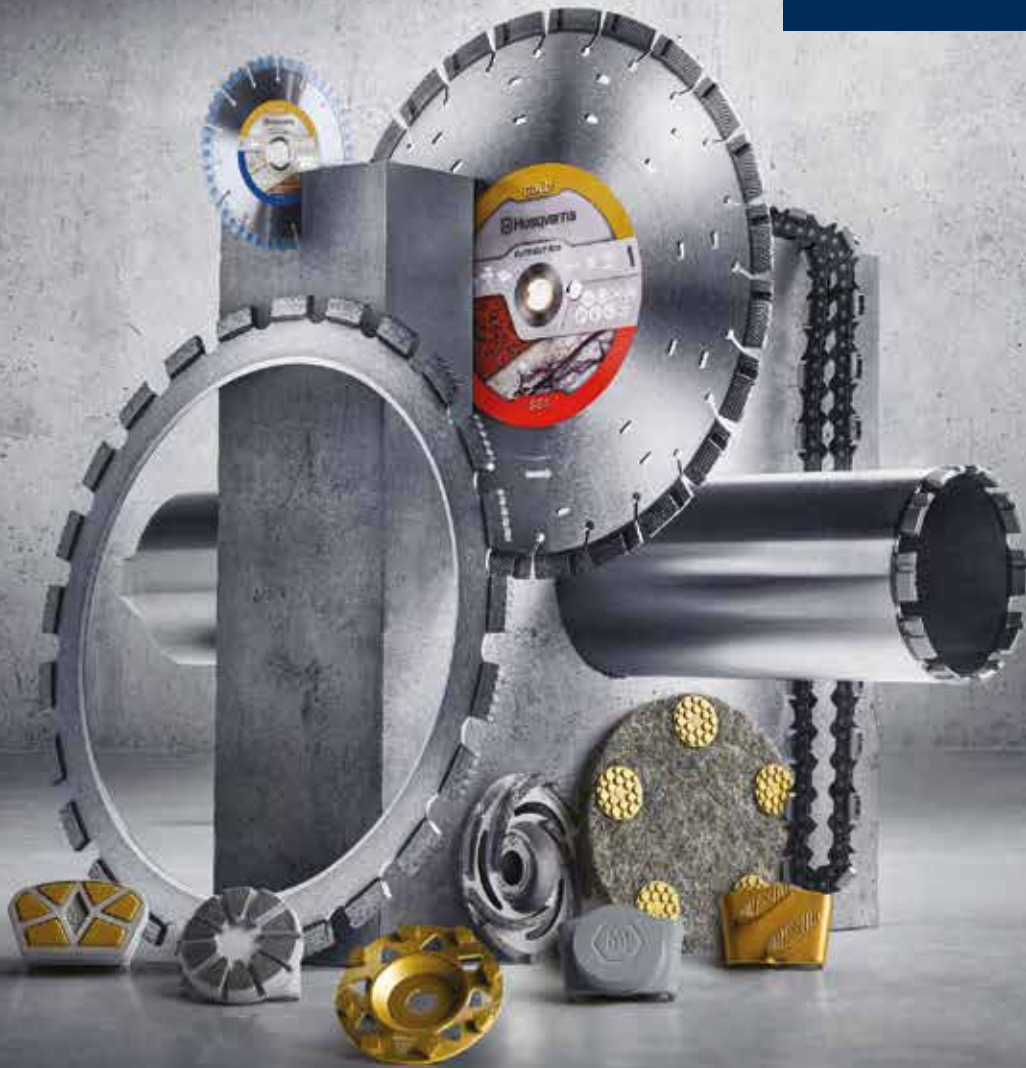
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Jim Parsons, Senior Editor
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PDa Magazine is pleased to present regular updates from the US National Demolition Association. This column comes from NDA Executive Director Jeff Lambert.

NDA Committees: A Buzz of Activity

The National Demolition Association (NDA) is buzzing with activity! Our marketing campaign is a huge success, driving a surge in membership interest and convention registrations. We've welcomed 35 new members in just the last four months.

A new year means we're that much closer to an action-packed Demolition New Orleans, NDA's Annual Convention & Expo, March 5-8. This year's conference boasts:

- **Double the Learning:** Two dedicated education stages will feature informative sessions for all interests.
- **Pre-Convention Equipment Maintenance Course:** Sharpen your team's skills before the big show.
- **Live DEMOLition Event® at NOLA Motorsports:** Witness demolition expertise in action and network with colleagues.
- **Family Fun & Giving Back:** Take a ride at the Live DEMOLition go-kart course, and support scholarships at the same time.
- **Keynote Speaker: Derek Gaunt:** Learn valuable negotiation tactics from a seasoned law enforcement expert with nearly three decades of experience.
- **Certified Demolition Supervisor Certification:** Get certified onsite during the convention's testing window.
- **Closing Party: NDA's Big Easy Bash:** Celebrate industry achievements and relax with colleagues at the historic Crescent City Brewhouse.
- **Awards Ceremony:** Recognize industry leaders and celebrate successes during this prestigious event.

Registration for Demolition New Orleans is open. Bring your family, friends, and crew to this must-attend event.

That's not all. NDA is also finalizing a new Certified Demolition Technician exam based on recent job analysis findings. Launching this year, the certification assesses and recognizes the skills of foreman and laborers, complementing the existing Certified Demolition Supervisor program. Both certifications showcase your company's commitment to safety, continuous learning, and top talent, setting you apart in the industry. Win work by including the valuable certification in your bids.

And if you're not yet an NDA member, you're missing out. Join today and enjoy the benefits of membership, including access to valuable certifications. Learn more at www.demolitionassociation.com.

Jeff Lambert
Executive Director

www.demolitionassociation.com

Hilti Recognized for Carbon Management Leadership

The Hilti Group has achieved a Gold rating in the EcoVadis assessment for the fourth consecutive year. This prestigious recognition places Hilti in the top 2% of more than 130,000 companies evaluated across all industries worldwide and in the top 1% in its industry segment. EcoVadis, a globally recognized provider of business sustainability ratings, declared Hilti to be a "leader in carbon management" and a "company with a 'best-in-class' greenhouse gas management system and strong ambitions for decarbonization." This outstanding rating is also based on Hilti's commitment to the Science Based Targets initiative (SBTi), which aims for a significant carbon footprint reduction by 2032, and net zero emissions by 2050. "We are honoured to see our efforts in sustainability once again recognized," says Jahangir Doongaji, CEO of the Hilti Group. "We will continue to diligently work on our initiatives to be our customers' best partner for sustainability." EcoVadis evaluates companies against a total of 21 criteria in four primary categories: environment, labor and human rights, business ethics, and sustainable procurement. The evaluation criteria are based on international sustainability standards such as the principles of the UN Global Compact, the conventions of the International Labor Organization, the Global Reporting Initiative standard, ISO 26000, and the principles of the Certification of Environmental Standards.

www.hilti.com



New Appointments at Remu USA Underscore US Growth Plans

Owen McGinty was appointed vice president and lead for Remu USA early this fall. McGinty has been working for Remu since 2019 and this comes as a great opportunity and natural next step on his career path at the company.

"We are happy to see Owen holding the steering wheel of our US operations, leading the team there and fulfilling our growth plans," says states Remu CEO, Juha Salmi.

McGinty has more than 20 years of experience in the crushing and screening, recycling and bulk materials handling industries. He says that while Remu USA has been doing



business since 2007, there is still tremendous potential for growth. "We aim to establish strategic, long-term, mutually beneficial alliances, as well as hiring more people to further grow our team," McGinty says. He cites the recent additions of new sales managers Joel Smith and Stu Kipnis. "We are growing the team with a deliberate focus on specific qualities and values including empathy, a passion for learning, being a team player and having a genuine desire to help clients and dealers find the best solution," McGinty says. "Stu and Joel, the new members of our team are very different characters but share these core values. Our mission is to become the first choice, valued partner for customers and dealers alike."

www.remu.fi

David Dalley New Director of Sales for Canada

David Dalley is the newest addition to Proceq's sales team, joining as the Director of Sales for Canada. Dalley brings a wealth of experience and technical acumen to further enhance Proceq's leading portfolio of ground penetrating radar and non-destructive testing instruments and software products for advanced concrete inspection, subsurface utility investigation, and more. A graduate of Dalhousie University with a Bachelor of Commerce, he spent 15 years with Hoskin Scientific as a senior account manager focused on instrumentation solutions for concrete, asphalt, and geotechnical testing applications. Dalley brings professional experience in construction materials and concrete laboratory testing.

"The innovations Proceq has made are cutting-edge, forward-thinking and offer the most comprehensive solution to infrastructure inspection and monitoring available in the market," Dalley says. "I look forward to increasing awareness of the solutions we offer."

www.screamingeagle.com



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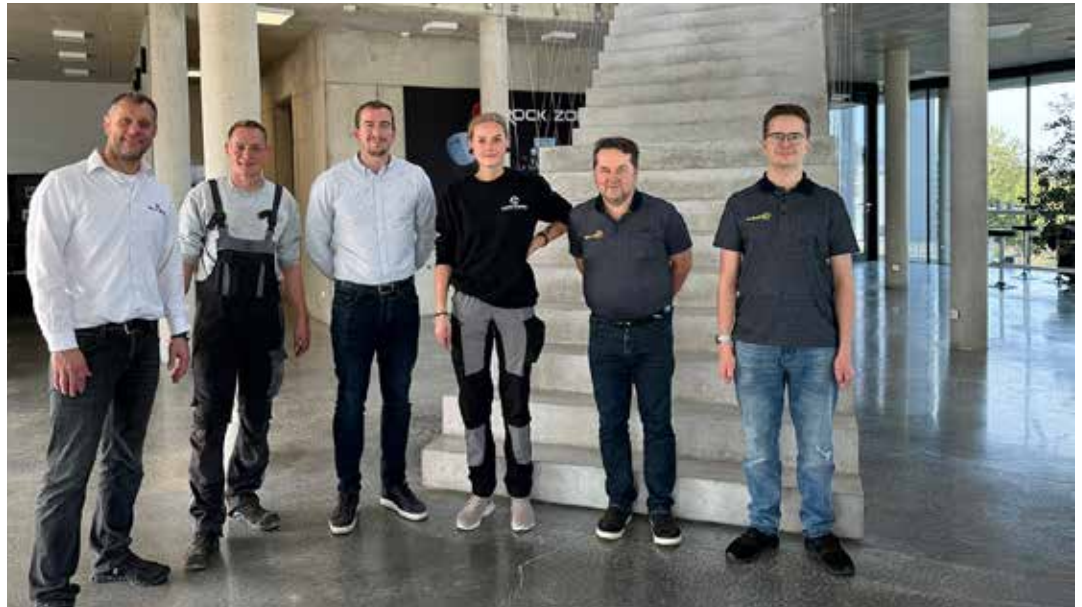
www.aquajet.se

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ROCK.ZONE Expands Portfolio With MultaVex Acquisition

ROCK.ZONE has taken a major step forward by acquiring MultaVex Oy's patented VIBRA-screening bucket technology. This acquisition allows ROCK.ZONE to enhance its product offerings, further solidifying its commitment to delivering industry-leading solutions for the construction sector and meet growing global demand, especially in material screening and recycling. To be marketed as the Rocksorter Vibra screening bucket, the attachment is a unique solution designed for superior material separation, thanks to its wave-like vibratory motion that allows for the efficient separation of various materials, from soil to large tree stumps, boosting productivity on-site. The bucket operates without rotating parts, ensuring minimal maintenance and consistently low operating costs. Its sieve can be quickly adjusted from 1 in (25mm) to larger sizes, and with optional accessories, it can be reduced for more delicate applications.

The Rockstorter Vibra bucket also consumes less energy and has lower wear-and-tear compared to other screening buckets, making it a cost-effective choice. Every model bucket is available in a reinforced



“heavy-duty” version with additional teeth and durability enhancements for the most demanding environments. With the acquisition of the Vibra bucket, ROCK.ZONE not

only adds another high-performance tool to its lineup but also reinforces its commitment to excellence in screening and recycling technologies. The screening bucket will

now be available globally through ROCK.ZONE's extensive distribution network, which spans more than 80 countries.

www.rock.zone

Event Calendar

World of Concrete 2025

January 21-23, 2025
Las Vegas Convention Center,
Las Vegas, Nevada
www.worldofconcrete.com

ARA RENTAL SHOW 2025

January 29 - Feb 1, 2025
Las Vegas Convention Center,
Las Vegas, Nevada
www.arashow.org

DEMOLITION SAN ANTONIO 2024 NATIONAL DEMOLITION ASSOCIATION CONVENTION 2024

March 5 - 8, 2025
Ernest N. Morial
Convention Center,
San Antonio, Texas
www.demolitionassociation.com

BAUMA 2025

April 7 -13, 2025
Munich Exhibition Center,
Munich, Germany
www.bauma.de

ISRI 2025/ReMa 2025

May 12-15, 2025
San Diego Convention Center,
San Diego, USA
www.rema2025.com

CANADIAN CONCRETE EXPO 2025

Feb 12-13, 2025
International Center Toronto,
Canada
www.canadianconcreteexpo.com

CONEXPO - CON/AGG

March 3-7, 2026
Las Vegas Convention Center,
Las Vegas, Nevada
www.conexpoconagg.com

Exodus Global Continues Growth Strategy

Exodus Global has completed a significant expansion to its headquarters in Superior, Wis., adding 27,000 ft² (2,500 m²) to the manufacturing facility. The expanded space will support enhanced production capabilities, new technology investments, and streamlined operations as the company meets rising demand across its product lines. CEO Kevin Boreen says the decision to expand comes as a direct response to Exodus Global's rapid growth over the past several years.

"Over the last three to four years, we've been on a blistering growth pace and this expansion was necessary to continue that growth," Boreen explains. "While we have invested millions in machine tools and robotics, it really is our people that make the difference. We would not be where we are without our team."

A key component of the expansion is the addition of a 20,000-ft² (1,858 m²) warehouse, addressing a critical need for dedicated space for tools and parts. Curt Klever, Quality Assurance Manager, says where once operators dealt with excessive material handling due to the tight quarters, "the new warehouse allows us to reclaim valuable floor space for manufacturing and helps separate warehouse and manufacturing workflows."

With additional facilities in Cleburne, Texas, and Bellefonte, Pa., Exodus Global has strategically expanded its footprint across the U.S. The Connect Work Tools location in Texas includes a full rebuild center, parts, service, and sales, with a large stock of hydraulic breakers, compactors, grapples, and pulverizers.

Investment in Robotics and Equipment
A critical aspect of the expansion is Exodus Global's significant investment in robotics and automation. "We felt like we really needed to get ahead of the curve, and we had to automate," says Jim Campbell, Sr. Vice President of Operations. "We invested heavily into nine welding robots, a large horizontal boring mill, and a second CNC burn table. We're reducing costs, reducing run time, and providing our employees with advanced training, elevating their skill sets and preparing the company for future growth."

The recent acquisition of Rockwheel Americas in 2023 led to the formation of Rockzone Americas, which serves as the North American distributor for RockWheel, RockCrusher, and RockScreener hydraulic attachments. These products complement Exodus Global's existing ShearCore and BladeCore brands, further solidifying the company's leadership in providing solutions to the demolition, excavation, and scrap recycling industries.

Despite the company's rapid growth and expansion, Exodus Global remains



committed to building strong relationships with its customers.

"We are definitely gaining market share, and a lot of that is coming from how we take care of the customer," says Campbell. "The customer is family, and that's what sets us apart."

www.exodusglobal.com

Powerscreen Crushing & Screening Expands to Michigan

Mobile crushing, screening, and conveying equipment provider Powerscreen,® has added Michigan to its U.S. sales and service network. The Louisville, Ky.-based Powerscreen Crushing & Screening company already serves customers in Indiana, Kentucky, Tennessee, Alabama, Mississippi, Kansas, and Missouri. Powerscreen Crushing & Screening is an established heavy equipment distributor with extensive experience in the crushing and screening industry. Along with providing the full range of Powerscreen equipment and genuine spare parts, their team of highly experienced service engineers provide machine commissioning, maintenance, and spare parts support to customers.

"This year we are celebrating 40 years in business, and we are continuously looking for new ways to grow and evolve," says



Powerscreen Crushing & Screening owner Alan Coalter. "To that end, we look forward to representing the Powerscreen brand in Michigan, and believe our existing experience and infrastructure in neighboring states will allow us to hit the ground the running."

www.powerscreen.com

Genesis Regional Sales Managers Keremes and Myslicki Add Canada to Their Territories

Genesis Attachments announces Mike Keremes's and Mike Myslicki's regional sales territories have been expanded to include Eastern Canada and Western Canada, respectively. Keremes is currently Genesis Northeast regional sales manager, covering



Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York City, Eastern Pennsylvania, Rhode Island, and Vermont. He now also provides dealer and customer support to Ontario, Quebec, and the Atlantic provinces. Keremes has an extensive background in heavy equipment sales and has increased sales in the Northeast since joining Genesis in 2018.

Myslicki became Genesis' Upper Midwest regional manager in January 2024 and has been successfully managing sales in Alaska, Idaho, Iowa, the Michigan upper peninsula, Minnesota, Montana, North and South Dakota, and Wyoming. He now adds British Columbia, Alberta, Saskatchewan, and Manitoba to his territory. Myslicki has spent more than 20 years building relationships with customers in the scrap and demolition industries, providing them with strategic business solutions.

genesisattachments.com

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Fuchs Expands Focus in North America

Fuchs, German manufacturer of specialist material handling equipment, is deepening its commitment to North America with the addition of three new sales professionals to its team. This move is part of Fuchs' broader effort to enhance customer engagement and support throughout the region, drawing on the extensive knowledge, expertise, and engineering expertise from its manufacturing center of excellence in Germany.

"North America remains a vital market for Fuchs, driven by increased demand in key sectors such as ports, logging and scrap recycling, where we have focused our product development efforts in recent years," says Andreas Ernst, Terex Fuchs general manager for material handling and lifting in the Americas. "By strengthening our sales team in North America, we are dedicated to providing the best support to our distributors, who in turn can provide the best customer experience in the field."

Leading the Fuchs North American team is newly appointed sales director Gregory Wiese, who brings a wealth of experience from his previous roles at Pacific Floorcare and Nifisk, Inc. Wiese will oversee sales and business development for Fuchs across the United States and Canada, ensuring that strategic objectives are met.

Joining Gregory are Caleb Lynch and Larry Lehmann, appointed as Southeast and Northeast regional sales managers, respectively. Lynch, with his extensive background in the construction equipment and attachment sector will play a key role in enhancing customer support and facilitating communication between Fuchs, its distributors, and customers in his region. Lehmann brings more 10 years of industry experience, including his recent role at a scrap metal recycling company, where he managed demolition contracts and site operations.

These new appointments join the ex-



isting Fuchs North American sales team, which includes regional sales managers John VanRuitenbeek (West Coast US and Western Canada), and Joel Hardy (North Central US and Eastern Canada).

www.terex-fuchs.com

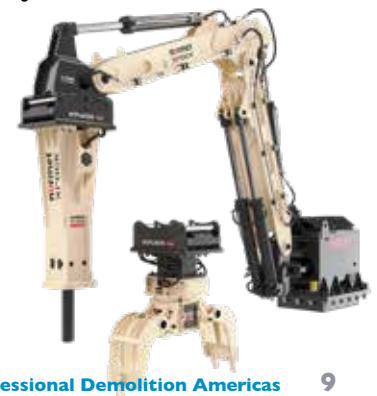
OilQuick and Normet Launch New Xquick

OilQuick and Finnish underground mining and tunneling technology specialist Normet have teamed up to develop the new Xquick coupler system, designed to revolutionize mining efficiency, safety, and sustainability. The new Normet Xquick coupler, based on OilQuick's quick coupler technology, allows operators to change tools and attachments in a matter of seconds without any workers around the machine. It completely eliminates the need for manual tool changes, reducing risk and enhancing productivity in underground operations.

The addition of Xquick to Normet's Xrock suite represents a breakthrough for mining and construction companies seeking to enhance both productivity and safety. The Xquick coupler offers seamless and rapid switching between a variety of tools, enabling operators to handle multiple tasks using a single machine. This flexibility optimizes fleet management, reduces equipment costs, and maximizes uptime on job sites.

"We are thrilled to bring Xquick couplers to the mining market in partnership with OilQuick," says Jyrki Hyyrönmäki, global sales director of Normet's Xrock Breaker Product Line. "This collaboration allows us to create new business opportunities for our customers, further strengthening the comprehensive solutions we offer."

Johan Lindqvist, Sales Director at OilQuick, adds that the partnership is a great opportunity to bring the company's attachment coupling technology to the mining segment.



Husqvarna's Technical Helmet Honored with Red Dot Award

Husqvarna's technical helmet received the prestigious Red Dot Design Award in the category "Best of the Best." The lightweight protective helmet with ear protection has been designed around the user for superior performance. It provides several customizable adjustments, an innovative ventilation system, and a redesigned visor.

"We are very proud to win yet another Red Dot Design Award this year," says Rajinder Mehra, Husqvarna's brand design manager. "Everyone in the design, engineering and manufacturing departments has worked really hard, and I think this win belongs to all of us."

Founded in 1955 by Design Zentrum Nordrhein-Westfalen in Germany, the globally acclaimed Red Dot Award is selected by an international jury of renowned design experts. Each product is rated on criteria such as innovation, functionality, self-explanatory, quality and environmental compatibility. Since 2012, Husqvarna Group has received a total of 16 awards, five of which were in the "Best of the Best" category.

www.husqvarna.com



McCoy Joines Brandt Material Handler Dealer Network

The U.S. metal recycling industry now has greater access to the new, purpose-built Brandt Material Handler, thanks to a partnership between Brandt Industries and McCoy Construction & Forestry.

"We are excited to serve the metal recycling industry by partnering with a company that shares our belief in putting customers and their needs first," says Jason Klassen, Brandt's senior vice president for sales of manufactured products. "Teaming up with McCoy will help us expand our reach to deliver superior material handling equipment to customers in the Midwest."

The Brandt Material Handler is the only material handler designed, manufactured, and supported in North America. Built on the John Deere platform, it delivers unmatched productivity and uptime, with easy-to-find components and support through local



dealerships. McCoy Construction & Forestry has 25 locations throughout the Midwest in Michigan, Minnesota, Wisconsin, Illinois, Indiana, Kentucky, Missouri, and Tennessee.

"We've compared the Brandt Material Handler to their competitors, and our take-away is that Brandt has a better product, as well as the exceptional product knowledge and support needed for us to be responsive to our customers," says Jeff Herkert, president of McCoy Construction & Forestry. "The engineering and construction of Brandt products and their focus on reliability, dependability, and durability will make a big impact on the market with this new Material Handler."

www.brandt.co

King Joins OTR as VP of Aftermarket Sales

OTR Engineered Solutions has hired John King as its new vice president of Aftermarket Sales. In this role he will help lead sales efforts for OTR's line of tires, wheels, assemblies, and tracks to aftermarket customers within multiple industries, such as agriculture, construction, golf, lawn and garden, material handling, powersports, and specialty vehicles.

King offers nearly 30 years of sales and operations management experience. This includes more than ten years of experience in the tire industry, where he consistently increased sales growth for a major manufacturer. He is also responsible for improving customer experience through the development of sales tools, CRM system management, and more.

"OTR has been focused on making customers' lives easier," says Tom Rizzi, President and CEO. "John's background will further help us accomplish this mission, ensuring people can easily find and purchase the right solutions to meet their needs."

www.otrwheel.com



More 100 participants and staff from the US, Canada, and Europe gathered in Virginia for the 2024 North American Sales and Seminar Training.

Liebherr USA Holds 2024 North America Sales, Training Seminar

Liebherr USA, Co. earthmoving and material handling technology team held the 2024 North American Sales and Training Seminar for both internal and external distribution network participants. Liebherr employees from the US, Canada, and Europe participated and supported the event. The two-day event allowed more than 100 participants to receive extensive hands-on training of multiple products across a variety of stations including crawler excavators, wheel loaders, dozers, material handlers, and the TA 230 articulated dump truck. Each station was equipped with multiple machines, a digital display set up, and tents for onlookers. Additionally, each product manager gave multiple walk-around presentations during the event highlighting each machine's latest features and innovative technologies. Nick Rogers, Liebherr USA's general manager of product Management, says the seminar is crucial in equipping the company's extensive distribution network with the necessary tools to be successful.

"The training acts as driving force for our internal teams to provide informative resources and comprehensive support to our dealer sales channels," he says. "By fostering a deeper understanding of our product lines and technologies, sales representatives will be better prepared to engage customers confidently, offering solutions that deliver results." This event enabled attendees to apply their product knowledge to real-world application scenarios, with the assistance of Liebherr's certified product managers on-site. This training also provided an excellent chance for Liebherr's distribution partners to participate in industry networking.

"This is a great opportunity to showcase Liebherr's product quality, innovation, and support services across our local US distribution network," says Kai Friedrich, managing director of Liebherr USA, Co. "Together, we can show that Liebherr is a major player in the North American market, and we will continue to expand our presence."

www.liebherr.com

Erkat Celebrates 25 Years of Innovation

With 25 years of experience in the development, manufacturing, and application of rock cutting excavator attachments, Erkat has established itself as a pioneer in the industry. All main components are manufactured in Germany, ensuring that the company's products are robust, reliable, and meet the highest quality standards. Erkat's product ranges—including the patent pending V-range, ER and ERC transverse drum cutters, ERL axial drum cutter, and ADU auger drills—offer smart solutions for applications such as tunneling, quarrying, demolition, trenching, and many others.

Erkat drum cutters use a low-energy method of impact, resulting in low noise and vibration. Their high production rates are perfect for soft rock excavation and demolition, outperforming other attachment tools and creating cut material with a grain size small enough to be used for backfilling. Best of all, Erkat drum cutters provide a high return on investment with accurate removal of material, no transportation, and secondary crushing of broken material.

Erkat's drum cutters have proven their versatility and reliability in a variety of challenging environments, from offshore applications reaching nearly 500 ft (152m) deep off Newfoundland, Canada, to operating at jobsites at an altitude of more than 9,800 ft (3,000m) in Tibet.

www.epiroc.com





Liebherr USA Opens Kansas City Spare Parts Warehouse

Liebherr USA, Co. has established a new warehouse in Kansas City, Mo., to more efficiently supply mobile and crawler crane spare parts warehouse to customers throughout the region. The 12,000 ft² (1,115 m²) warehouse holds approximately 2,300 stocked spare part line items, with more 5,000 line items expected to be stocked once the facility is fully converted. Kansas City will serve as one of four distribution points for Liebherr parts after as they arrive at the company's main warehouse in Newport News, Va.

Liebherr identified the great benefit of having a warehouse closer to the Midwest. With many Liebherr machines being used to construct wind turbines for the prevalent wind industry in the area, having parts more readily available will help reduce downtime and better service machines and customers in the area.

This investment has been immediately



felt by customers, who can actively see the price and availability of parts in their area through their MyLiebherr portal. This online portal works hand in hand with Liebherr's extensive service network to improve and streamline customers' experience, allowing them to access everything they need for their machine such as their local service contact and machine manuals in addition to ordering and checking the status of spare parts.

www.liebherr.com

Palfinger North America Announces Promotions

Crane and lifting solutions provider PALFINGER has announced recent promotions of three key leaders of its Schaumburg, Ill.-based North American business. Rob Engdahl has been appointed Head of Engineering, Global Stiff Boom Cranes. Engdahl, who will continue as Sr. Director of Engineering for North America, has held various product design and engineering leadership positions in during his ten years with the company. Jason Holt, the new Vice President of Operations, will be a member of the company's Global Operations Team. Holt first joined PALFINGER in 2013, holding several executive leadership roles in plant management and operations over the past 11 years. Gustavo Rigon has been named Vice President of Regional Procurement. Since beginning his career with PALFINGER in 2005 in Brazil, Rigon has held a number of managerial and leadership positions, most recently serving as Director of Procurement for North America.

Ismael Daneluz, PALFINGER's Vice President of Sales and Service for North and Latin America, says all three provide leadership and expertise that "are crucial to our ongoing efforts to strengthen our presence and capabilities in North America.

www.palfinger.com



Rob Engdahl



Jason Holt



Gustavo Rigon

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OTR Names Dembe VP of Construction OEM Sales

Michael Dembe has joined OTR Engineered Solutions as vice president of OEM Sales for the company's construction segment. Dembe will grow OTR's valued OEM customer base through industry-leading tire and track solutions with value-added services. Dembe has worked in the off-road tire and track industry since 1995. During this time, he gained experience in various management and director roles for large companies, primarily within their off-road divisions. He has worked with OEM customers, as well as fleets and dealers, with proven success in sales, management, and strategic roles.

"The addition of Michael to our sales team supports our strategic plan as we bring custom products and unique engineered solutions to customers in the construction segment," says Tom Rizzi, President and CEO of OTR. "We are committed to our purpose of making our customers' lives easier, and investment in experienced people will accelerate our ability to do so."

www.otrwheel.com



Von Arx strengthens its position in the Middle East

A specialist in concrete and steel surface treatment equipment, Von Arx has experienced rapid growth over the past five years and is now represented in over 50 countries worldwide. To further strengthen the company's position in the Middle East market, Von Arx has established a Dubai-based distribution company, Von Arx International Trading LLC. From Dubai, Von Arx and IMPACT's equipment will be distributed to



markets in Africa, the Middle East and Asia.

"We want to be able to serve our customers better in these markets and we see great potential for our products here," says Fredrik Åkermark, CEO and owner of Von Arx.



Over the past five years, Von Arx has developed several new products and at the beginning of 2024, the company acquired the German IMPACTS. Today, the company's product range spans concrete drills, shavers, vacuum cleaners, floor scrapers, pneumatic needle scrapers, scabblers, ball blowers, dust collectors and floor sanders.

"By establishing distribution and service closer to our customers, we can become a better partner for companies in construction, oil and gas and maritime industries," adds Åkermark.

www.vonarx.com

Rotar International Appoints Erath as Managing Partner

Rotar International B.V. is pleased to announce the appointment of Dominik Erath as managing partner. In his new role, Erath will



focus on further developing and expanding Rotar's global network, with a specific emphasis on the scrap industry. His extensive experience and strategic vision will play a key role in the company's continued growth and success.

Erath brings a wealth of expertise to Rotar International, having worked in various leadership positions within the industry. His deep understanding of international markets and proven ability to build strong relationships at all levels, from end customers to dealers, and up to OEMs, make him the ideal candidate to drive the company's global ambitions.

In addition to his primary focus on the scrap sector, Erath will also be involved at the management level, contributing strategically to the overall direction of the company. His leadership will be instrumental in shaping the future of Rotar International as it continues to strengthen its position in the market.

"We are thrilled to welcome Dominik to the Rotar team," says Louis Broekhuizen, managing partner of Rotar International B.V. "His experience and vision align perfectly with our goals, and we are confident that his contributions will propel our company to new heights."

www.rotar.com

Thank You, Alberto Mantovani

It is with great sadness that PDA Magazine announces the passing of Mantovanibenne Srl founder and CEO Alberto Mantovani on October, 28 2024. A loss for his family and company, Mantovani was one of the great pioneers in the development and manufacture of hydraulic tools for demolition and recycling. He also was a great visionary and a key figure in the industry, marking the company's history with unparalleled dedication and an extraordinary capacity for innovation.

Mantovani founded Mantovanibenne in 1963, taking it from a small family business to one of the leading international players in the hydraulic and recycling equipment sector. Thanks to his entrepreneurial spirit, the company has been able to stand out in the global market, offering cutting edge solutions that have helped define the quality standards of the entire industry.

Throughout his career, Mantovani



demonstrated a tireless commitment to quality and innovation, values that have guided every step of the company's growth. His vision has allowed Mantovanibenne to successfully face the challenges of an ever-changing market, promoting solutions that meet the needs of the sector.

Mantovani's legacy goes beyond business success as he passed on to his children and grandchildren the fundamental values that have guided his life and work – vision, innovation, and a deep sense of responsibility towards the future of the sector. His ability to imagine the future has left an indelible mark that will continue to inspire the family and all those who are part of the company, accompanying them in the continuation of a path founded on excellence and the continuous search for new solutions.

Mantovanibenne states that the company will continue its journey in the name of Alberto Mantovani's vision and values, with the aim of honoring his memory through commitment and dedication to excellence. His leadership will continue to inspire everyone who is part of the company.

At this sad time, the family and all those who work at Mantovanibenne, would like to thank those who will join them in remembering Alberto Mantovani, an entrepreneur and an extraordinary man. PDA Magazine shares their grief, and expresses its gratitude for being allowed to get to know him as a professional and a person.

"I have had the privilege of meeting Alberto Mantovani on several occasions," says PDA editor-in-chief Jan Hermansson. "I particularly recall visiting the factory in Mirandola at the beginning of 2000 when we had just started our magazines. A very nice memory and a valuable meeting with a valuable, warm, and gentle person in our industry. Rest in peace Alberto Mantovani."



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ÅKERSTRÖMS



GORICK CONSTRUCTION

Binghamton, N.Y.-based contractor Gorick Construction Co., Inc., specializes in demolition, recycling, excavation, and heavy highway building. Recently, the company entered into partnership with DRKhorse – an up-and-coming supplier of demolition and recycling attachments.

Andrei Bushmarin reports.

Gorick Construction's history dates back to 1945 when Alfred Gorick and his wife Stephanie bought their very first dump truck while still on their honeymoon. Out of that truck the company has grown into a full-service heavy highway and demolition contractor with a large fleet of specia-



lized equipment. In 1986, the couple's son, Alfred Jr., graduated from Clarkson University with a civil engineering degree and replaced his father at the company's helm. He's now supported by a leadership team that includes operations vice president Trevor Moyer, sr. project manager Matt Williams, demolition project manager Scott Allegrino, assistant project manager Kendyl Gorick (the third generation of the Gorick family), and equipment manager Jerre Kemak.

Like other performance-conscious contractors, Gorick Construction maintains and regularly updates an extensive arsenal of demolition tools. For two major projects, Kemak advised adding a dedicated concrete cracker to the current line-up. A potential source for this critical tool was DRKhorse, a new player in the

N BETS ON DRKHORSE



demolition field within the Luxembourg-based SAS Group led by industry veteran Bruce Bacon. Bacon recommended Gorick consider a mighty RCC45 model designed by Netherlands-based Rotar, featuring its patented "Ramplifier" system that instantly increases pressure to the jaws from 5,000 to 10,000psi when biting the hard concrete.

Let's get to work!

The RCC45 has passed its trial run with flying colors, demolishing a few 42-in (1,067mm) concrete columns in no time. Gorick Construction's first large-scale use of the RCC45 was the demolition of the former Perry Homes in nearby Buffalo to make way for a new housing complex. The job called for taking down nearly

30 multi-story apartment buildings and foundations, subsequent recycling of concrete debris. A total of 400,000 ft² (37,160m²) of buildings was demolished. The RCC45's superb performance to pre-process the concrete for crushing significantly increased the efficiency of the entire recycling operation.

Impressed by the RCC45's capabilities, Gorick Construction has since acquired a RCC30 attachment for another big assignment--demolition of more than 600,000 ft² (55,742 m²) of IBM's original buildings at its Endicott, N.Y., campus. According to Alfred Gorick Jr., Bacon and his team have proven to be incredible partners, whose support has been impeccable.

www.gorickconstruction.com
www.drkhorsetools.com



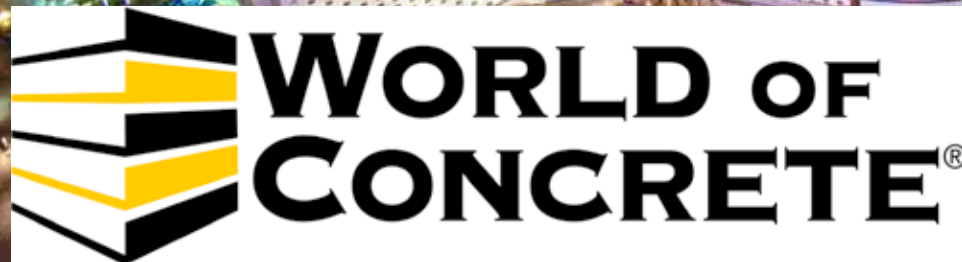
shows

Get Ready for World

It's time again for the **World of Concrete**, which will be held **January 21-23 2025**, in **Las Vegas**. Once again, visitors will make the journey from far and wide to learn about new products on the market.

For the 51st time, the world's largest concrete fair opens its doors, this time to a North American economy that has been struggling with the effects of costly wars around the world, a recession in parts of Europe, and inflation that is just beginning to be overcome. There are also the uncertainties of a new administration in Washington that could play out any number of ways.

Still, compared with other parts of the world, the region's construction sector is doing quite well, and organizers hope the momentum and enthusiasm of 2024's edition will carry over into this year. That event was attended by nearly 60,000 people, an increase of 23% compared to 2023, with more



than 1,400 exhibitors were on hand. Organizers have not announced preliminary figures, but it's likely this will be the biggest show for awhile, as the 2026 return of the giant Conexpo event typically saps both attendees and exhibitors from World of Concrete.



shows

World of Concrete 2025!



Everything in concrete

World of Concrete spans everything connected to concrete. For PDA's readers, it is mainly the processing of concrete in various ways such as drilling, demolishing, grinding and polishing, as well as the renovation of damaged concrete that

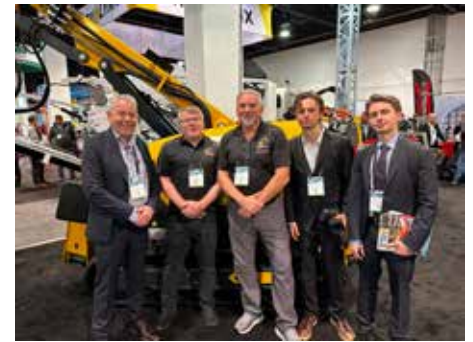
is of interest. But attendees will find everything else needed to work with concrete. As usual, PDA magazine will be on hand, exhibiting in the Central Hall, stand C4240. If you are going to the fair, please drop by.

www.worldofconcrete.com



Selected list of exhibitors at World of Concrete 2025

Allen Engineering	C4331	Husqvarna Construction	O31241
Antraquip	C7533	Hyundai Everdigm	C6450
Aquajet Systems	C4529	ICS	O31764
AramSCO	S11426	ICRI	S10817
Ashine	S13146	IGGA	C4332
Astec	N937	Jetstream	C3139
Ausa	C6277	Kanga	C3455
Autec	C7575	KOR-IT	O32305
BlastPro	S12114	Lissmac	C4840
Bobcat	C5748	Makinex	S12713
Brokk	C4519	Makita	O30327
Canycom	C6877	Mapei	S11027
CAT Diamond Tools	O31949	MB Crusher	O30061
Caterpillar	C6061	Milwaukee	C30549
Celta Tools	N2155	Multiquip	C4804
CSDA	C4211	National Flooring Equipment	S11627
Conjet	N2023	Norton Clipper	C3421
Cratos Equipment	C3327	Nox-Crete	C4031
CS Unitec	O30729	PDi & PDa Magazines	C4240
Darda	C7658	Proceq - Screening Eagle	N1545
Develon	C5684	Professional Diamond Tools	C4537
Dewalt	O31157	Protech Diamond Tools	O32017
Diablo Tools	O30863	Pulse-Bac Vacuum Systems	S13054
Diamabrush	O31959	Rockster	C6070
Diamond Blade Warehouse	S11413	RubbleCrusher	C5487
Diamond Products	C4305	Runyon	O30629, S12343
Diamond Speed Products	S13417	Sanwa Diamond Tools	S13208
Diamond Vantage	C3641	SASE	O31823
Diateq	C4327, O31963	Scanreco	C6003
Dustcontrol	S13607	Sunstrom Safety	C7432
Dustless Technologies	C7006	Syntec Diamond Tools	S11606
Dymatec	O31857	Superabrasive	O30928, S10605
Everything Surface Prep	S13731	Terra Diamond	C4873
Fuzhou Bontai Diamond	S12726	Titan Diamond Tools	S13406
GSSI	N1751	USSAWS	S11805
Hilti	O31120	Wacker Neuson	C4655
		World Diamond Source Inc	S10514
		WORX+	O31213
		Xingyi	O32127





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Åkerströms Wants to Safety in



Company CEO Hans Åkerblom
and Marketing Manager Erika Ryttare.

Åkerströms, a Swedish manufacturer of radio control solutions, has roots dating back to 1918. The company sees interesting opportunities in the demolition industry and aims to show how its radio controls can contribute to improving both the safety of operators and the efficiency of the use of demolition robots, wall saws, floor sanders, and similar equipment.

Sweden has long been at the forefront of construction and demolition technology, from concrete cutting and hydrodemolition to floor grinding and polishing. So it's hardly surprising that the country also leads the way in making that work safer at

jobsites around the world, using advanced radio control technology. However, there is a product sector that we have not covered in-depth which today forms an important part of different products used in demolition, concrete cutting, hydrodemolition, floor prep, grinding and polishing of concrete floors. Since the beginning, a clear aspiration and orientation within all these business sectors has been to strive for increased safety, less manual work, increased efficiency and accuracy and improved quality of work. These goals can be achieved in many different ways, with one way being to use radio control machinery and tools. As a manufacturer of, for example, floor grinders, demolition robots, hydrodemolition robots or wall and wire saws, it is difficult to have internal competence to also develop radio control systems. Due to the difficulties, it is far better to buy this service and products from those who know how to develop them.

One such company is Åkerströms, based far from the hubbub of Stockholm in the small city of Björbo. Åkerströms' radio control system is used today in a variety of industries and businesses. For several decades, Åkerströms has launched a series of groundbreaking products for radio control, which have solved many problems for customers and opened up new opportunities.

"Radio control has many advantages, not least in the demolition sector where the user is exposed



The Åkerström premises in the village of Björbo, Sweden.

to great risks," explains Erika Ryttare, Åkerströms marketing manager. "With wireless controls, the operator gets away from the risk area and gets a greater overview of the work. We see great opportunities to be able to contribute to increased safety for both man and machine within the sectors."

For Åkerströms, it is important to work closely with its customers, listen to their needs, and based on that develop smart solutions that save resources, increase efficiency and safety for the customer and, not least, offer a sustainable solution. For example, the company developed a customized radio control for Husqvarna Construction's articulated Trench Compactor LP 9505.

Other machines that are controlled with radio control today are electric and hydraulic wall saws; wire saws; larger machines for treating concrete



o Contribute to Increased n the Demolition Industry



In the assembly department, where all customized systems are built, there is no room for mistakes. The fitters put together the complex control systems with great accuracy, which then reach users in a multitude of applications.

floors such as milling, shot blasting, grinding and polishing; larger core drilling systems; and operation of demolition and hydrodemolition robots. Radio control systems are also found in large and heavy high rise demolition machines with advanced demolition tools that work in sensitive areas. Even mobile recycling crushers and screens often require radio control at the jobsite.

"As we see it, only the imagination sets the limits," says CEO Hans Åkerblom. "Any new idea can help improve the everyday work of users. As developers and manufacturers of the systems, we can contribute a lot here."

A storied century

Åkerströms' customers are found in many business sectors, including the transport industry, all types of process, mining, manufacturing, construction and heavy machinery, vehicle, maintenance, and of course, quality and safety operations. Founder Anders Åkerström was only 21 years old when he launched the company as what would today be called a "side gig" to his day job as a power station manager at a mill. Beginning with electric tile stove inserts, Åkerströms began developing products



such as electric control systems for winches and forestry applications, and later added radio control features. That led to systems for railcars, boats, and locomotives. Åkerströms is also a leading player in the industrial door industry and has since the early 1960s been a major supplier of radio controls to large industries in the Nordic countries. In the early 2020s, the pioneering digital service Access_Ctrl was launched as a complement to Åkerströms's radio controls to further increase personnel and operational safety in the industry. This year, Åkerströms has launched inhouse developed VR simulators for training crane operators.

Family-owned for much of its history, Åkerströms was sold in 2001 to the venture capital com-



Åkerströms also has its own service department that renovates and repairs customers' radio systems. Service technicians such as Johan Enmalm work quickly so that the customer gets the products back in use in a few days.

pany BrainHeart Capital, and was later taken over by Allgon AB. The company exports to around 60 countries with exports constantly increasing. The development work takes place in Sweden, while all preparation and assembly of customized systems being carried out at the production unit in Björbo.

"Today, over 100 years after the company's humble origins, we are one of the world's most qualified developers and manufacturers of radio control solutions with more than 70 employees at our facility in Björbo," says Åkerblom.

Yet while Åkerströms products has a worldwide reach, the company has stayed close to its rural Swedish roots. Indeed, the company's production complex is located alongside the rapids of the Västerdal River—the same waterway that generated power for the mill where Anders Åkerström worked when he started his namesake company more than a century ago.

"Right now, a new and even more efficient hydroelectric plant is being built on the same site," says Ryttere. "In the future, the plant will supply our entire facility and more with green electricity."

www.akerstroms.com



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RUBBLE MASTER Introduces Cutting-Edge Mobile Jaw Crusher, New Texas Office



In response to market demand, Rubble Master has introduced its first mobile jaw crusher, the RM J110X. This robust primary crusher is ideal for processing hard natural rock in mines, quarries and heavy-duty recycling applications. With the introduction of the RM J110X, Rubble Master extends its product range to now offer full crusher and screen train solutions that meet the industry's evolving material processing requirements.

"With the jaw crusher, we are venturing into completely new territory, but we are convinced this is the right step to take," says Rubble Master founder and owner Gerald Hanisch. "That's because we have the support of long-standing customers, whose high demand prompted the development of this machine. With the RM J110X, we are not only entering a new

business field but also demonstrating once again our ability to drive innovation."

The October launch event for the RM J110X coincided with the opening of Rubble Master's new regional hub in Alma, Texas. The location has been strategically chosen to strengthen the company's presence in the southern U.S., ensuring faster response times, reduced equipment downtime, and enhanced customer service for its valued partners and customers. The Alma location is fully equipped with state-of-the-art service bays, a large parts inventory, and a dedicated team. It also will serve as a training center for Rubble Master's North American dealers and customers, offering hands-on demonstrations, operator training, and maintenance seminars.

www.rubblemaster.com

Indeco Launches "Auto Dismantler" Configuration for Its IMP 15 Machine

The Indeco multifunction IMP 15 is now even more efficient and versatile thanks to the new Auto Dismantler shear-clamp configuration, designed to perfectly combine the different cutting actions, separation and handling of materials in the motor vehicle scrapping business. The jaw design of the new shear-clamp is specifically planned to allow a perfect grip and therefore faster extraction of the different recycling components. Two independent hydraulic cylinders make both jaws mobile, facilitating the grip on the components to be removed—a considerable advantage over conventional pliers, which have a movable and fixed jaw. The robust and fast rotation mechanism, common to all Indeco rotating equipment, is fundamental for the correct positioning of the tool, resulting in faster and more effective action. The electrical wiring of the extraction and recovery system allows operations to be speeded up without causing damage to high value-added components.



Avant Completes 800 Series With Two New Models

The Avant loader series is now complete with models entering production. The Avant 855i is a single-speed version of the most powerful Avant model, the 860i, while the new Avant 845 is a single-speed version of the Avant 850. Aimed at different markets, the Avant 855i complies with the world's strictest emissions standards (Stage V and Tier 4), whereas the Avant 845 is directed to markets with Stage 3a emission standards.

The new Avant 855i lifts significantly more than the next largest single speed model, Avant 755. The Avant 855i has the same Kohler KDI engine, pump package, and electrical and mechanical components as the Avant 860i, with new 625cc Poclair MSE05 single speed drive motors, significantly lowering its price. Designed to be stable and sturdy, the new model also mirrors the 860i's lift capacity, lift height, hydraulics flow the external dimensions of the loader, and the options. A maximum drive speed of 9.3 mph (15kph) makes the 855i ideal for short transitions, especially when moving with heavy loads. The pulling force of the machine on standard tyres is 228 psi (1,570kp).

Like the Avant 850, the new Avant 845 has the same Kubota V2403 engine. With this simple single-speed version and its new 625cc Poclair drive motors, users enjoy the strong pulling force and high lifting capacity of the 800 series at a much lower cost. With a maximum drive speed of 7.5 mph (12kph), the 845 is also suited for construction sites where heavy loads are handled across short distances. The electrical and mechanical components are identical with the Avant 850 model, as well as the dimensions and options.

www.avant.com



Efficient, State-of-the-Art Hydrodemolition Robots Provides a Competitive Edge



Today's hydrodemolition robots are state-of-the-art, meticulously engineered machines with improved components and a variety of accessories. They provide immense improvements to productivity and ease of operation.

Hydrodemolition Technology On the Path to Profitability

By Keith Armishaw, Aquajet business development manager

Technology is constantly changing and at an accelerated pace. It no longer takes centuries or decades for new advancements; sometimes, technology is out of date in mere years or even months. Think of buying a new car, for example. Today's models have a list of new features, such as built-in wireless cellphone networks and automatic lane changing. These features weren't even thought of by the average consumer a few years ago.

The same holds true for hydrodemolition equipment. While older models still run and are faster and more effective than handheld tools, new hydrodemolition technology offers far more functionality. And the benefits are anything but trivial. Recent advancements shave off time and provide better results, which ultimately gives contractors who adopt new technology a strategic opportunity for growth, innovation and improved results.

On the surface, it may not seem like significant changes have been made to new equipment, but what is the cost of not knowing? By embracing the latest hydrodemolition technology, contractors can



Creating the perfect profile for superior bonding strength results in repairs that can last up to three times longer. This will please project engineers and prevent the project from being held up by subpar results.

unlock a new level of productivity, precision and profit.

Ease of Use

Though many contractors worry about making the leap to new technology, user-friendly features and an intuitive design make today's hydrodemolition robots easier than ever to operate. Older machines, which have fewer automated functions, tend to require more operator experience and intuitive understanding to initially get the settings right. Modern machines' settings paired with a supportive manufacturer make it far easier for an operator with basic training to confidently run equipment.

With older systems, some changes required an operator with extensive knowledge and years of experience who knows how to make small, nonspecific adjustments. A state-of-the-art operating system, on the other hand, allows users to set parameters tailored to project specifications, then save those presets for future use. Storing these parameters also provides a good point of reference for reviewing the machine's production after a job and where potential adjustments could be made. Should the parameters require any tweaks, fine-tuning settings may be all that's required.

Some new machines also allow users to say goodbye to manually keeping maintenance logs. Modern machines present clear, easy-to-understand error messages should a problem occur, slashing potential troubleshooting time.

Implementing any change to an equipment fleet will have a learning curve, but modern technology is designed to make the transition as seamless as possible. With user-friendly interfaces, preset parameters, and easily accessible training materials, contractors

and their teams can quickly adapt, turning the challenge into an opportunity for growth and development.

Lance Movement

For most of the hydrodemolition industry's 30-plus years, simply being able to execute the process was enough to qualify as cutting edge. Controlling a water jet through mechanical means was a safer, faster, more sophisticated way to remove concrete compared to a jackhammer or hand lance.

Fairly recently, manufacturers introduced robots with a new lance movement that harness the benefits of both oscillating and rotating movements. The result is a water jet that moves back to front and right to left, creating an "8" or infinity, pattern.

This pattern creates constant oscillation speed



While older models still run and are faster and more effective than handheld tools, new hydrodemolition technology offers far more functionality.



Recent advancements in hydrodemolition machines shave off time and provide better results, ultimately giving an edge to contractors who adopt new technology.

that results in greater production. Furthermore, it creates a rough but even result and virtually eliminates pipe holes, leaving behind the ideal bonding surface. Creating the perfect profile for superior bonding strength results in repairs that can last up to three times longer.

Users can also adjust the machine to fluctuate speeds in different zones of the work area for deeper or more shallow removal where needed. This is another efficiency-enhancing feature, allowing operators to complete the removal in a single pass. For example, if the job requires removal 4 in (101.6mm) deep for the first half of the pass and 2 in (50.8mm) for the other section, the operator can set zones to accomplish this in one go. Operators can also set new machines to cut in a variety of shapes. So, the triangle shape left over from something like a bridge joint no longer needs to be removed manually by jackhammers or hand lances.

When an operation implements a machine that uses the infinity pattern, they're making the most efficient use of all the force at their disposal. Contractors using equipment with an infinity pattern will typically increase efficiency by 15 to 20%, depending on the scope of the work. With the proper settings and depending what settings are changed, that number could increase to 50%, saving significant time and money.

Improved Components

Components in modern hydrodemolition robots have more functionality for improved performance. For example, the hoist system has a sensor to set the hood height, eliminating the need for a manual check. While some may think additional elements increase the likelihood of breakdowns, that isn't the

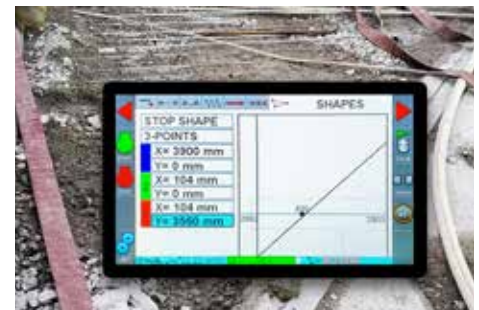


The constant speed and continuous movement of an infinity pattern removes more concrete in a single pass and leaves behind a more consistent result.

case. Components in new machines are designed to last and require less attention. Rollers, for example, had to be tightened daily on old machines. Today's rollers use more components, are preset and much more durable, allowing operators to approach them with a set-it-and-forget-it mentality.

The sensors on new hydrodemolition robots have made great strides in terms of reliability. They're well-sealed mechanisms and handle stress from operation well, meaning far less upkeep. Previously, if a sensor was tied to a cable and the cable needed to be replaced, the sensor did, as well. With optimized sensors, one can simply replace the cable and get back to work. New and improved components in today's equipment give contractors a competitive advantage by helping minimize downtime and keep projects on track.

Speaking of tracks — those can impact a project's quality and efficiency. Take a bridge job, for instance. Sometimes, operators will have to drive the machine up to a couple-hundred feet to the work area. New track systems allow the hydrodemolition robot to travel 164 ft (50m) per minute opposed to 98 ft (30m) with an older machine. The modern track systems also provide a smoother



If the project also presents challenging shapes or angles, such as a bridge with a joint at a 45-degree angle, operators can set new machines to cut in a variety of shapes. So, the triangle shape leftover from a bridge joint no longer needs to be removed manually by jackhammers or hand lances.

ride, reducing wear on the machine and increased stability during operation.

Modern Machines Produce Optimum Results

Investing in new technology can seem unnecessary if you have equipment that still gets the job done. But hydrodemolition contractors are no longer competing with jackhammers and hand lances. They are competing with new hydrodemolition technology that is rapidly building on yesterday's advancements, allowing those who invest to achieve better results faster and easier. Upgrading to today's equipment isn't just about staying with the pack; it's about paving the way and becoming a leader in the field.

www.aquajet.se

About the Author

Keith Armishaw is the business development manager for Aquajet's North American subsidiary. He has more than 25 years of industry and leadership experience.

MDS Launches SCRAPMASTER 400 to Tackle Tough Scrap and Metals

Specialty screening equipment manufacturer MDS® announces the launch of the SCRAPMASTER 400, its newest machine designed specifically to handle tough material in the scrap and metals recycling industry. The SCRAPMASTER 400 builds upon the foundation of the successful M412, a compact, versatile machine for screening lightweight materials to recycling hefty demolition waste. After extensive research and consultation with customers and distributors, MDS has designed and manufactured the machine to be a reliable and efficient solution for scrap and metals recycling applications.

Features of the SCRAPMASTER 400 include a robust, wear-resistant push feeder, capable of withstanding heavy, abrasive materials; a heavy-duty drum frame with a multitude screen options, ranging from 1 to 6 in (25 to 150 mm); and an apron-style conveyor on the oversize material output, providing next level durability in scrap applications. In addition, the machine provides a three-ply, heavy-duty fines belt for maximum durability, and auto-reverse functionality on the drum and variable rotation speeds.

www.terex.com/mds



General Equipment Company's M-Series Surface Grinder Line Designed for Magnetach Tooling System

General Equipment Company's M-Series surface grinders, which feature a convenient, versatile magnetic tooling system, are compatible with a wide range of industry-standard magnetic type attachments. They include those in General's MAGNETACH® tooling system, as well as those utilizing Lavina®/EDCO® magnetic mount tooling. The M-Series line includes five different single- and dual-head grinders: the single-head, electric-driven SG12EM (1.5-hp/1.1kW, 115 VAC, 60 Hz); the dual-head, electric-driven SG24EM (2-hp/1.5kW, 115/230 VAC, 60 Hz); the dual-head, electric-driven SG24E3HP50M (2.5-hp/1.9kW, 220 VAC, 50 Hz); the dual-head, electric-driven SG24E3HP60M (3.0-hp/2.3kW, 230 VAC, 60 Hz); and the dual-head, gas-powered SG24GHM (13-hp/9.7kW Honda GXV370 4-stroke engine). They offer the same reliable performance and extreme durability of General's long-established line of Legacy Series grinders, but use magnetic retention for quickly and easily switching attachments, instead of the traditional wedge system.

Compatible attachments within General's MAGNETACH tooling include PCD coatings and tungsten carbide coatings removal systems, and a diamond segment grinding system. These attachments make the grinders ideal for a wide variety of surface preparation projects, including grinding green to fully cured concrete, and removing various thin-film coatings, epoxies, thin-to-medium glues, mastics, urethanes, concrete levelers, and paint.

www.generalequip.com



Customers can count on personal support by the MoveSmart team.



MoveSmart Makes Asset Management Easy

MoveSmart from Tyrolit provides a more innovative platform for easy asset management than comparable digital solutions. Whether for stock accounting, planning machine maintenance, or locating vehicles, MoveSmart makes this information accessible at any time via cell phone or PC. These and other MoveSmart advantages were highly attractive to the Marco Dätwyler Group (MDG), a 12-company firm that operates in various areas of the construction industry, including concrete demolition and building system installations.

"Before MoveSmart, we had to manage dozens of Excel lists, forms, and PDFs," explains Regina Dätwyler, head of MDG's logistics center. "The lists were not linked and had to be adapted manually. This was a great administrative effort, which is now considerably simplified with the help of the MoveSmart platform. We can display the inventories of our different companies and branches at a glance and the internal rental of machines can also be easily documented."

Approximately 5,300 of MDG's operating resources are already integrated into the MoveSmart platform, which



MDG's Regina Dätwyler and Markus Käser.

are currently primarily used for asset management, site connections, and generation of inventory lists.

"All internal allocations, the documentation of the history of the machines as well as our spare parts management are already done via MoveSmart," says Markus Käser, strategic purchaser at MDG. "The personal support and training on how to optimally integrate the platform into our workflow confirms that Tyrolit is the right partner for the asset management of our company. The cooperation works really well and is very professional."

As for the best approach to implement MoveSmart in a company, Dätwyler recommends a gradual introduction.

"It is also essential to clean up the database before importing MoveSmart, and involving employees through every step of the process," she adds.

www.tyrolit.com



MoveSmart simplifies equipment management and makes it accessible at any time via cell phone or PC.

Von Arx Expands Global Presence

A specialist in concrete and steel surface treatment equipment, Von Arx has experienced rapid growth over the past five years and is now represented in over 50 countries worldwide. Over the past five years, Von Arx has developed several new products and, at the beginning of 2024, acquired the German shotblasting manufacturer IMPACTS. Today, the company's product range spans concrete drills, shavers, vacuum cleaners, floor scrapers, pneumatic needle scrapers, scabblers, ball blowers, dust collectors, and floor sanders. To further strengthen its position, Von Arx has established a Dubai-based distribution company, Von Arx International Trading LLC. From there, Von Arx and IMPACT equipment will be distributed to markets in Africa, the Middle East, and Asia. "We want to be able to serve our customers better in these markets and we see great potential for our products here," says Fredrik Åkermark, CEO and owner of Von Arx. "By establishing distribution and service closer to our customers, we can become a better partner for companies in construction, oil and gas and maritime industries."

www.vonarx.com



AQUAJET

No. 1 2025

magazine

HYDRODEMOLITION NEWS

Show off your hydrodemolition work!

SEND YOUR BEST PHOTOS - GET AN AQUAJET GIFT >>

Aquajet World Tour

SUCCESSFUL STOPS IN EUROPE AND ASIA >>

FAQ

WE GOT THE ANSWERS

Project challenges

NOT EVERY PROJECT IS STRAIGHTFORWARD FLATWORK >>





Dear Readers,

At Aquajet, we are dedicated to simplifying hydrodemolition and making it accessible in every situation. We are excited to announce the launch of a new version of our Spine system, designed for greater flexibility and equipped with new solutions that enhance automation and safety.

As we look ahead, we are committed to advancing hydrodemolition. With increasing project complexity and a focus on sustainability, we maintain complete control over our processes—from innovation to market support—ensuring swift updates. Our in-house product development enables us to continuously improve, creating safer and more efficient workplaces for our customers.

Through collaboration with our global partners, we are confident in our ability to lead in hydrodemolition technology. Together, we will shape the industry's future and provide solutions for tomorrow's challenges. At Aquajet, we don't just wait for change; we are the change.

Thank you for being part of our journey!

Best regards,

Roger Simonsson
CEO, Aquajet Systems AB

Aquajet Magazine

HYDRODEMOLITION NEWS

NO. 2, 2024

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SCAN ME

AQUAJET

Every industry has them — the questions you get asked over and over. Despite being around for more than 40 years, hydrodemolition is still an intriguing new process for a large portion of the population. And they have questions. Here, we try to answer the most common hydrodemolition questions.

For even more information, please visit our website. www.aquajet.se

Ergo solves PROJECT CHALLENGES

Aquajet's Ergo System represents a new lightweight category in hydrodemolition robots. With a power capacity of up to 3,000 bar (43,500 psi), this compact unit is built for versatility and safety in challenging concrete removal and industrial cleaning applications.

Concrete removal in tight spaces

Need to remove material in hard-to-reach areas, like under tanks, behind pipes, or near existing structures? Unlike hand lances, which require at least 1,5 m (5 ft) of space to operate, the Ergo can function in spaces as tight as 35.6 cm (14 in).

For jobs like refractory removal inside furnaces, the lightweight Ergo components can be easily installed through a man-hole entry and positioned on scaffolding. Controlled remotely, the system efficiently removes material while protecting surrounding structures, such as tubes and anchors. The Ergo is also ideal for interior projects, such as removing concrete while preserving rebar for new drains or foundation work.

Removal on curved surfaces

The Ergo is not just built for tight spaces but also excels on curved surfaces like



pipes, tanks, piers, and columns, delivering impressive material removal rates both inside and out.

For different curvature angles, contractors can choose between the spine or climber system with curved scaffolding. For larger surface prep jobs, like water tanks or parking garages, the Ergo Rotolance series can achieve over 9,3 m² (100 ft²) per hour, depending on application. The Rotolance 130S, with its specialized suspension system, ensures smooth operation on uneven or curved surfaces.

Underwater concrete removal

The flexible setup of the Ergo System also makes it ideal for underwater applications like bridge pylons or piers. With the controller positioned above the high-water mark, contractors don't need to worry about tides. The spine and climber function as easily below the waves as above. This allows contractors to work at their own pace, rather than Mother Nature's, and minimizes the need for divers, reducing labor costs and increasing safety.



Photo courtesy of THP, France.

Share **YOUR** hydrodemolition moments with us

We want to see the incredible work you're doing with Aquajet equipment! As part of our ongoing efforts to promote knowledge and innovation within the hydrodemolition community, we invite you to share your best photos and videos showcasing your projects.

At Aquajet, we believe in the power of collaboration and the importance of sharing knowledge within the hydrodemolition community. Whether you're tackling complex challenges, using our technology in unique ways, or simply capturing the powerful performance of Aquajet products in action, your contributions can help spread awareness about the effectiveness of hydrodemolition methods.

As a thank you, we'd like to show our appreciation by sending a special gift from Aquajet to everyone who shares their photos or videos with us! We look forward to feature your contributions in our magazine and other media, giving full credit for your work.



Photo courtesy of Buchen Sweden AB.



Photo courtesy of Buchen Sweden AB.

These stunning shots captures hydrodemolition work on a hydro power plant in Sweden with an Aqua Cutter 750V and an Aqua Cutter 410A. A perfect example of efficient, high-quality concrete removal in challenging conditions.

Why Participate?

- **Showcase Your Skills:**
Highlight your expertise and the projects you're proud of.
- **Educate Others:**
Help share insights and knowledge within the hydrodemolition community.
- **Receive a Gift:**
As a thank you for your contributions, everyone who sends us photos or videos will receive a special gift from Aquajet, along with full credit when their work is published.

How to Submit

1. Choose your best photos and/or videos that capture your work with Aquajet equipment. High resolution preferred.
2. Include a brief description of the project, including location (if possible) and the equipment you used.
3. Email your submissions to aquajet@aquajet.se.



Not every project is **STRAIGHTFORWARD FLATWORK**

As the demands of the construction and maintenance industries evolve, so do our solutions at Aquajet. With a strong emphasis on innovation, efficiency, and sustainability, we continually push the boundaries of what's possible. By creating flexible and adaptable solutions for the most complex hydrodemolition challenges, we aim to meet and exceed our customers' project demands.

We recognize that not every hydrodemolition project is straightforward. That's why we invest significant resources in developing advanced equipment designed to tackle even the most complex applications. Whether it's accessing tight spaces in tunnels or removing concrete from beneath bridge decks, our innovative solutions address these unique challenges head-on.

Aqua Spine 3.0

A prime example of our commitment to innovation is the Aqua Spine 3.0. This versatile multi-modular system is designed specifically for surfaces that may be inaccessible for standard hydrodemolition robots. The Aqua Spine is essentially a spine-like rail system that can be mounted directly onto concrete surfaces or supported by carriers like cranes or scaffolding. This flexible system allows us to attach a variety of tools that can be powered remotely by the Aqua Cutter robot or the Ergo Controller, enabling precise hydrodemolition work even in hard-to-reach areas.

Our latest efforts have been centered on making our Aqua Spine 3.0 solution even more light-weight, product compatible and

with a wider range of support and fastening systems. This new version of the Aqua Spine system is compatible with both Aqua Cutter 750 and the Ergo Controller and offers a variety of support systems, including height-adjustable support legs and brackets for bent scaffold tubes. With these support attachments, the Aqua Spine 3.0 can be extended to any required length, allowing for up to 6 meters between supports, whether used horizontally or free-standing. It can also be outfitted with the Circular Power Head for working on pillars both above and below water, as well as a Power head with the Infinity system and Rotolances. The Aqua Spine is highly customizable, allowing you to tailor, assemble, and modify it to meet your specific project needs.

Curved Roller beam

Continuing our commitment to innovation, we are also pleased to introduce the Curved Roller Beam, designed specifically for the Aqua Cutter 750. This new addition complements our standard straight Aqua Cutter Roller Beam by enabling efficient hydrodemolition work on curved or circular surfaces, such as pillars, tunnels, or other partially circular structures.

The Curved Roller Beam connects effortlessly to the Aqua Cutter 750 or Aqua Spine 3.0, allowing for a 90-degree upward tilt, 360-degree rotation, and vertical movement along the Aqua Cutter's tower. Once the Aqua Cutter 750V's power head with the lance and nozzle, is mounted on the Curved Roller Beam, it easily adapts to curved surfaces. Support wheels at each end function as mechanical stops for the power head, ensuring stability and smooth operation. Additionally, the Curved Roller Beam is compatible with the Rotolance, making it highly effective for lighter concrete removal tasks.

This innovative beam is designed for hydrodemolition on both inner and outer surface radius, with a minimum radius of 500 mm for outer surfaces and 2000 mm for inner surfaces.

The Curved Roller Beam offers customizable options, enabling customers to specify the length, surface radius, and angle required for their unique project needs.



Ergo configuration

Aqua Cutter 750 configuration

Aqua Spine system 3.0

- Multi-modular rail system, with dual and triple rail
- Versatile support system
- Powered by Aqua Cutter 750 or Ergo Controller

Aqua Cutter 750 compatibility:

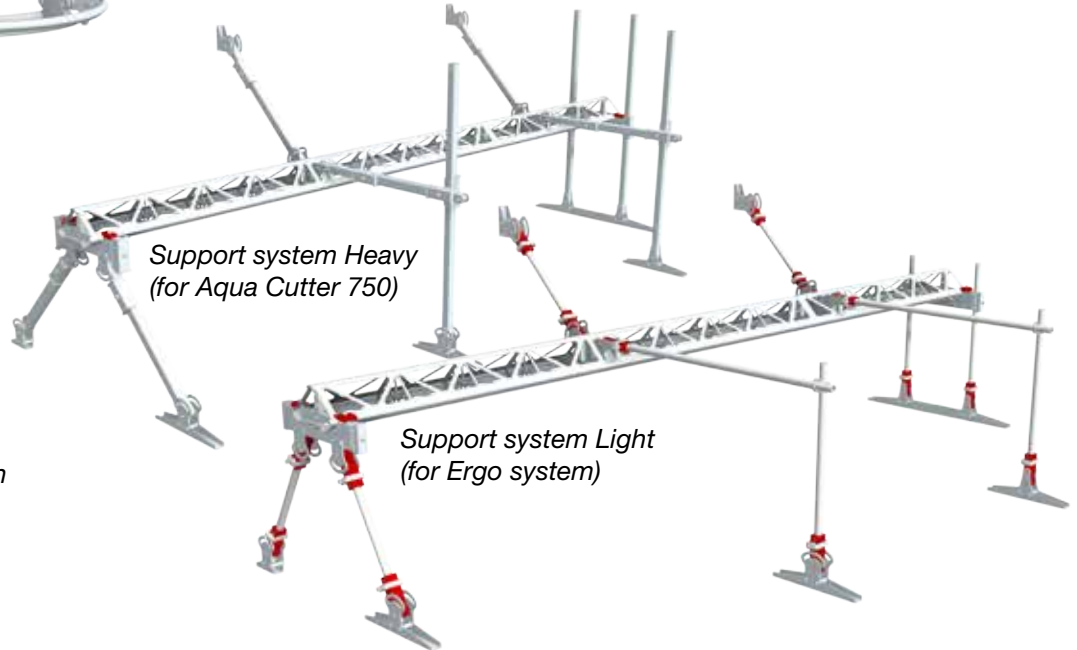
- Power head, equipped with the smaller protection cover.
- Infinity system
- Circular Power head
- Rotolances

Ergo Controller compatibility:

- Power head, equipped with Ergo protection cover.
- Ergo Rotolances



Circular Power Head configuration



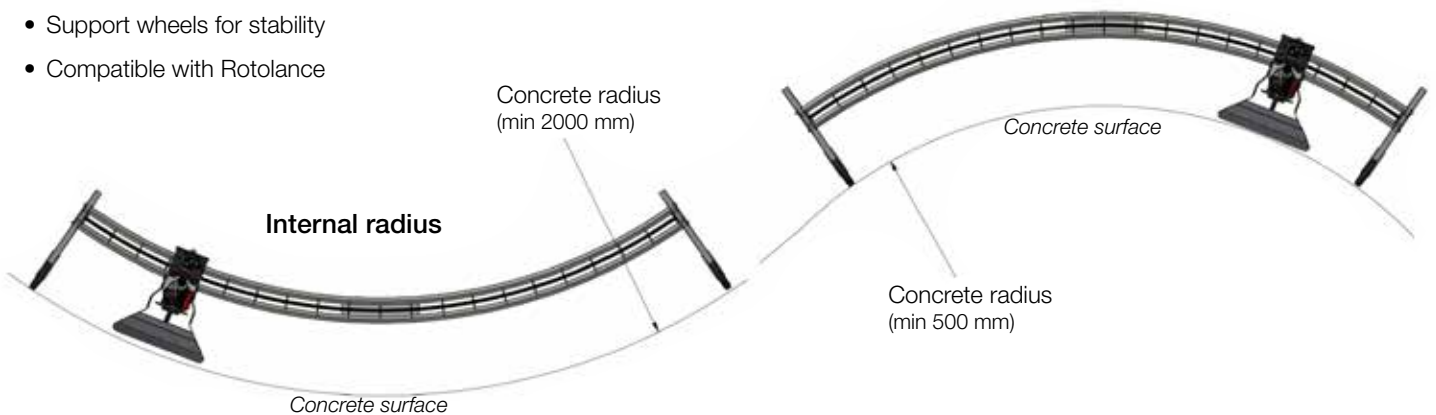
*Support system Heavy
(for Aqua Cutter 750)*

*Support system Light
(for Ergo system)*

Curved Roller beam

- Aqua Cutter 750V roller beam for curved surfaces
- Compatible with the Aqua Spine 3.0
- Adjustable tilt and rotation
- Customized beam radius, beam length or angle of circle segment
- Capable of hydrodemolition work on both inner and outer surface radius
- Support wheels for stability
- Compatible with Rotolance

External radius



Internal radius

Concrete radius
(min 2000 mm)

Concrete surface

Concrete radius
(min 500 mm)

Concrete surface

AQUAJET'S WORLD TOUR

Successful stops in Europe and Asia



On site in Germany for the European leg of Aquajet's World Tour.

On June 5-6, 2024, Aquajet's World Tour made a successful European stop in Friedenweiler, Germany.

Hosted by our German distributor, Brokk DA, the event gathered around 70 customers from eight countries, including Germany, Switzerland, France, Belgium, Norway, Italy, the UK, and Australia, offering a perfect opportunity for industry professionals to learn more about Hydrodemolition and the latest advancements in Aquajet's product range.

Over two days, participants engaged in educational presentations and networking while exploring Aquajet's hydrodemolition solutions. Attendees were also given an exclusive look at upcoming product features launching later this year. One of the key highlights of the event was the advanced training sessions that focused on how users can maximize productivity and achieve the best possible results with Aquajet's equipment. Customers had the chance to see our Aqua Cutter hydrodemolition robots in action, alongside a wide range of efficiency-enhancing accessories, including the Circular Power Head, Rotolance, Dual and Triple nozzles, the Extension Kit, and Aqua Spine.

The World Tour continued on October 9 with a successful stop in Hong Kong, hosted by Brokk Asia-Pacific Pte Ltd.

This Asia-based event drew 85 participants from China, Malaysia, India, Taiwan, Singapore, Hong Kong, and Thailand. Highlights included live demonstrations of the Aqua Cutter 750V performing hydrodemolition

with single and triple nozzles, as well as with a Rotolance. An Ergo model was also showcased, demonstrating its unique benefits for specific hydrodemolition projects.

"It's an exciting time for Hydrodemolition. Technology is rapidly advancing, there is a greater demand for the services and a readiness to replace handheld methods with safer, more automated processes," said Roger Simonsson, Aquajet managing director. "Many new customers joined us at both events with great enthusiasm for Hydrodemolition. We spent a lot of time discussing applications and challenges and the potential for Hydrodemolition solutions."

One of the key features of the World tour events was the live Hydrodemolition demos based on attendees' requests. These demonstrations allowed participants to evaluate specific conditions, settings, and results. By analyzing different scenarios in real-time, customers gained valuable insights into how Aquajet equipment can be optimized for specific project challenges they may be facing.

"There was an overwhelmingly positive reaction to both events," Simonsson said. "We always enjoy the opportunity to interact with customers and learn how we can expand our offering to address even more of their applications. We look forward to future World Tour events."



About 70 customers from eight different countries attended Aquajet's 2024 World Tour in Friedenweiler, Germany.



Participants at Aquajet's World Tour event in Hong Kong were shown the Ergo and its benefits across various applications.



Aquajet showed its fleet of equipment and performed hydrodemolition demonstrations at the company's 2024 World Tour event in Germany.



Live demonstration of the Aqua Cutter 750V at the Hong Kong World Tour event.



Get ready for **BAUMA 2025**

Aquajet is gearing up for Bauma 2025, following our successful showcase at Bauma 2022 in München, Germany. Our booth was bigger and better, attracting a flurry of visitors eager to learn about hydrodemolition and explore our innovative products.

While online information is easily accessible, nothing compares to experiencing equipment firsthand and connecting with our product and application experts. At Bauma 2025, attendees will have the

unique opportunity to see our full line of hydrodemolition robots up close and gain insights into their capabilities.

Join us at the same place and booth for another incredible event filled with groundbreaking hydrodemolition technology and engaging discussions.

We look forward to welcoming you to Bauma 2025!

“

“We’re in the midst of planning for Bauma 2025, and the excitement is building,” says Roger Simonsson, Aquajet’s managing director. “As always, we will present new products and developments that our in-house team has been working on, now ready for launch.”

”

Event schedule 2025

World of Concrete

January 21-23, 2025

Las Vegas, USA

Bauma 2025

April 7-13, 2025

München, Germany

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In order to overcome the underwater cutting challenge, the team came up with a special construction of two connected Tyrolit SB wire saws.

Tyrolit Wire Saws Tackle “Underwater Cutting” to Create New Fish Ladder

At the Flumenthal power plant in Switzerland, a completely new fish ladder is currently being built in the form of a bypass channel – the ideal construction site for Tyrolit diamond tools and machines. After the construction of the Flumenthal power plant 50 years ago, fish in the Aare were able to overcome the difference in height between the upper and lower water via a fish pass. However, this no longer meets today’s fish migration requirements, which is why Alpiq Hydro Aare AG commissioned a completely new fish ladder in the form of a 1,575-ft (480m) bypass channel, which should be completed by the end of 2024. Within the framework of this project, the old concrete bank wall below the power plant’s estuary had

to be removed and replaced by a new one.

For the dismantling work, contractor Bohrex AG from Subingen required a number of core drills and horizontal as well as vertical cuts by wire saw, all of which were carried out with Tyrolit products powered with the PPH40RRP power pack. A diver supervised and supported the underwater work, using a radio and an underwater camera for controlling the cuts. The diver even carried out some of the cutting work with the help of instructions from the team onshore

In a first step, various holes were drilled with Tyrolit core drill bits in order to feed the saw wire for the vertical cuts and to secure and recover the dismantling elements. Half of the drilling was carried out in the dry basin. However, for the second half of the drilling works, the basin was flooded and the drilling was carried out under water. After that, several vertical cuts had to be made with the Tyrolit WCU17 wire saw used together with the attachment kit for the WSE1217 wall saw. The major challenge was the final 82-ft (25m) horizontal cut, which could not be carried out with standard machines due to the required **A mobile XXL crane was organised to remove the old wall.**

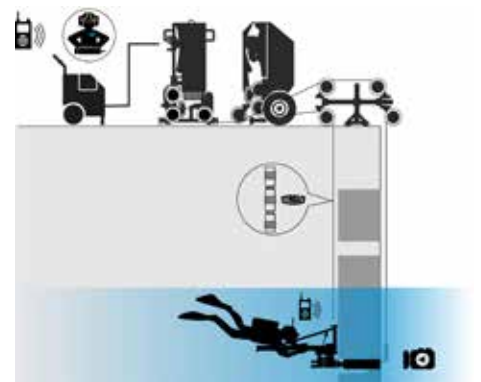


Illustration of the horizontal cutting operation.



A diving team monitored and supported the dismantling work under water and was always in contact with the team onshore.

machine power and the enormous cutting length under water. The project team therefore used a special construction in the form of two connected Tyrolit SB wire saws.

The heavily reinforced concrete, loose material, and strong water flow caused by heavy rainfalls made the work a challenge for all parties involved. Safety was also a top priority during the cutting work. Operators were secured by a safety line at all times, while the cut elements were managed to prevent them from being carried away by the current.

www.tyrolit.com

Safety was a top priority, with workers secured at all times with a safety line.



Husqvarna Optimizes Range of Large Floor Grinders



All of the best features from Husqvarna's most popular machines are now under one optimized platform for superior grinding performance. From top to bottom, these robust and powerful grinders are packed with features from the consolidation of three product lines, designed for maximum comfort, efficiency, and reduced maintenance costs. Each model has a hermetically sealed grinding head and electrical cabinet design, preventing superior reliability and low maintenance. EZChange,™ a hassle-free system for changing diamond tooling is also standard.

Husqvarna's most efficient planetary floor grinders—the PG 8 DR, PG 8 XR, PG 8 D, and PG 5—are designed for all types of flooring applications such as texturing, preparing, grinding, and polishing. With integrated weights with three preset positions, these models achieve consistent scratch patterns and smooth, even surfaces with minimum effort.

Most feature Dual-Drive Technology,™ while both versions of the PG 8 are equipped with new remote control systems.

The EZChange tool holder with Airflow technology, available on these models, creates an increased and controlled dust or water from intruding and damaging components. This feature provides airflow around the tools. This cools the tools and directs dust towards the extractor. All-around PG 8 S and PG 6 S models are versatile, three-disc planetary floor grinders suitable for most applications, from coating removal to grinding and polishing on concrete and natural stone.

"It's now easier than ever to find the right machine and leave the best results on the floor," says Gustav Berggren, Husqvarna's product manager for floor grinders. "From newcomers to floor-grinding experts, operators can find the perfect machine with this range."

www.husqvarnacp.com



Kahl Once Again Invests in Goldhofer

With 100 self-propelled axle lines and around 250 towed axle lines from Goldhofer, the Kahl Group has one of the largest vehicle fleets in Europe. Kahl focuses on heavy and out of the ordinary transport solutions. The company's split modules provide a broad heavy haul portfolio in terms of vehicle width.

Earlier this year, Kahl expanded its Goldhofer fleet even further with the addition of thirty PST/ES-E (315) axle lines and eight PST/ES-E (285) axle lines with variable track width. Andreas Kahl, managing director of the Kahl Group, explains that the addition of Goldhofer self-propelled modules increases the company's capacity to handle challenging projects. He notes that the basic 7.9-ft (2.43m) of the PST/ES-E (285) modules can be increased wider under load.

Thanks to its long standing and dependable partnership with Goldhofer, the Kahl Group now believes it is ideally positioned to act as a full service provider for heavy haul and lift operations in support of infrastructure and energy sector projects, where high performance and flexible transport solutions are required.

"Goldhofer technology scores in terms of safety, flexibility and combinability," Kahl says. "In addition, Goldhofer provides solutions that are more sustainable and more economical in the long term than comparable competitors."

www.goldhofer.com





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March 5-8, 2025 • New Orleans, LA

Elevating Industry Standards: NDA's CDS Certification

In the demolition industry, safety, expertise and leadership are essential. The National Demolition Association's Certified Demolition Supervisor (CDS) certification stands as a crucial measure of professional competence. The CDS validates the capabilities of supervisors in handling complex demolition projects while reinforcing a commitment to safety and efficiency. For industry veteran Jeff Sessler of Sessler Wrecking, Waterloo, N.Y., the decision to encourage his team to pursue the CDS certification comes down to ensuring his workforce is equipped with the knowledge to handle the industry's challenges.

"The CDS is a thorough way to ensure you have the right people with the right knowledge running the work and leading the team safely and efficiently," Sessler says, adding that the company is moving toward making the CDS a requirement for anyone to hold the title of superintendent.

"The demolition industry is extremely complex, and some sites change conditions daily, or even faster. It's making sure that your team is led by someone who has the experience and expertise," he says.

Don Collier of MILBURN Demolition, Bellwood, Ill., shares similar sentiments. Having been involved with the NDA Certification Board from the program's inception, Collier views the CDS certification as a badge of honor for those willing to put in the effort.

"It's a true national measurement to test their abilities to be a safe and successful, high-level field supervisor," Collier says. He further explains that the rigorous nature of the CDS

certification process helps distinguish between those who simply want to lead and those who are truly qualified.

"It vets out the 'wanters' from the qualified people," he adds.

Addressing Industry Complexities

Both Sessler and Collier recognize the unique challenges that come with managing demolition projects. These challenges are one of the reasons why the CDS program has been carefully structured to address the real-world complexities of the industry. Sessler notes that certification is increasingly being required in job specifications, giving companies like Sessler Wrecking a competitive edge.

"We've been awarded work by showing the additional trainings that our superintendents carry," he says.

Collier cites the years of experience and effort that have gone into developing the CDS certification have made it truly unique.

"The processes that have been put in place, from the sponsorships to the way the exam content is structured, all ensure that those earning the CDS are truly qualified to lead," he says. "The certification is designed to maintain a high standard in the industry, something that benefits not only the certified individuals but the companies they work for and the industry as a whole."

For companies that may not yet be actively encouraging CDS certification, both Sessler and Collier have strong words of advice. Sessler says that the certification can advance

individual careers while also benefiting the entire organization.

"If you want to advance yourself, get the certification," he says. "It shows that you are a leader willing to take the time to become certified to be a better leader for your team and organization."

Collier is equally passionate about the benefits of the CDS certification, particularly when it comes to safety and profitability.

"If you keep an organized project, and you run it safely and successfully, and you have a talented supervisor, you're making money," he says.

Advice for aspiring Certified Demolition Supervisors

Collier stresses that the CDS program is not for everybody, but rather "for those high-level supervisors that want more." His key recommendation for potential candidates is preparation:

"Go over the content outline, go over the reference material, and do it again," he says. "When it comes time to sit for the exam, relax, take a breath, and choose with your gut, because those people are the people that we want."

Sessler concurs, stressing that the CDS certification is an investment in both individual careers and the future success of demolition companies.

"By obtaining the certification," he says, "supervisors can demonstrate their commitment to leading safely and efficiently in one of the most challenging industries."

www.demolitionassociation.com

Scanreco Shows the Way With Wireless Radio Control

More and more machines in demolition, concrete cutting, hydrodemolition, and grinding and polishing now operate via remote control. This benefits users and people in the vicinity of the equipment. One of the leading manufacturers that develops and manufactures wireless radio control equipment comes from Scanreco of Sweden

Scanreco is one of the world's largest developers and manufacturers of radio control systems, developing and manufacturing products for a range of different areas of use and machine types. Manufacturers of machines and equipment for the building and construction industry are major Scanreco clients, with many companies from the industries that PDA covers being major users of Scanreco's equipment. Scanreco is now considered to be the sectors leading supplier of radio control systems.

40 years of radio control

It all started in 1984 when Björn Askestig and Kaj Johansson founded the company in a garage in Södertälje, a town just south of Stockholm. From the beginning, the company grew rapidly, and in recent years has grown by between 15% and 20% annually. Today, Scanreco employs around 400 people worldwide. It's current headquarters in Sättra houses all product development, with a variety of labs and test facilities. Scanreco has a special department



From the left Scanreco CEO Peter Lageson and Sales Manager for Global OEM Magnus Lundgren.

that ensures that all products meet, and often exceed, strict regulatory requirements for functionality and safety. Rigorous tests are carried out according to detailed test protocols, both in the laboratories at Sättra and by external test institutes, to ensure that the products meet current international standards before being released to market.

Scanreco's system is mainly used for radio control outdoors, often in very tough operating environments. The verification process is extensive, which is necessary to ensure operational reliability as unexpected machine downtime can mean loss of income for the machine owner. Thus, reliability is important for users of radio control for heavy machinery and powerful equipment. In the wet room laboratory, both a water hose and a shower cabinet are used to soak equipment with water for a number of days to test that the equipment is able to withstand wet weather conditions. In the climate cabinets, the temperature and humidity changes from tropical heat wave to freezing conditions to test both electronics and mechanics under extreme temperature conditions. The products also undergo vibration and drop tests where they have to endure tough handling.

For example, a radio control system a demolition robot endures tough handling during every day of the year. Weather and wind, dirt, concrete, mud, and hard knocks are commonplace and the equipment must be able to deal with it all. The radio signal is also a crucial component of a radio control system. Scanreco's radio signal has been praised for being



In the wet room laboratory, both a water hose and a shower cabinet are used to soak equipment

very stable and that it does not disturb, or is disturbed by, other signals in the vicinity of the machine. Scanreco even has a former university professor in radio technology employed who primarily works with developing and improving the radio signals for the company.

Manufacturing and market

Though developed in Sweden, Scanreco products are manufactured at the company's state-of-the-art factory 'ód?', located just west of Warsaw in Poland. Commissioned in 2022 with a workforce of 200 people, the 'ód?' plant is complemented by subsidiaries in Denmark, Germany, the Netherlands, Italy, and the U.S., as well as a number of employees in other countries. In China, there is a locally focused distribution channel with final assembly for the Asian market. In addition, Scanreco has a large global network of independent distributors and sales



Besides tough treatment Scanreco equipment conquer tough weather conditions.

partners. The products are sold to machine manufacturers all over the world, with the largest single market being Europe, followed by North America.

"North America is the fastest growing market for us now," notes Magnus Lundgren, sales manager for global OEM. He adds that the 35-employee Cincinnati, Ohio, assembly facility supports the North American market, which accounts for 20% of the company's sales and is growing strongly.

Increases efficiency, capacity and accuracy

Scanreco believes that investing in radio control for equipment for demolition-related machines offers a variety of advantages, the most important of which is safety. "The operator can monitor and operate machines from a distance, and gets a much better overview of the work," explains Mattias Kelam, VP product management. "With properly designed radio control, the operator can also significantly increase the accuracy, efficiency and quality of work, and there is also less risk of being injured by falling material. Lundgren adds that the same principle applies when working with water forming robots, which often scatter a lot of concrete chips around the machine, or when grinding concrete floors, which often generate a lot of dust.

Close cooperation with customers and end users

Scanreco currently cooperates with several manufacturers of various machine types in Sweden, but is mainly focused on the export market.

"As a supplier of advanced radio control, you are anonymous in this context," Lundgren says. "Many of our customers want our equipment to be associated with their brand, which is something that applies in most global manufacturing contexts, such as the automotive industry."

Other customers, says CEO Peter Lageson, want to show off that they have Scanreco control.

"We do not display which global machine manufacturers we work with, and in which machines radio control from Scanreco is installed," he explains. "But those who work in the respective machine industry usually know who has delivered the equipment."

Lageson goes on to say that in all manufacturing contexts, components come from different suppliers.

Starting from scratch and developing, tailoring and manufacturing radio control for a specific type of machine is very demanding and advanced.

"It is basically impossible for a machine manufacturer to have the deep knowledge and competence internally," he says. "That's where we come in and deliver high quality radio control equipment."

Kelam says that when it comes to customer relations, Scanreco ensure close collaboration with the machine manufacturer.

"We always tailor the equipment for them and for a specific machine," he says. "With global manufacturers, it is especially important that we have a close collaboration with their technicians and development department. We often meet with end customers to create a complete picture of the machine and working conditions to get a good picture of how our equipment should work."

The competitive situation

Today there are quite a few companies that specialize in the development and manufacture of radio control systems. There are now five very big players in the industry but Scanreco is the leading player in terms of unique products, turnover, the number of employees and market scope. Lundgren says the company's dominant position stems from "our electronics and the quality of our radio signals, which are very stable both in terms of external influences and that we do not interfere with other frequencies. The robustness of the products is another aspect."

Lageson adds the construction and quality of Scanreco systems is very high, enabling them to withstand great stress without any trouble.

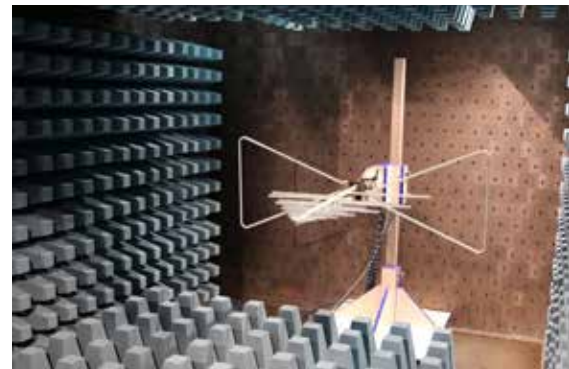
"Our systems rarely break down, which is important to our customers," he says, adding that Scanreco's products are also modular, which makes it possible to relatively easily change, expand, and adapt them based on machine manufacturers' needs and requirements.

Today, Scanreco supplies radio control systems for more than 170 different machine types, a number that is constantly increasing as more and more machine manufacturers and machine owners realize the benefits of good radio control. Indeed, if the work is demanding, tough, and sometimes dangerous, then a Scanreco remote control is an ideal tool.

The increase in robots and autonomous vehicles



Scanreco manufacturing plant in Łódź, Poland.



The Scanreco signal is tested thoroughly in a soundproof room.



The Scanreco headoffice in Stockholm, Sweden.

and machines used in construction, agriculture, and other sectors will likely be a new frontier for Scanreco.

Says Lageson, "This is a very interesting development for us, and where we are active, as wireless control becomes an important part of these 'driverless' machines."

www.scanreco.com

The Latest in Hydrodemolition



This year's special feature on hydrodemolition equipment covers hydrodemolition news, information about new equipment for water jetting, and how extremely high-pressure water can be used in different industrial processing systems.

While there has been little in the way of hydrodemolition product developments during the past year, there's no shortage of information about the value of using hydrodemolition as an alternative method for removing damaged concrete. In some applications, hydrodemolition is an unbeatable approach that only removes damaged concrete and provides a perfect surface with good adhesion for new pouring. Another form of hydrodemolition is water jetting, which is mainly used in heavier applications that also includes graffiti removal.

More than just a lance

Aquajet's Super Lance system features elbows, lance extensions, and various nozzle options. Designed for maximum control over concrete removal depth, operators can achieve the ideal result with numerous configurations. The system enhances Aquajet's hydrodemolition robots, with each element serving an important purpose to help contractors solve problems. Elbows help operators navigate tricky obstacles, while

lance extensions can be stacked to create the correct length required for the application.

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

Aqua Cone is also compatible with Aquajet's ceramic nozzles engineered for extreme durability. The dual and triple nozzle heads are designed for shallower removals, dispersing the waterjet impact across multiple points. They also work with lances, lance extensions, and Aquajet Rotolances at multiple points, allowing coverage of more surface area in each pass. This allows an operator working with a very powerful high-pressure pump, for example, to effectively execute a shallower removal of 1-2 in (25.4- 50.8 mm).

Another feature is Aquajet's LFD® (Laminar Flow Director) concept, which eliminates turbulence before water enters the nozzles. This ensures operational efficiency comparable to using two or three separate lances, maintaining a smooth flow and optimize the water jet's performance. Utilizing multiple nozzle heads eliminates the need for the robot to move at high speeds or reduce pump power.



So how many nozzles are needed?

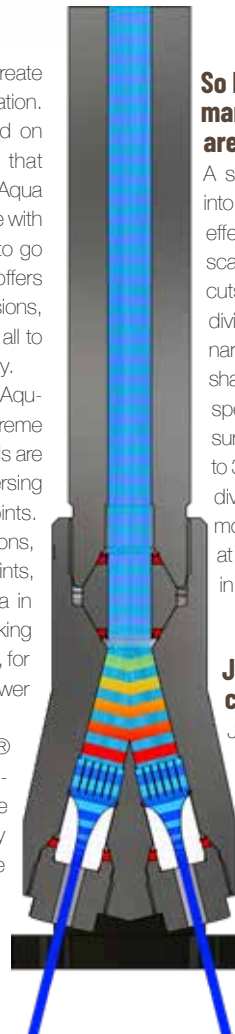
A single nozzle concentrates all power into a single impact point, providing the most effective and fast concrete removal. With a scattered oscillation pattern, it excels in deeper cuts of 2 in (50.8mm) or more. A dual nozzle divides water jet power into two impact points, narrowing the oscillation pattern. It is ideal for shallower removals where the robot's automatic speeds may fall short in smoothing the cut surface, with typical depths of approximately 2 to 3-1/8 in (20 to 80 mm). A triple nozzle further divides water jet power, covering three times more area for consistently smooth cuts, even at shallow depths of approximately 3/8 to 2 in (10mm to 50.8 mm).

www.aquajet.se

Jetstream introduces combination manifold

Jetstream of Houston, LLP, is a manufacturer of industrial high-pressure water blasting equipment, parts and accessories. The manufacturer is now introducing a combination manifold for its 4200 Series UNx™ bareshaft pump, which enables pressure transitions within minutes. The new setup streamlines conversions in the field for contractors who require different operating pressures for various applications.

John Schaer, new products engine-



and Water Jetting Equipment



ing manager at Jetstream, says the combination manifold design was born from customer feedback. The company found more contractors wanting an easier way to convert lower pressure pumps to 20,000psi (1,378 bar). While conversions between 10,000 (689 bar) and 15,000psi (1,034 bar) have always been quick and easy with Jetstream pumps, conversions to 20,000psi have required changing the manifold and valves. "With the new design, fewer parts are needed for the changeout, saving time and money," Schaer adds.

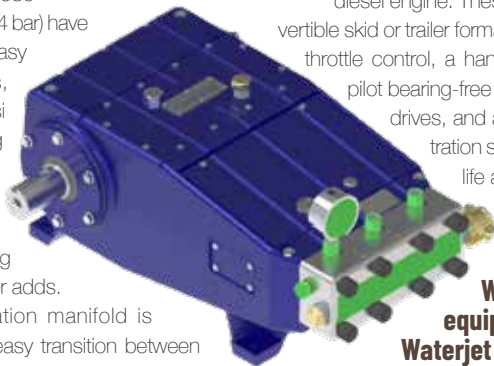
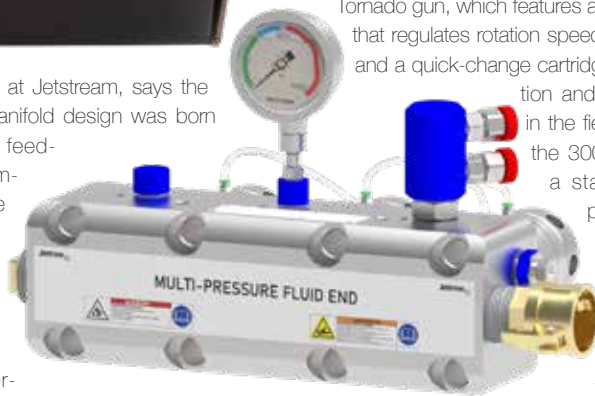
The new combination manifold is designed for safe and easy transition between lower and higher pressures by simply changing the gland nut, packing, plunger and fittings. The redesigned UniValve can now handle conversions in less than 15 minutes. This update allows contractors to adapt their water blasting pump for a variety of projects without the need to purchase or store as many additional components. It is an available option on all new 4200 Series UNx pumps, which feature a ductile iron frame, heat treated billet alloy steel crankshafts, and large bearings.

Boost to 3000 Series UNx bareshaft pump

Jetstream has also increased the maximum power input for its 3000 Series UNx bareshaft pump to 149 kW. To correspond with the boost in horsepower, Jetstream has developed larger plunger sizes for the pump, which is now able to achieve a flow rate of 7.6 gpm (28.8 lpm) at 40,000 psi (2,758 bar). This offers contractors greater power for a more diverse range of industrial cleaning and surface preparation jobs, and an ideal flow rate for single-operator setups.

Now compatible with power inputs ranging from 60 to 149 kW, the 3000 Series pump is designed for tasks that demand advanced capabilities without sacrificing space. The pump also offers the ability to quickly change between operating pressures in the field with Jetstream's proven fluid end design. The 3000 Series can be paired with Jetstream's FXG2

Tomato gun, which features an air powered motor that regulates rotation speed of the nozzle head and a quick-change cartridge for reliable operation and easy maintenance



in the field. Jetstream offers the 3000 Series pump as a standalone product, paired with an electric motor mounted on a skid, or integrated into its X-Series water blasting unit

lineup for a complete system including a diesel engine. These units are available in convertible skid or trailer format and features an electronic throttle control, a hand-adjustable bypass valve, pilot bearing-free PTOs, covered banded belt drives, and a Guardian™ waterblast filtration system to extend component life and increase uptime.

www.waterblast.com

Waterjet cutting with equipment from Techni Waterjet

Techni Waterjet from Rayong, Thailand, part of the Italian GMM Group, develops high-pressure water technology for cutting concrete, stone, and other materials. Cutting this way uses a high velocity jet of water, sometimes mixed with abrasive substances, to cut a variety of materials. The method is distinct for its ability to cut without introducing heat or significant stresses into the material, making it ideal for precision cutting of concrete. Waterjet cutting involves several critical stages, including high-pressure water generation

where water is pressurized to levels as high as 60,000 psi (4,136 bar) to prepare it for cutting. Water can be mixed with abrasive materials that can be focused with high levels of precision. The eroded material leaves a smooth, precise cut. The waterjet cutting process can handle even the toughest materials like reinforced concrete without the drawbacks of traditional cutting methods.

The precision of waterjet cutting allows for detailed cuts and intricate designs that are difficult with other methods. Cutting accuracy means less material is wasted, and cleanup is easier due to reduced debris. Unlike many conventional cutters, waterjet machines can handle the complexities of reinforced concrete with ease. The versatility of waterjet cutting extends beyond concrete, accommodating a diverse range of materials. It is ideal for marble and granite, leaving smooth edges for detailed work in masonry and stone art. Waterjet cutting is further capable of cutting through various metals such as steel and aluminum without altering their intrinsic properties. The non-impact nature of waterjet cutting prevents cracking and allows for precise cuts in glass and can shape ceramic materials without the risk of chipping or breakage. It cuts plastics cleanly without melting or warping the material.

www.techniwaterjet.com



Maximize Total Efficiency: Conjet's Key to Success in Hydrodemolition

In the dynamic and challenging field of hydrodemolition, achieving total efficiency is not just a goal but an absolute necessity. The ability to operate in variable and often harsh conditions while maintaining reliability, productivity, and safety is what separates industry leaders from the rest. To reach excellence it is crucial to understand that efficiency isn't just a single factor, but rather a combination of several critical elements working together seamlessly.

For Conjet and our customers, these elements can be summarized by:

1. Operational Efficiency: Uptime Is Everything

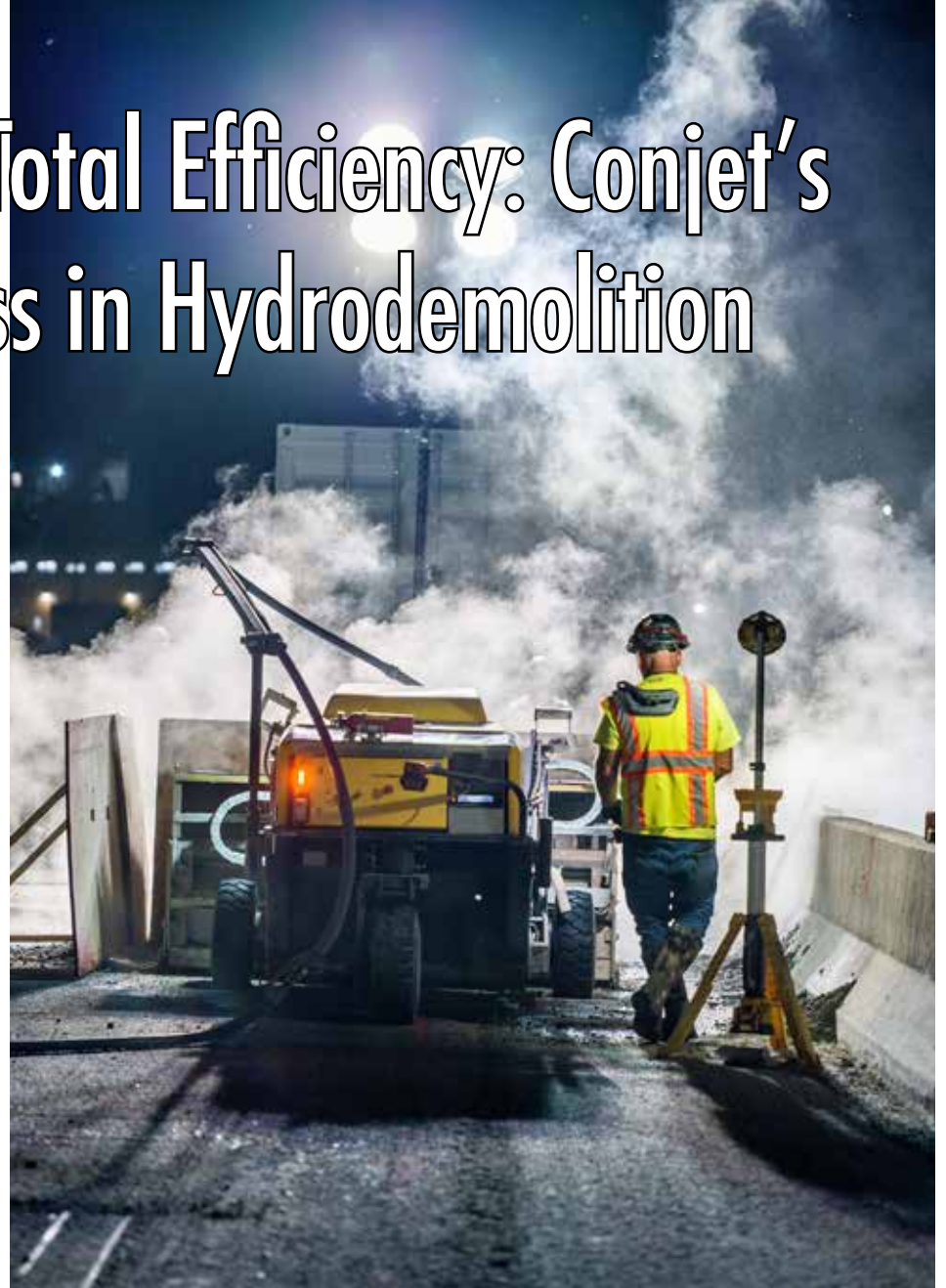
At the core of hydrodemolition efficiency lies operational uptime. Simply put, if a machine isn't operational, productivity halts entirely. Reliability is paramount, especially in environments where downtime can disrupt schedules and inflate costs. To achieve this, manufacturers like Conjet prioritize robust engineering, durable components, and advanced systems designed to withstand the toughest conditions.

2. Maintenance Efficiency: A Proactive Approach

Preventative maintenance and swift repair capabilities are critical to keeping hydrodemolition machines running at their peak. By designing equipment with easy-to-service components and back-up systems to handle unexpected breakdowns, downtime can be minimized. Maintenance efficiency is more than just reducing the frequency of repairs. It's also about ensuring that when repairs are needed, they are quick, cost-effective, and minimally disruptive. Maintenance efficiency underscores the design of all Conjet products.

3. Productivity Efficiency: Speed Meets Precision

Hydrodemolition machines must perform their tasks with both speed and precision. Whether it's removing concrete to expose reinforcement or preparing a surface for new construction, productivity efficiency ensures the job is



completed faster without compromising quality. This requires not only powerful machines, but also advanced software and control systems to optimize performance.

4. Operator Efficiency: Skill Matters

While machine capabilities are vital, the human element plays an equally important role. Skilled operators can enhance a machine's performance, maximizing throughput while maintaining safety and control. This makes training and operator support an essential component of total efficiency. Intuitive machine interfaces and automated features can further empower operators, reducing the learning curve and increasing confidence in complex scenarios.

Of course, manufacturers cannot control everything, such as environmental conditions or client-specific workflows. While these factors are harder to influence directly, Conjet is dedicated to supporting customers with flexible solutions and expert guidance that will make a significant difference. In addition, tools like Conjet Connect, our cloud-based fleet management system, allow customers to adapt swiftly. This ensures their hydrodemolition equipment is utilized effectively in even the most demanding scenarios.

Avoiding the Pitfall of Over-Focus on Technology

While innovative technology is a vital aspect of modern hydrodemolition equipment, focusing solely on advanced features can create risks. Overengineering a machine at the expense of robustness and uptime reliability can lead to costly failures in demanding environments. It is critical that technological content acts as an asset instead of a burden. Conjet has listened to experts and customers and has focused on an approach that ensures that high-tech features are balanced with practical reliability, guaranteeing stable performance even in challenging conditions.

That's why Conjet's commitment to efficiency goes beyond equipment. It's about empowering operators, streamlining maintenance, and integrating innovative technology. By addressing every aspect of total efficiency, Conjet enables customers to achieve unmatched results in hydrodemolition. For the industry at large, embracing a mindset of total efficiency isn't optional—it's essential for staying competitive. With innovative tools and a dedication to customer success, Conjet sets the benchmark for reliability, productivity, and operational excellence in World of Concrete 2025, booth #N2023.

www.conjet.com

Conquering Road Maintenance Challenges: Scanreco Empowers Operators

Highways are the backbone of modern transportation, keeping cities connected and goods moving. But maintaining these crucial routes, especially aging concrete highways, is a challenge. Despite constant wear and tear, closing a highway for lengthy repairs isn't a viable option. Road construction workers and machine operators face a myriad of challenges, from closing off and redirecting traffic, to working outdoors day and night regardless of weather and light conditions, and the road construction itself. It becomes extra difficult when the road is a bridge where the vibrations caused by traditional demolition machines can be intense, and where the construction naturally sways ever so little without anyone trying to break loose concrete.

Redefined hydrodemolition with precision remote control

Conjet, a manufacturer of advanced hydrodemolition robots offer demolishing machines that, instead of force and vibrations, use high-pressure water jets. A mega-pressure water jet of up to 43,500 psi (3,000 bar) is forced into the concrete by the machine, which breaks up the structure of the concrete while also binding dust and smaller debris. The robot's work area, water-pressure depth, as well as position, width and length of the surface to be demolished is set either on the robot itself, or via the radio remote control developed in collaboration between Conjet and remote-control developer Scanreco. The platform (basically the hardware and some fundamental software and well-sufficient functional safety level) that Conjet uses is one of Scanreco's most tested and rugged. It provides protection from dirt and water (fundamental in hydrodemolition), as well as a reliable radio link where the control won't accidentally set another machine on the site in motion.

Intuitive controls for enhanced performance

With different operators using the machine in shifts, the ruggedness, long-term reliability, and not least design and programming of the remote control is crucial for operational effectiveness and machine maintenance, regardless of who operates it. Scanreco's approach to design and configuration of



controls that are intuitive, easy to use and to understand proved to be an excellent choice for Conjet. Tim Best, the company's customer success manager for North America explains that "Scanreco's ergonomic design and rugged construction with dependable components—including an almost indestructible display—help keep Conjet hydrodemolition robot operators happy and running day after day."

In collaboration with Scanreco's design engineers, the transmitter levers, buttons, and joysticks were programmed specifically for Conjet's machines and for the operations at task. A feature that is appreciated on the highways.



Meeting the demands of complex road maintenance

By maneuvering the robot from the Scanreco control, operators also gain better overview of the operation, its efficiency, and the site at a whole. The steam surrounding the hydrodemolition robot is very hot as it is under such high pressure. Although the operations are perfectly controlled, people surrounding it may want to keep a safe distance. A professional remote control minimizes the need to approach the machine while in action unless necessary for very specific adjustments. With Scanreco's remote control, operators manage the movement of the robot from one area to another and configure parameters such as water pressure and demolition depth. Whether it's a partial removal or the full exposure and cleaning of armoring before applying new concrete, the demands of road maintenance remain constant: the job needs to be done efficiently and with minimal disruption to traffic. Hydrodemolition, combined with cutting-edge remote control technology, is helping to meet these demands, ensuring that vital infrastructure can be maintained without compromising safety or efficiency.

Load 'Em Up!

Construction equipment manufacturers have been busy over the past year, rolling out one new product after another for contractors looking to expand or update their fleets. Perhaps no sector has seen more debuts than compact loaders and skid steers, providing the power and versatility necessary to tackle any job, anywhere.

The new models also offer comfortable, feature-packed cabs and shock-suppressing suspensions to suit veteran operators and newcomers alike. Being productive can now be both profitable and a pleasure.

Kubota's small-sized SVL 50x is big on features

With its 48-in (121.9mm) frame, the 5,620-lb (2,549-kg) SVL50x is the smallest cabbed compact track loader on the market, according to Kubota. Available in four models ranging from an open (ROPS) station to a deluxe cab, the new SVL50x is powered by a 49.6-hp (36.5kW) diesel engine. The working range includes a rated operating capacity of 1,176 lb (533.4kg) at 35% of the tipping load, 4,900 lbf (6,643.5 Nm) of bucket breakout force, and a hinge pin height of 101.6 in (258cm). The "x" in SVL50x stands for "extra" due to the number of additional features included in



the new model. Similar to Kubota's larger SVL75-3 compact track loader, the SVL50x is available with a one-piece sealed cab that helps keep dirt, dust, rain, and debris out of the operator space while providing a quiet operating environment. An LCD touch panel gives operators access to a wide range of functions and information—battery charge, hydraulic oil and coolant temperature, auxiliary mode, fuel level, and the standard rear-view camera.

The SVL50x also includes technologies such as an auto-idling systems that helps save fuel by reducing engine rpm when high engine speed isn't needed and the control levers are in neutral for more than four seconds. A creep mode slows the machine to a crawl when operating a trencher, snowplow, and other similar attachments. An undercarriage suspension with the mid-rollers suspended by torsion axles. The new SVL50x compact track loader will be available at select Kubota dealers beginning in the first quarter of 2025.

www.kubotausa.com

ASV VT-75 brings superior lift capacity, loading capabilities

ASV's VT-75 Posi-Track® compact track loader is designed for at-height work, loading trucks and many other construction tasks. The Yanmar brand says that the midframe compact track loader's variety of comfort and productivity features and technologies

provides a premium experience while allowing operators to complete more work in more places.

The 8,310-lb (3,769kg) compact track loader's 74.3-hp (54.6kW) diesel engine transmits more power and flow directly to the attachment thanks to the machine's high-performance hydraulics and direct-drive pumps. A 10.5-ft (3.2m) lift height combined with a 2,300-lb (1,043kg) rated operating capacity and 6,571-lb (2,980kg) tipping load eases jobs such as loading over the side of high dump trucks. Efficient hydraulic and cooling systems allow the VT-75 to operate at 100% load, 100% of the time in ambient temperatures ranging from -40 F to 118 F (-40 to 48 C). The VT-75's Posi-Track rubber track undercarriage and suspension, made up of two independent torsion axles per undercarriage, maximize ground contact and provide more traction and pushing power, even in steep, wet, muddy,





and slippery conditions. The machine accomplishes grading and tight-space work with ease thanks to auto 2-speed technology, which provides a seamless transition between low- and high-speed modes. Speed-sensitive ride control adds to that by improving material retention at higher speeds, but switches off automatically when conducting slower-moving tasks.

Also from ASV, the new-generation RT-65 compact track loader

ASV says it has redesigned every facet of the RT-65 loader to provide users with numerous productivity, ease-of-use, and performance benefits. The radial-lift machine's new hydraulics, engine, controls, wiring, pumps, hoses, and frame maximize power from the 67.1-hp (49.3kW) diesel engine and optional 26.7 gpm (101 lpm) high flow. A highly efficient hydraulic system and direct drive pumps transfer more flow and pressure directly to the attachment, resulting in a 2,000-lb (907kg)-rated operating capacity and 5,714-lb (2,592kg) tipping load. The 7,385-lb (3,350kg) RT-65's automatic 2-speed provides operators improved control while grading, in tight spaces or other precise applications by creating a seamless transition between low- and high-speed modes. Self-leveling technology automatically levels the load both while both raising and lowering the machine's arms.

Other new tech features improve jobsite productivity, such as a work-tool positioner that enables the operator to create a push-button preset for the attachment angle based on the application. Return-to-position technology complements that with the ability to set a preset for the height of the loader arms. The two features can be paired or used independently, depending on the task at hand.

www.asvi.com

New Holland grows its compact wheel loader lineup

New Holland Construction has added three models to its C-series compact wheel loaders—the W60C, W70C, and W80C LR. The W60C 64-hp (47.8 kW) W60C has an operating weight of 11,904 lb (5,400 kg) and a Z-Bar boom design that make it idea for landscaping, material handling, and more. Next up, the 74-hp (55.4kW) W70C has an operating weight of 12,500 lb (5,672kg), to handle a wide range of light construction tasks. The high-speed 74-hp (55.4kW) W80C LR, designed primarily for the agri-

cultural market, has an operating weight of 13,432 lb (6,093kg) and lift capacity of 10,600 lb (4,808kg). All models offer new features geared toward improved comfort and ease of operation, according to New Holland. Updates include a new spacious ROPS/FOPS-certified cab with advanced climate control options. The cab is fully sealed and pressurized to minimize noise and keep out dust. An automated boom control allows the operator to set return to dig, return to travel, and height control from within the cab, reducing fatigue during repetitive loading operations. A simplified creep mode is ideal for operations requiring low vehicle speeds and high hydraulic power. A redesigned Z-Bar monolift cylinder enhances operator safety and visibility to the attachment while also providing maximum breakout force, and digging and lifting power. All models are compatible with more than 250 attachments, including buckets, brooms, snow blowers, and many others.

Also from New Holland, two new small articulated loaders

New Holland's new ML35T and ML50T telescopic reach small articulated loaders are now available to give operators additional reach and hinge pin height when loading or moving materials. Lightweight yet powerful, these telescopic reach loaders also offer enhanced efficiency and maneuverability, making them an indispensable tool for construction jobs of all sizes.

The flexible telescopic boom design of the ML35T and ML50T allows operators to retract and extend as needed to better handle jobs with varying height needs. Operators also benefit from the telescopic boom's ability to effortlessly maneuver and handle materials at elevated heights, such as loading concrete debris over the sides of dump truck boxes. Both models feature a hinge pin height of approximately 170 in (4.3m).

Equipped with a robust Stage V certified engine, diesel oxidation catalyst (DOC) and diesel particulate filter (DPF), the ML35T and ML50T deliver maximum performance and fuel efficiency with 65 and 74 hp (47.8 and 54.4 kW), respectively. Steel plates and reinforced booms are crafted for durability to minimize wear and potential cracking often found in plastic components. Serviceability of these machines is a simple process, with clearly labeled service points at ground level and easy access to engine compartments and grease surfaces.

Foldable canopies available for Mecalac compact loaders

Mecalac now offers a foldable-canopy version of its MCL2, MCL4, MCL6, and MCL8 compact loaders. The quick-folding canopy allows operators to leverage the machines' benefits in areas with limited overhead clearance, providing access not previously reachable with similar equipment. Operators can easily fold down the canopy in seconds by removing a pin on each column and simply pushing the roof back. This reduces the machine's height by as much as 1 ft (0.3m) to less than 6.6 ft (2m), allowing them to drive in areas with limited clearance, operate seamlessly indoors and navigate under carports and garage doors with swift, agile performance.

Mecalac loaders are equipped with hydraulic and maneuverability options. With M-Drive, the engine speed can be controlled independently of travel speed, allowing power and hydraulic flow to be adapted to best suit the job at hand. Speed Control allows operators to set the maximum travel speed from 1 mph (1.6 kph) up to 19 mph (30.5kph) on the MCL6 and MCL8 models. With exceptional balance between compactness and lifting capacity, MCL loaders can accommodate a range of attachments, including buckets, grapple forks, pallet forks, and shredders. An extended boom enhances material handling productivity, making tasks such as stacking bales, managing fodder and cleaning stables simple



and efficient. Each MCL machine has a 45-degree articulation that keeps the front wheels traveling in the same path as the rear wheels while driving. A 10-degree oscillation allows for a strong follow-up and maximum traction wherever the machine might travel, including on uneven ground.

www.mecalac.com

Meet Kioti's new loaders

Known mainly for its agricultural market machines, Daedong Corporation's Kioti Tractor brand has entered the North American construction market with the launch of its TL750 compact track loader and SL750 skid steer loader. Both 74-hp (54.4kW) machines feature a wide cabin available with the standard open-station design or an optional enclosed cab with heat/air conditioning for added comfort. A 10.8-ft (3.3m) height to hinge pin and vertical lift path allows operators to easily dump materials into trucks and high-sided hoppers. Both machines feature a roll-up style door that allows for easy entrance and exit, regardless of the position of the bucket or attachment. The overhead door design increases flexibility on the job as operators can work with the door open or closed. Activated with the switch of a button, a standard self-leveling feature automatically keeps the bucket or attachment in a horizontal plane when lifting. Optional ride control further reduces material spillage and lift arm movement when moving materials across the site.

For a premium touch and feel, Kioti's hydraulic pilot joystick controls offer the ultimate in maneuverability, delivering what the company calls superior "featherability" and finite control. As a result, Kioti says the machine feels like an extension of the operator, enabling precise work even in tight spaces or during complex tasks. The fingertip controls allow the operator to easily utilize the attachment function from the joystick for a smooth and effortless operation. Expect more to come from Kioti, as the company has expressed plans to develop a full line of loaders, and expand into other construction machinery markets.

www.kioti.com

New 1950 RT compact track loader from Manitou

The new 74-hp (54.4kW) 1950 RT makes the most of what Manitou calls an "extremely compact footprint." The 8,150-lb (3,697kg) machine with a radial lift arm features a rated operating capacity of 1,950 lb (884.5kW), 92-in (233.7cm) lift height, and



high-flow auxiliary hydraulics to run a wide variety of high-power attachments. Multiple track widths and tread patterns coupled with counterweights provide additional stability and operating strength. The 1950 RT also comes with Manitou's IdealTrax™ track auto-tensioning system, a swing-out cooler that aids in both engine compartment maintenance and temperature control.

www.manitou.com

Yanmar expands compact track loader line with new models, attachments

Yanmar Compact Equipment has made three additions to its new line of compact track loaders, including two versatile mid-sized machines in the product category. The 9,205-lb (4,175kg) TL75VS and 9,610-lb (4,359kg) TL80VS are highly durable and versatile construction-grade vertical-lift machines. Both feature a 10.5-ft (3.2m) max bucket pin height improves the visibility needed to load dirt into trucks and complete other at-height tasks. Yanmar says the new machines provide premium performance and operator comfort with a torsion axle suspended undercarriage featuring a pivot link system at the rear axle. The linkage technology uses a spring load that reduces oscillation and stabilizes the machine for improved ride quality and material retention. Performance from optional 26-gpm (98.4 lpm) high flow for the TL75VS and 34.3-gpm (130 lpm) for the TL80VS can be maximized by large line sizes, hydraulic coolers, and direct-drive pumps for reduced power loss and increased flow and pressure directly to the attachment. Both machines feature self-leveling technology that uses dual-direction capabilities to automatically level the load while raising and lowering loader arms. A work tool positioner enables operators to preset the angle of the attachment based on the task, while return-to-position technology lets operators set a designated height for the loader arms.

Through auto two-speed, the machine shifts automatically between low- and high-speed modes for a smoother transition and more control in spaces with limited room or where extra precision is required. Speed-sensitive ride control provides the convenience of enhanced material retention at higher speeds without needing to actively switch the feature off when converting to grading or other



slower-moving applications.

Yanmar's third new addition—the TL65RS radial lift compact track loader—is the smallest in the company's current lineup. A 67-hp (49.3kW) Tier 4 Final diesel engine and 2,100-lb (952.5kg) rated operating capacity maximizes performance and productivity for the best possible ROI. As with its larger counterparts, the TL65RS can provide optimized performance with a 26.7 gpm (101 lpm) high flow. All three models provide easily accessible daily checkpoints, removable skid plates, three-panel engine access and a swing-out radiator that can be opened without tools for quick, convenient cleaning when necessary. Yanmar customers don't have to look far to find attachments for their compact track loaders. The company recently announced a new line of branded attachments, including a full range of buckets, augers, trenchers, stump grinders, soil conditioners, breakers, sweepers, pallet forks, brush mowers, grapple rakes and buckets, and snow and grading blades.

www.YanmarCE.com

John Deere expands P-Tier compact machines

Five new machines have joined John Deere's P-Tier product line—the 330 and 334 skid steer loaders and the 331, 333, and 335 compact track loaders. All boast a new one-piece cab design with premium options, enhanced technology features, and an overall increase in operating power. Accompanying the machines are three new attachments—the MK76 and MH72D mulching heads and the CP40G cold planer. Drawing on customer feedback, John Deere says the new P-Tier models boast larger, fully redesigned operator stations and multiple safety features. Along with increased visibility on all sides of the machine, the new operator station is sealed, pressurized, and isolated from the frame to improve comfort and productivity. A standard onboard Grade Indicate feature displays the cross-slope and main-fall of the machine in either degrees or percent and allows operators to use a relative benchmark to assist in maintaining a desired grade.

With a focus on serviceability, the new cab tilts up in one piece, giving ground-level, all around access to the engine, drivetrain, and undercarriage. A single operator or technician can raise the boom and enable the mechanical lock out from within the



cab. Another product addition from John Deere is the 326 P-Tier telescopic compact wheel loader. Along with purpose-built telescoping linkage, providing effortless operation and extended reach capabilities, the new 326 P-Tier offers more than 16 ft (4.9m) of reach from its telescopic lift arm, providing unparalleled lifting powers while still being compact enough to work in tight spaces. Control of telescopic arm is performed from a mini-joystick located on the main control lever.

Now equipped with the Load Torque Indicator System, the 326 P-Tier provides visual and audible alarms if stability limits are exceeded during lifting, lowering, or extension, providing protection against overloading and elevating operator confidence. Once limits are reached, movements with the telescopic lift arms are only possible if the movement improves the stability of the load, helping keep the machine operating at maximum capability and performance. To optimize loading and stacking processes, the 326 P-Tier's electro-hydraulic controls are conveniently customizable from the touchscreen display, offering Auto Return-to-Dig, and Auto Lift and Lower functions to lower cycle times and increase productivity. The touchscreen display also provides warnings, machine status, and positioning information all in easy view. In terms of visibility, the 326 P-Tier boasts an overhead window with dedicated wiper blade and optional boom-mounted lights to complement the standard LED lights, helping ensure operators feel confident in even the most challenging job conditions.

www.johndeere.com



Volvo CE launches updated L30 and L35 compact wheel loaders

Two updated models from Volvo Construction Equipment offer operator-focused improvements that build on the company's already strong foundation in the compact wheel loader market. With the latest L30 and L35 compact wheel loaders, customers looking for 1.3–1.6 yd³ (1.0–1.2 m³) bucket capacity or 2.4- to 2.6-ton fork payload will experience faster work cycles in addition to improved maneuverability, tractive force and performance. These models include new features unique to this size class: an advanced boom kick-out and a bucket leveler option with boundary limits that can automatically lift and tilt the bucket to pre-programmed positions. This helps experienced operators ensure precise repetitive movement with less fatigue and help less experienced operators carry out faster loading cycles. The new L30 and L35 also come with additional sensors to monitor their engine and cooling performance. The standard reversible cooling fan is adjustable to handle the dusty and high debris conditions of demolition jobsites. The operator is alerted to deviations in machine behavior to improve reliability and reduce unplanned downtime.

The new-generation Volvo L30 and L35 feature an electro-hydraulic main control valve that enhances flow sharing among the hydraulic functions. The optional adjustable boom and tilt function allow the operator to set the flow of these functions using the jog wheel and display. This enables customized flows for specialty buckets or attachments. Independent hydraulic pumps provide simultaneous lifting and steering at speed.

Another big change for these models is the addition of an eight-pin harness on the boom, which can be activated by a button on the joystick. This allows a wider range of attachments to be used without installing additional wiring — a major convenience for both operators and service techs.



www.volvoce.com

CASE launches F-Series compact wheel loaders

CASE Construction Equipment has updated its compact wheel loader line, with the launch of four F-Series Evolution models — the 21F, 121F, 221F, and 321F. The 21F weighs in at 10,075 lb (4,570kg), increasing to 11,956 lb (5,423kg) for the 121F, 12,553 lb (5,694kg) for the 221F, and topping out at 13,658 lb (6,195kg) for the 321F. Bucket capacities run from .9 to 1.3 yd³ (0.7-1.0 m³) for the smallest model, rising to 1.3 to 1.7 yd³ (1.0-1.3 m³) for the 321F. Both the 21F and the 121F feature a new monolift





cylinder Z-bar loader arm, allowing for parallel lift for better pallet fork handling, without compromising breakout force. The 21F and 121F have standard flow hydraulics producing 17.7 gpm (67 lpm) of flow, while the larger 221F and 321F feature an optional high-flow package, that includes creep speed, a front electrical socket and a depressurized return drain function, to allow for a full interface with hydraulic attachments.

To meet growing customer demand, particularly from Scandinavian countries, Case says the two larger F-Series models are available with a choice of travel speed ratings—12.4 mph (20kph) in standard trim and an optional 24.8 mph (40kph) to move rapidly between work sites. The company notes that the increased travel speed is ideal for contractors that employ high-performance, constant-speed attachments, such as for snow clearing.

When combined with optional Ride Control arm suspension, the higher travel speeds also deliver increased productivity in load and carry operations, where machines are rapidly transferring material to a loading or stocking area. Powered by a 58-hp (43kW) Stage V FPT diesel engine, the 21F boasts 18.7 lbf (245Nm) of torque. This rises to 64-hp (48kW) and 192.5 lbf (261Nm) in the 121F, topping out at 74-hp (55kW) and 223 lbf (316Nm) in the 221F and 321F. The larger models come with new modular axles, available with limited slip or 100% locking differentials for maximum traction in difficult terrain. They feature multi-disc wet brakes with a hydraulically-released

parking brake, delivering improved safety and reduced effort for the operator. The new compact wheel loaders have an Eco drive mode, limiting engine revs to 1,700 rpm for reduced fuel consumption and lower exhaust emissions. While operators might expect a drop in productivity in Eco mode, engine speed regulation and variable hydraulic pump displacement results in impressive performance.

Smart features allow the operator to pre-set hydraulic response to suit individual tasks, while a bucket shake mode assists the emptying of sticky materials. As well as a return-to-dig function, there is now a return-to-travel setting and the two automated movements can be combined for easier operation in loading and tipping. A return-to-height function is also offered.

www.casece.com

Caterpillar's next-generation skid steer and compact track loaders feature more power, performance, and comfort

Caterpillar introduces eight new next generation skid steer loaders—the Cat 250, 260, 270, and 270 XE—and compact track loaders—the Cat 275, 275 XE, 285, and 285. All models feature a redesigned engine compartment that places the engine and cooling package lower into the frame for improved stability, giving the operator confidence in handling heavy loads throughout all aspects of the work cycles. Meeting both U.S. EPA Tier 4 Final and EU Stage V emissions standards, the four new compact track loader models are powered by the Cat C3.6TA engine, while the 250 and 260 skid steer loaders are powered by the Cat C2.8T and the 270 and 270 XE by the Cat 3.6TA.

Caterpillar says the new engines maintain horsepower across a wider rpm range compared to engines powering the D3 series and boast significant torque increases—13% for the 250 and 260, 35% for the 270, and 50% for the 275 and 285—for improved working performance.

A new closed-center auxiliary hydraulic system allows the new models to operate all Cat Smart Attachments with standard hydraulics, which boast a 5% pressure increase to 3,500 psi (24,130 kPa).



Cat 250, 260, 270, and 275 machines equipped with standard hydraulic flow are shipped from the factory outfitted as "high flow ready." High flow functionality is activated simply via a new software enabled attachment, permitting on-machine or remote activation of increased hydraulic flow to 30 gpm (113 lpm) for the 250, 260, and 270 models, and 34 gpm (129 lpm) for the 275 at standard hydraulic system pressure.

With a 2.75-in (70-mm) increase in interior width, the models' new cab expands footwell-to-ceiling height by 1.8 in (46 mm) and allows for an additional 1.5 in (40 mm) of hip room and 1.1 in (28 mm) more width between the joysticks. A range of new mechanical and air-ride suspension seat options are available, including a high-comfort seat that is both ventilated and heated. New auto temperature control plus vent outlet positioning above the operator quickly cool the cab's interior.

www.cat.com

Mecalac electric loader earns French equipment honors

The eS1000, Mecalac's 100% electric loader, earned the grand prize for light-range construction equipment from France from the country's Federation of Equipment. Presented at the organization's 59th annual meeting earlier this year, the award cited Mecalac's "innovation that meets the imperative undertaking that construction projects are more environmentally friendly," according to a company statement. The eS1000 was also cited for its 8-hour operating time and ease of recharging. Introduced in 2022, the eS1000 is based on Mecalac's diesel-powered AS1000 swing loader. The 15,620-lb (7,085kg) machine has an overall width of 6.5 ft (1.9m) and a tipping load of 9,480 lb (4,300kg) with a standard 1.3-yd³ (1.0 m³) bucket.

www.mecalac.com

KEMROC DMW Cutting Wheel Provides Economical Demolition of a Weir Wall



In Stadtilm, Thuringia, an 82-ft (25m) weir system was demolished to make the Ilm River passable again for fish.

By late 2024, migrating fish will have free passage again when the weir system in Stadtilm, Germany, is dismantled. Once part of a hydropower system, the weir has been little more than an obstruction for more than half a century. With other system elements already dismantled, contractor JeFra Bauservice GmbH & Co. was tasked with removing, solid concrete weir wall, over which water flowed down into the downstream basin. Due to the wall's dimensions—82 ft (25m) long and 6.5 ft (2m) high – and its composition of unreinforced concrete interspersed with wooden structures, it was decided that the KEMROC DMW 220 cutter wheel with a cutting depth of 3.2 ft (1m) on a 32t excavator would be the most suitable equipment for the job. A 30t excavator with hammer and sorting grapple would support the operations.

Another important factor, according to Jens Frank, Managing Director of JeFra Bauservice, the weir system

was directly integrated into bank reinforcement on both sides of the river.

"Vibration from an excavator using a hammer attachment could result in damage to the adjacent buildings," Frank explains.

KEMROC's DMW range of cutter attachments' have benefits when refurbishing existing concrete structures where hammers or pulverizers could damage other remaining structures due to excessive vibration. The DMW range comprises models in four sizes for carriers from 14t to 60t operating weight. In addition, models in the DMW range from KEMROC are "watertight" to depths of 100 ft (30m), making them suitable for underwater trenching and demolition work.

Demolition work on the weir wall was carried out over a two-week period in July and August 2024. At predetermined intervals the operator of the large excavator cuts through the weir wall which effectively prevented transmission of any vibration in the direction of the riverbank. The smaller excavator then freed individual wall segments and transported them to the riverbank for transport away from the job site. Despite some interruptions due to heavy rainfall, the work was completed on schedule. "According to the values measured by the consultant's office, we always remained far below the limit values set for vibration," Frank adds.

Ecological hydraulic engineering

Overflow weirs like the one at Stadtilm are insurmountable barriers for aquatic life. They interrupt passage along the river for fish and other wildlife whose life cycle requires free movement in the water.

"Fish in this body of water have never passed upstream



A second, smaller excavator plus hammer and bucket, broke out the individual concrete segments, and transported them to the riverbank.

beyond this weir," says Jens Görlach, a graduate fisheries engineer from the Thuringian State Office for Environment, Mining and Nature Conservation. The agency is replacing the weir with a so-called bottom slide to overcome the difference in height of the riverbed by building a relatively flat gradient over a length of about 330 ft (100m). An arrangement of stone bars across the entire width of the riverbed will create a number of basins through which the fish can swim upstream.

With at least a dozen other such weir systems remaining to be dismantled or demolished, Frank says a cutter wheel will prove to be a valuable solution.

"We have already had several applications which were successfully completed with the help of KEMROC attachments," he says. "We trust that we will continue to find suitable solutions for special challenges together with the specialists from this manufacturer in the future."

www.kemroc.de



Using a KEMROC cutter wheel on a 32t excavator, the massive concrete weir wall was cut into individual segments.

Husqvarna Homes In on Dust-Free Jobsites

Husqvarna is further expanding its dust management range with four new products aimed to help provide a healthier working environment.

With its product development and strategic acquisitions, Husqvarna Construction has built up a wide range of solutions ranging from power cutters to demolition robots for the construction and demolition industries. As heavy machinery is often found working on construction sites, and with work often taking place at heights with the risk of falling concrete and other materials, safety is a critical part of work. A perhaps less obvious safety aspect is the dangers from the inhalation of harmful airborne particles. Silica



dust is today considered to be the biggest risk to construction workers after asbestos. Inhaling small dust particles over a long period of time increases the risk of developing diseases such as COPD, silicosis and cancer.

A complicating aspect is that the particles are often so small that they cannot be seen with the naked eye. Therefore, it is crucial that any equipment that collects dust can be trusted and that it is really as safe as it is claimed to be. It was this realisation that led Husqvarna to launch a major investment in dust management in 2022 with its new line of "H-rated" dust extractors. Husqvarna now is expanding the range with a new dust extractor and three air cleaners.

From left: Stijn Verherstraeten, senior vice president, concrete surfaces and floors; Christofer Swahn, global product manager for the dust and slurry segment; Christian Nyberg, manager of research and development for the dust and slurry segment; and Frida Sylvan, product marketing director.

One of the pillars of Husqvarna's research and development is testing the products to ensure that the machines work as planned.



"We see dust management as something that is central to far more application areas than just floor preparation," says Verherstraeten.

New dust extractor with automatic filter cleaning

The DE 130 H is a single-phase H13/HEPA dust extractor with Auto-Pulse, a new development for automatic filter cleaning. Together with a cone shaped pre-filter, which is divided into two chambers, it is possible to alternately keep the filter clean during work. This means that the user does not have to interrupt work to clean the filter manually.

The DE 130 H is the first model to use the Husqvarna technology that shifts between the two chambers and keeps the filter continuously clean. The fact that the pre-filter is conical facilitates efficiency and ensure that dust falls downwards and does not enter the filter again. The DE 130 H also uses E-flow, which adjusts the air speed automatically and is equipped with the Longopac system and a V-shaped tray developed to protect the dust bag and make it easily

accessible. It has lift hooks, a pleat cover, robust rear wheels with integrated locking, as well as attachments for hoses and the metal wand floor too. The DE 130 H can also be used with a "blasting" application that requires continuous stable air flow, made possible by the automatic filter cleaning. Along with meeting the latest H-class standards, the DE 130 H is equipped with H13/HEPA filters with EN1822 and MIL-STD 282 certification, and is IP55-rated for safe washing with water. Machine dimensions are 46 in (1,175mm) high, 36.6 in (855mm) long, and 21.3 in (542mm) wide.

Three new air cleaners in different sizes

Husqvarna is also introducing three new air cleaners. The A 25, launched in September, will be followed by the A 45, which will be launched in early 2025. The numbers in the names correspond to how many square meters the product can clean, based on an





Christian Nyberg shows how the new cone shaped pre-filter is divided into two chambers, making it possible to alternately keep the filter clean during work. This means that the user does not have to interrupt work to clean the filter manually.

air exchange rate of 10 times per hour and a ceiling height of 8.2 ft (2.5m). Later in 2025, a third model will be launched to cover an even larger area.

Both the A 25 and A 45 are stackable with a locking mechanism and are equipped with color-coded LED lights that show filter status. They come with pre-filters and H13/HEPA filters but can be converted to three stage filtration with a carbon filter. They can also be used to create negative pressure, for example to avoid dust spreading. They are IP54 and IPX4 rated and are equipped with a storage pocket. The A 45 is also equipped with wheels, a handle that can be raised or lowered, different fan speeds, and a test function for the H13/HEPA filter.

Not just products, but a system

Husqvarna Construction's goal with its new focus is to provide something significantly more than just introducing products. The company wants to influence the construction industry at large and increase awareness of security among users. "Many customers ask, for example, how many horsepower the products have, but rarely how to use the products safely," says Christian Nyberg, Husqvarna's manager of research and development for the dust and slurry segment. "Unfortunately, we see that some use them in the wrong way. We want to tell them how to use them safely and change the mindset of contractors."

Sr. vice president Stijn Verherstraeten, agrees. "In some applications, I can sometimes see that dust extractors are not used at all," he says. "We want to act as advisors and support our customers. Our

main task as a leader in the industry is to develop the market."

Another important aspect is to create dust and slurry management solutions that work well with the rest of the range. "Using our equipment generates dust," says Verherstraeten. "We see dust management as something that is central to far more application areas than floor preparation."

During product development, reduced operator bound maintenance, reduced size and weight, and versatility with fewer products and more areas of use were highlighted as a priority. Most important, however, is safety.

"We want to make a statement about the risks that dust on construction sites can bring and that there are ways to address them," says Nyberg.

Husqvarna's history with dust and slurry equipment goes back a long way and received a major boost with the acquisitions of the companies Pullman-Ermator, Blastrac and HTC. Although the core of these companies has been retained, the goal has always been to continue to evolve.

"We have taken a big step forward since our acquisitions," says Verherstraeten. "Dust and slurry management is a strategic area for us. We have worked dedicatedly on it and want to develop systems together with other products."

The largest market for Husqvarna and its solutions is the US, followed by the Nordic countries and Australia. "Dust and slurry management is strongest in mature markets," says Verherstraeten. "We are experiencing increasing sales in Latin America, and we hope that this will also spread to other regions with great growth potential."

Rigorous testing for increased safety

One of the pillars of Husqvarna's research and development is testing the products to ensure that the machines work as planned. Testing and research takes

place in clinically clean test rooms at the company's Jonsered, Sweden, headquarters. Here engineers start the machines and simulate a normal work setup. Their task is now to analyse the particle concentration of the room, especially those of 0.1-10micrometres. The focus is particularly on particles that cannot be seen, to ensure that the equipment is working as it should and meets requirements to provide a safe working environment.

"What we want to investigate is how well the products extract silica dust in the air," says Nyberg. "Our filters as standard are significantly better than what the regulations regarding silica dust require."

During the test, various parameters linked to performance such as vacuum and air flow are measured through different types of pipes using sensors, with resistance simulated through dampers that gradually close. Determining which vacuum and flow are most effective ensures the machines achieve optimal performance with minimal energy consumption.

A special dust laboratory at Husqvarna is divided into two rooms: one without dust and one with dust and negative pressure. Here filters are tested and compared, with their ability to capture and release dust assessed along with the performance of temperature and leakage tests.

Regardless of where Husqvarna's equipment is sold, there is a strong connection to the research and development that takes place in the small mill town in Sweden.

"What we do here spreads to other parts of the world," says Nygard. "We have a global footprint."

With a solid focus on creating efficient machines that are also safe, Husqvarna now hopes that its investment in dust management will be well received by the industry.

"Safe' and 'productive' are our watchwords," says Verherstraeten. "I am proud of our new range."

www.husqvarnaconstruction.com



Hakan Kalay (left) and Elias Moberg are responsible for all testing of Husqvarna dust and slurry equipment.

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Volvo Expands and Upgrades Fleet of Demolition Machines

Volvo Construction Equipment demonstrated its expanded and upgraded line of demolition machines at a Customer and Press day in November, 2024, attracting more than 200 attendees from around the globe.

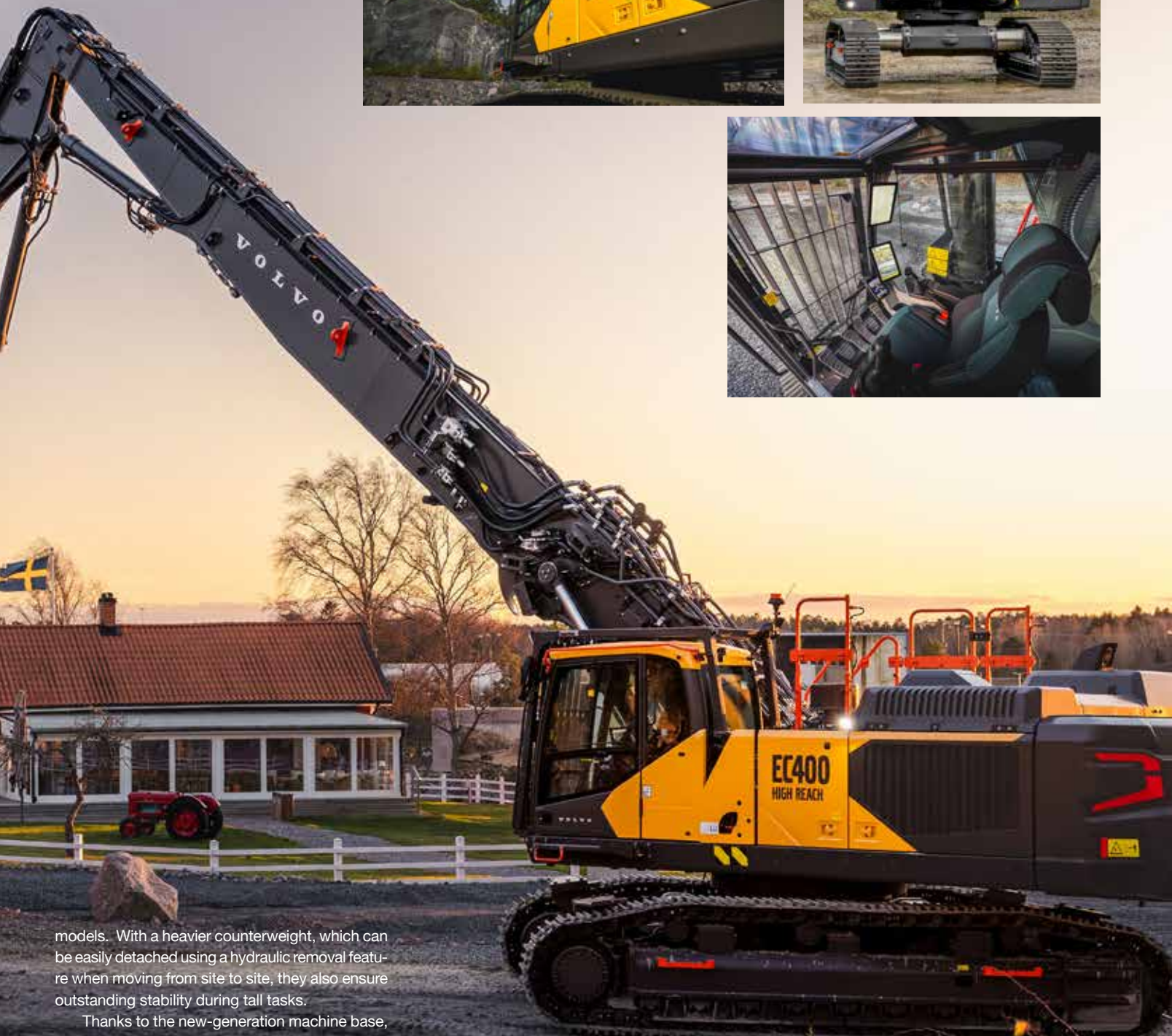
On November 5, Volvo Construction invited the European industry press and global key customers from all over the world to its Volvo in Demolition event at the company's demo facility in Eskilstuna, Sweden. Held to coincide with the World Demolition Summit in nearby Stockholm, the event also featured suppliers of demolition and recycling equipment used with Volvo's machines or at the workplace itself. They included Demarec, Dynaset, Genesis, Holms, Hammerglass, Husqvarna Construction, Mantovanibenne (MBI), MB Crusher, Oilquick, Open S, Rotar, Rototilt, and Steelwrist. Volvo showed two new crawler excavators with straight demolition booms—the 30t EC300 and EC400,

the latter being a completely new 40t machine that replacing the EC380E straight boom, while the 30-ton EC300 straight boom is the enhanced model following the previous generation EC300E straight boom.

They have both been designed to deliver the highest levels of productivity in demolition applications, all the while retaining the quality and comfort of their standard counterparts. And now thanks to an updated design that brings the customer into the future, as well as a host of additional safety and performance improvements, this duo are the perfect partners for outstanding reach and stability on demolition jobs.

Volvo CE Product Manager for Demolition Equipment, Martijn Donkersloot said the new machines embody the very best in demolition strength. Starting with a solid foundation of a new modern design that provides operators with best-in-class comfort and visibility, we have also packed in a number of outstanding features to ensure the toughest of demolition jobs can be carried out with greater ease, safety and performance," Donkersloot added. The updated machines offer a height advantage with an increase in reach of approximately 30% over standard digging-based

des Its



models. With a heavier counterweight, which can be easily detached using a hydraulic removal feature when moving from site to site, they also ensure outstanding stability during tall tasks.

Thanks to the new-generation machine base, they also enjoy a 14% improvement in fuel efficiency and a 10% increase in engine power for the EC400 straight boom over the machine it replaces. The new state-of-the-art cab environment is more spacious and packed with new features, ensuring optimum comfort and visibility. Meanwhile improved controls, an electric joystick and travel

pedal allow precise controllability for the operator. The significantly updated cab is as safe as it is comfortable, with enhanced protection against falling debris with its robust roll over protection system and frame-mounted Falling Object Guards that can also be swung out to help clean the front window. And with .5-i (12mm) thick single-piece

high-impact resistant glass, the windows not only provide a clear view but the best possible protection. Despite their impressive strength across demolition tasks, the machines are versatile enough to be used across a number of other tasks, such as digging, site management, and truck loading, even loading high-sided trucks thanks to the extended



reach of their longer booms. Maintenance is made easy with hydraulic oil and return filter changes extended to more than 1,000 hours.

New features also come as standard including a bigger auxiliary return line for faster attachment movements and, in an industry first, the case drain line feeds returning oil back into the tank and not to a case drain circuit. Also included in the upgrade are impressive technological advantages such as the Auto Power Boost, boom-and-arm bounce reduction and the ability to adjust boom-down speed, and boom-swing and boom-travel priority.

A reversible cooling fan helps to protect vital machine components from damage through overheating in dusty demolition environments. In addition, the unique factory-fit dust suppression system removes the need for a separate truck for pumping water, with its optimized positioning of water spraying nozzles helping to capture dust at the earliest opportunity.

Elevating demolition strength with improved high reach excavators

Volvo also has paired the EC400 and upgraded EC500 with high reach features to bring customers into the future and raise the bar on strength, productivity and operator comfort across demolition applications. The new EC400 high reach and EC500 high reach excavators replace the previous generation EC380EHR and EC480EHR models. Donkersloot said the new models, "have been designed to efficiently respond to customer needs, which we found out after talking to many customers

and operators all over the world, and because we make our own machines from start to finish, every detail has been carefully considered and improved to ensure the best possible performance."

Benefitting from the new generation update, these machines enjoy a 15% fuel efficiency improvement due to engine pump optimization, better ground level access and longer service intervals, more precise controls and a quieter working environment. And thanks to the Smart View with optional Obstacle Detection, the working environment is safer for operators and other on-site workers too.

On top of the modern advantages provided by the new generation design, these enhanced models boast several innovative engineering updates specific to high reach excavators. These include a prolonged working range brought about by an extension boom concept, which offers greater variation in which the equipment is put to work, and by the machines' structure and hydraulic system, which have been optimized to carry heavy attachments.

The hydraulic lines have also been optimized for demolition, through the increase in size of the X1 return line, which reduces the back pressure of the attachment, and a dedicated drain line for the attachment to improve oil leak rates from the rotating motor-attachment.

The tailor-made Demolition Assist tool provides visual and audible alerts on working range and stability information for demolition configurations, while an HD integrated front view camera display ensures maximized productivity and operator comfort. With Demolition Assist, the machine can accommodate

new functionalities to be introduced in the future.

In addition, the purpose-built cab offers optimum visibility, perfect for high reach demolition work, while the scratch-resistant, one-piece, P5A classified, front window and the reinforced roof window are both easily cleaned with an optimized wiper system for each.

The machine is also ergonomically improved due to increased functionality in the control levers, like for example the optional Comfort Drive Control, tilting function for the cab and all kinds of smart switches.

Volvo high reach excavators are built to ensure maximum safety in all demolition applications. Their robust structure, great stability, even with heavy tool weight, and outstanding hydraulics ensure a strong performance in even the toughest of demolition projects. The electro-hydraulic system uses intelligent technology to offer accurate controllability, high productivity, and excellent fuel economy, while a hands-on tilt function and ergonomically placed controls make it even easier to get a productive day's work done.

Versatility is also assured due to the machines' compatibility with the wide range of Volvo and external supplier attachments. A clever attachment management system stores the settings for up to 20 different hydraulic attachments. Furthermore, it is also easy to change from an ultra-high reach boom to a standard digging configuration, so the excavator can remain busy even outside of high-reach tasks. The new Volvo crawler and high reach excavators will be available for order in spring 2025.

www.volvoce.com

Remote Controlled Demolition Robots Grapple for Attention



Our annual feature on remote controlled demolition robots is a rather limited, no surprise as many big manufacturers are likely holding off on making big announcements until Bauma in April 2025. Still, there are some things to talk about.

Several manufacturers, but only two dominate

One thing that the industry can be sure of is that, even if the news is not forthcoming right now, the products already out there are doing their job exceptionally well. While only Brokk and Husqvarna offer products with global sales and distribution, there are a number of

other players who possess strong local presence in certain markets. Amongst these manufacturers is TopTec Spezialmaschinen from Germany. TopTec has been active in the field of demolition robots for almost as long as Brokk, which was founded in the early 1970s. Some other familiar small manufacturers include Demec; Thordab, which produced the DMX robot; and Finmac from Finland.

Recent years have seen other brands emerge. German manufacturer Kiesel formed the company K-TEG and launched the KMD-RD22 in 2017. About same time, Alpine Cutter of the U.S. launched the Alpine Robot RDC. Spanish company Euro Implementos launched its RDC 15.10 in 2018, while ES



Robotics in the UK released a number of models the Akula brand the following year. Also worth mentioning is Hong Kong-based HD Engineering's HD range of demolition robots, with the company once being the local distributor of Brokk robots. In addition, there are also a number of demolition robot manufacturers in mainland China, and for a while there was at least one Norwegian manufacturer as well. In last year's feature, we mentioned the Russian robot brand Azurus and also the Polish brand Elgo Plus, which should probably be considered more like a mini excavator with a hydraulic hammer

Hybrid robots from ARE

Another Polish manufacturer of remote controlled demolition robots might raise some eyebrows. Advanced Robotic Engineering (ARE) has a three-model line that begins with the 1.1t ARE 1.0, which has a horizontal boom reach of more than 12 ft (3.7m) and is powered by a 20-hp (15kW) motor. The pump capacity is 14.2 gpm (54 lpm) with a maximum pressure of 2,610 psi (180 bar). There is no technical data on the company's website regarding the two larger models—ARE 2.0 and ARE 3.0—other than the ARE 2.0 has horizontal reach of 14.4 ft (4.4m) and the ARE 3.0, designed for slightly heavier demolition tasks, has a horizontal reach of nearly 20 ft (6m).

What sets ARE's products apart from other demolition robot brands is that they are the first to utilize a hybrid drive system enables the machines to run on battery power for up to 20 minutes without having to connect to an external power source. The system is an asset when transporting the machine, or when working in very tight spaces. Battery operation in various types of demolition activities is certainly something to expect more of in the future, especially as the storage technology further develops. At the Indian convention and tradeshow Demtech, that was held in New Delhi in December 2024, ARE announced that they are setting up assembly in India for the Indian market.

www.arerobot.com

Unearthing a New Approach to Mine Conveyor Maintenance



As the world's leading copper producer, Chile relies heavily on conveyor systems in its vast open cast mines, which are essential for transporting materials between extraction and processing plants. One of the most notable sites in Chile is the El Abra mine, home to the longest and most robust conveyor belt system in the world, stretching more than 12 miles (20km). Maintaining these massive conveyors in peak condition is crucial to avoiding costly complications, including material build-up and the risk of fires caused by friction with the rollers. These issues can threaten safety, and force partial or complete production shutdowns, resulting in staggering costs.

Traditionally, cleaning under these conveyors has been a labor-intensive and hazardous task, requiring work with shovels and wheelbarrows or combustion-powered carriers. This inefficient and expensive approach can only be carried out during three to four scheduled downtimes a year, or in response to unexpected malfunctions.

A better idea

An innovative solution for cleaning conveyor belts combines Brokk's Vacuum Excavation System with the Brokk 110 dem-

olition robot. The radio controlled Brokk system allows precise cleaning under moving conveyors, ensuring operator safety and protecting infrastructure. In addition to enhanced safety, the Brokk system is said to have improved operational efficiency, significantly reducing the risk of costly stoppages by 80%.

The system's design is also said to provide enhanced efficiency, maintaining the suction duct's diameter to optimize vacuum truck performance. Cost reductions further extend beyond operational uptime. The system requires just two operators, instead of the eight workers previously needed for manual cleaning.

Further reducing maintenance costs is the fact that the electric motors require less frequent and simpler maintenance compared to combustion engines. This, combined with the fact that Brokk machines have more than triple the lifespan of their combustion-powered counterparts, significantly lowers long term expenses. According to Domingo Gonzalez, Mining Division manager for Chilean equipment distributor Socomaq, the Brokk system also supports decarbonization efforts by reducing silica exposure and eliminating musculoskeletal strain for operators—key objectives for mining companies. As a result, working conditions have improved dramatically.

"The response has been very positive, operators realize that they can learn to handle the Brokk well, making work easier, faster, and safer," Gonzales explains. "Rather than being perceived as a threat to their jobs, the system allows them to be more competitive when it comes to renewing their company's contract with the mining company."

A zero emissions future for mining

Sustainability is another crucial benefit. The system is electrically powered, which not only eliminates downtime for battery recharging or filter cleaning, but also completely removes emissions from the equation. This is particularly important in underground mining, where air quality is a critical concern, and helps mining companies meet their carbon footprint reduction targets. "Because we've achieved results in these cleaning performances never seen before, we're rewriting the methodology for belt cleaning," Gonzales says.

Brokk believes that its Vacuum Excavation System is revolutionizing mining operations in Chile and beyond by delivering unparalleled safety, efficiency, and sustainability, setting new industry standards.



Remote Control Robot Demolishes Kiln Accretion in Just Three Days

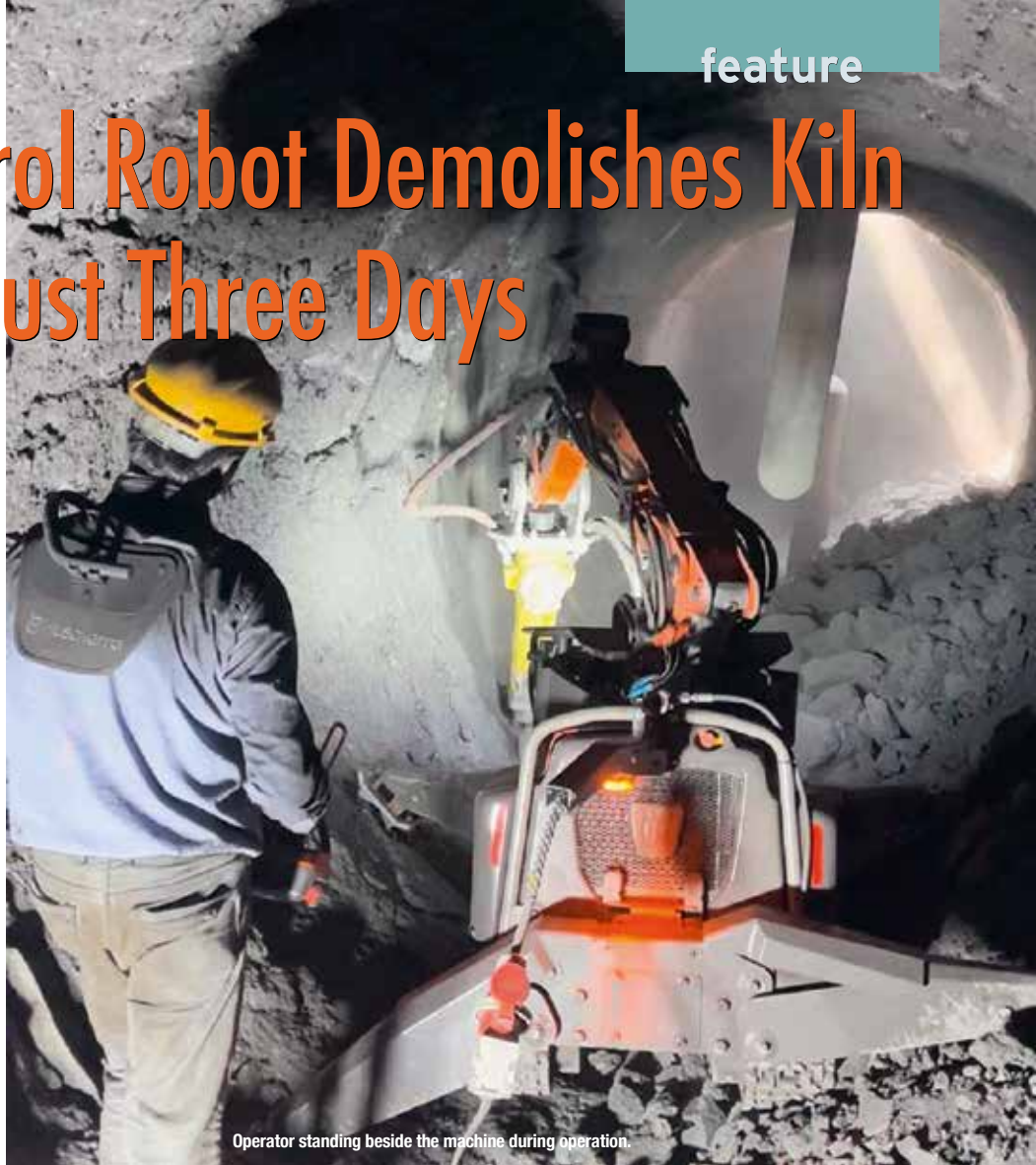
Sunil Sponge is a private company belonging to the Sunil Group of Industries in east-central India. Sunil Steel and Sunil Sponge have modern state-of-the-art jobbing rolling mills equipped with appropriate and reliable plant and machinery. These conform to stringent process and quality control norms, starting with raw material inspection to finished steel products. The company also produces semi-finished products of iron or non-alloy steel.

Some time ago, one of the steel plant's kilns had to be renovated and the lining taken down. This type of demolition job has to be done every 100 to 110 days to keep the kiln fit and running properly. After investigating what method should be chosen, the decision was made to use a new Husqvarna DXR 145 demolition robot to do the job. The kiln measured a maximum of 118 in (3,000mm) with the opening of just over 51 in (1,300mm). The DXR 145 proved to be perfectly designed for confined spaces, having the dimension of 33.4 in (771mm) in width, 47.8 in (1,215mm) in height and 76 in (1,932mm) in length. The weight of the machine is 985kg and has a total reach of more than 12 ft (3.7m).

Other attractive features of the demolition its electro-hydraulic power and a flexible three-part boom system that ensured easy movement in the kiln, with this being paramount for the operation as well as the robot's high power to weight ratio. Another important feature was that the machine is very



Machine in operation.



Operator standing beside the machine during operation.



Safe entry of the machine in the kiln.

safe to operate. The operator can be positioned on either side, or behind the machine during operation, thereby mitigating the risk of being hit by falling debris. The robot also provides precise operation as the operator can easily see the actual area of cutting the lining. Adding steel tracks and heat-resistant hoses



Machine entering the tight kiln.



The sponge kiln from the outside.

ensured the robot could work in a hot environment. The job started with that the sponge kiln being shut down to cool down for 48 hours before the machine could be let in. The thickness of the lining accretion was 27.5-35.4 in (700-900mm), with lengths of up to nearly 100 ft (30m). Demolition work required a total of 33 hours. The day after the robot was removed, the kiln was relit and put back into production.

A Sunil Sponge plant spokesperson stated that staff were overwhelmed by the performance of the Husqvarna demolition robot. It provided a safe method, as well as very effective and both time and cost saving one.

Remote Demolition of a Brazilian Cement Plant Chimney

Brazilian demolition and concrete cutting contractor Furucon in São Caetano do Sul recently performed a controlled demolition of a chimney at a Lafarge cement plant in Brazil. The controlled demolition of the nearly 200-ft (60m) structure, flanked by two chimneys that were not to be affected, was carried out using a Husqvarna demolition DXR robot with remotely operated controls. Demolition was necessary due to severe deterioration in the chimney walls, with many cracks and fissures. The DXR robot, weighing approximately 2t, was placed on a metal platform specially manufactured for the application, then lifted by crane to the top of the structure to begin the carefully planned demolition process. As this was Brazil's first use of this type of demolition, Furucon made several visits to the site to ensure that it was the best methodology to be used. The result of good planning was continuous, accident-free demolition completed five days—less than half the original schedule of nearly two weeks.

www.furucon.com.br



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