

Featured MINExpo Companies

On the next several pages are a selection of companies that have let *North American Mining* know of their plans for MINExpo 2021. Listed in alphabetical order, each will have something exciting to share on the show floor. We hope you'll take time to stop and visit as many as possible.

Aramine – Booth 1779-N

(Spare parts and components) and Booth 28031-S (Machines)

Aramine wants to highlight its battery powered development on its machine at Booth 28031 with Lithium Iron Phosphate chemical technology and will display its exclusive QRS, Quick Replacement System, which ensure a full-time running machine, now mounted on Aramine battery-powered miniLoader L140B and soon on a new 3.5-tonne mining loader, the L350B.

Under the name “Smart Parts,” Aramine also offers a wide range of genuine underground mining spare parts and components (OES) that will be displayed at Aramine Booth 1779. The French company has more than 1.5 million manufacturers’ references computerized. Aramine also offers all kinds of on-site services, such as audit, training, start-up and maintenance.

BEUMER Group – Booth 8471-C

Mined raw materials travel along extensive transport routes. Conveying and loading systems enable a safe,

efficient and environmentally friendly handling of these materials. At MINExpo 2021, BEUMER Group will present efficient system solutions with overland conveyors, pipe conveyors and ship loaders.

Overland conveyors and pipe conveyors by BEUMER Group enable mine operators to create individual routes for the transport of raw material with steep angles of inclination and narrow curve radii that are adapted to the respective task and topography.

The product range of the system supplier includes stackers and bridge reclaimers for storage yards, whether with or without blending bed systems. They stack bulk material and guarantee a maximum blending effect.

For efficient loading, BEUMER Group also offers ship loaders with fixed booms and extendable telescopic belt conveyors. To supplement these, users can also procure bulk loading heads which they can use to load bulk materials into silo vehicles quickly and without dust.



Caterpillar – Booth 6229-C

Themed “Together, we’re mining better,” Caterpillar’s MINExpo experience celebrates the company’s partnership with mines and the way it assists customers to mine more efficiently. The Cat Central Hall exhibit 6229 will be grouped under three specific core areas: ESG and sustainability; technology and automation; and equipment lifecycle management solutions.

Caterpillar will preview the new Cat D11 XE, the world’s largest, most powerful and efficient electric drive dozer with high drive. For underground mining, the new Cat R1700 XE LHD features 100% battery electric propulsion that generates significantly less heat and noise. Additionally, the new Cat 777G Water Truck will be equipped with MineStar Command for hauling, the market’s first autonomous water delivery system.

Dafo Vehicle Fire Protection – Booth 25820-S

Dafo Vehicle offers the most reliable and effective fire suppression systems for off-road vehicles and heavy-duty mobile equipment designed to survive demanding conditions and challenging working environments to secure the safety of operations. The systems are designed to mitigate losses due to fire and reduce the impact on investment, reducing downtime, securing business continuity and increasing the productivity of the end-users.

Dafo Vehicle’s robust system not only protects individual hazards within the vehicle, but it is also a system that easily can be maintained and refilled on-site which reduces downtime and operational costs with very low total cost of ownership.

EcoVAP – Booth 27721-S

EcoVAP will debut its ultra-efficient dewatering technology at MINExpo 2021 with a booth constructed entirely out of its EcoVAP Evaporative Matrix panels. The innovative panel design combines biomimicry and aerospace engineering to reduce wastewater volume by 85-90% with a 50% typical reduction in operating costs.

Applications include TSF water elimination, ZLD/drystack enablement and post-closure draw down. On every measurement, EcoVAP outperforms other site water management solutions without limiting mine production to manage wastewater without the costs, risks, and environmental impacts of conventional solutions.

Visit Booth 27721 in the South Hall to see how the company’s technology can solve your site’s water management issues.

Flexco – Booth 4209-C

At this year’s show, Flexco will be using a live, interactive dashboard to showcase Flexco Elevate Belt Conveyor



Intelligence, an innovative, real-time belt cleaner monitoring system that harnesses the power of predictive data so mining operations can remotely gather critical insights to optimize belt conveyor productivity and operational efficiencies.

Flexco XP Staple Fastening System will also be on display, combining an enhanced applicator tool with the longest-wearing staple fastener and hinge pin on the market to produce a superior belt splice in the toughest mining environments, along with Super-Screw Flexible Rubber Fastening System, a faster and easier alternative to vulcanization.

Graco – Booth 2473-N

Visit Graco in Booth 2473 to learn how Graco’s lubrication equipment solutions extend the lifecycle of off-road mobile and other machinery while expediting maintenance tasks, so mining operations can stay on schedule.

Graco experts will present live demonstrations of Graco’s newest innovations in lubrication equipment. We are excited to present numerous product releases including the rugged Compact Dyna-Star Pump designed for heavy-duty earth-moving machines, GLC X Controller and Auto

Lube App, Hose Reels, Meters, Fluid Monitoring service equipment and much more. Come stop by to learn more about all that Graco has to offer.

Haver & Boecker Niagara – Booth 7301-C

Haver & Boecker Niagara launches a new addition to its Pulse portfolio with the introduction of Pulse Condition Monitoring (Pulse CM). The technology is designed to monitor the health of vibrating screens using modern algorithms and artificial intelligence. It provides accurate measurements and forecasts complemented by information that is easy to understand.

Pulse CM is a wireless diagnostics tool that helps mineral processing operations be proactive, rather than reactive, when it comes to maintenance efforts. This leads to increased efficiency, decreased downtime and improved reliability.

Haver & Boecker Niagara will highlight Pulse CM at Booth 7301 in the Central Hall at MINExpo 2021.

Pulse CM is the next level in the Pulse portfolio, accompanying the company's Pulse Vibration Analysis. Similar to Pulse Vibration Analysis, the Pulse CM system analyzes data to help users get the most of their equipment. Unlike Pulse Vibration Analysis, Pulse CM uses permanently installed sensors to monitor equipment 24/7.

Horton, Inc. – Booth 24501-S

As a leading provider of cooling fans and fan drives, Horton's newest technology is helping mines around the globe increase uptime, save on fuel, lower emissions, and reduce noise. The RCV2000 and RCV1000 variable-speed fan drives boast innovations throughout their design to improve fan speed reaction time and control of modulation to yield fuel savings, productivity and the reliability required by large mining equipment.

For tough environments, the HTEC fan (Horton Thermoset Engineered Composite) moves more air at lower speeds than metal fans, meaning less noise and more available horsepower for work such as digging, lifting, and ascending steep grades.

Jannatec – Booth 3215-N

Jannatec Technologies will be exhibiting and demonstrating its safety and communications systems including collision avoidance, proximity detection, SmartHelmet, the Sena industrial communications line, and more.

Kognitiv Spark – Canadian Pavilion

Visitors can expect a hands-on experience with Kognitiv Spark's innovative flagship remote guidance delivery solution RemoteSpark, a mixed reality (MR) application built on Microsoft's HoloLens. It is an innovative way to connect



remote technicians with subject matter experts when help is needed to solve a complex problem.

Companies using RemoteSpark have been able to solve 60-75% of remote issues without having to pay to send an expert to the job site for support. This translates into organizations saving thousands of dollars per use in lost production, productivity, and travel costs.

Product specialists will be running demos daily, on-site at the Canadian Pavilion in Canada's Atlantic Edge booth (1343-N).

Komatsu – Booth 7027-C

At MINExpo 2021, Komatsu will demonstrate how the company partners with customers to deliver the equipment, technologies and solutions needed to help them reach their goals while building a sustainable future.

Visitors will have the opportunity to learn about Komatsu's existing offerings alongside innovative future concepts and plans. Highlights include: a new must-see blasthole drill; plans for a configurable truck series that adapts to future power sources; the D475A-8A, a versatile mining dozer that can go from ripping solid rock to cleaning up around the dragline; and the popular PC5500-11 excavator. Komatsu can be found in Booth 7027 in the Central Hall.

KSB Mining – Booth 1369-N

As one of the world's leading manufacturers of centrifugal pumps and valves, the KSB Group is proud to introduce KSB Mining. KSB Mining focuses resources on your industry, concentrating the company's leading expertise on centrifugal pumps in slurry and non-slurry applications in mining and dredging operations.

Its exhibit will feature a range of products used in slurry transport, including KSB Mining's latest technology, the RAMSL (Remotely Adjusted Mechanical Suction Liner). These innovative solutions help customers increase process efficiencies so that they can achieve their mining sustainability targets.

Liebherr – Booth 7627-C

The Liebherr Group will be participating for the sixth time at MINExpo 2021. Booth 7627 will exhibit new state-of-the-art equipment, technology and services from Liebherr's product segments.

Liebherr Mining will display the R 9150 Generation 7 (G7) 130-tonne/143-ton excavator, the next generation of excavator cab from the recently announced R 9600 G8; the PR 776 70-tonne/ 77-ton mining dozer with LiReCon teleoperation system; the newly introduced T 274 305-tonne/336-ton haul truck along with a display from Liebherr Components; and the LRT 1090-2.1



90-tonne/100-ton rough terrain crane from Liebherr Mobile Cranes.

New developments and exciting announcements will be presented from Liebherr Mining's new technology portfolio, as well as the pathway forward into low and zero emission mining.

Attendees can interact with new technologies through a VR booth and discover Liebherr's technology at the daily masterclasses held with Liebherr experts.

Maptek - Booth 7185-C

UPDATE:

Maptek looks forward to showcasing its latest technologies during MINExpo in a virtual Live Tech Lounge from Sept. 13-15 at 1:00 p.m. (PDT) daily. You're invited to join these three daily online talks and demonstrations featuring relevant topics in mining such as 3D LiDAR for Slope Stability & Underground Convergence Monitoring: Collection, Analysis, & Interpretation, Maptek Cloud Solutions, and Vulcan Grade Control. Register for these free online sessions during MINExpo to discover new ways to keep your site safe, efficient, and productive. <https://bit.ly/2Y7IMZv>

The company will also feature its robust tools for grade control. Learn how these tools can help you better

McLanahan – Booth 1921-N

McLanahan Corporation is using MINExpo 2021 to focus on its complete range of solutions for the mining industry and grow awareness of the complete range of end-to-end solutions that they provide to multiple industries. The booth will feature displays of their crushing, screening, scrubbing, tailings management, sampling and feeding lines as well as specially engineered crushing segments and metallurgies.

McLanahan will be introducing the recently launched Mineral Sizer at MINExpo. The latest heavy-duty design from McLanahan can accept product sized lumps up to 1,200 mm/48 in. and features an adjustable breaker bar to further reduce product size and handle sticky clays from ore feeds. Since the last MINExpo, McLanahan has introduced a line of Elevated Tank Thickeners that have been sold and installed into the gold and nickel sectors.

Highlighted in the booth will be McLanahan's Flat-Bottom Crusher Segments, a tailored roll segment for the salt industry. The specialized castings and machined techniques used for these roll segments create a tighter body-to-body setting, producing smaller product sizes and a more consistent product.



Modular Mining – Booth 7671-C

At MINExpo 2021, Modular Mining, a Komatsu technology brand, will showcase its real-time mine optimization solutions designed to address key mine operations, planning, machine guidance, equipment health and safety needs.

Modular Mining's booth will feature advancements in open technology and mine optimization, along with an expanded portfolio of offerings, including DISPATCH FMS; ProVision Machine Guidance System; ProVision Guided Spotting System; MineCare Maintenance Management System; Modular Mining APIs; Argus PLM; and the Pegasys dragline monitoring system.

The experience will highlight how open technology solutions can help customers operate more efficiently, cost-effectively and reliably. Modular Mining can be found in Booth 7671 in the Central Hall.

MULTI SEAL – Booth 1774-N

2021 marks the 40th anniversary of MULTI SEAL tire sealants. The company is extremely proud of its history, the partnerships it has built with customers, and the deep value it has brought them. MULTI SEAL has been installed in both new and retreaded tires on six of the world's seven continents and has been successfully protecting valuable assets over millions and millions of miles.

See a live demonstration at Booth 1774 and personally experience why MULTI SEAL is considered the industry leader in tire sealants.

Nord-Lock Group – Booth 24720-S

Nord-Lock Group provides solutions to critical bolting challenges. Its products and technologies secure everything from tooling to exposed joints. The company offers specific solutions for mining equipment exposed to extreme loads and constant vibrations.

Nord-Lock's newly released Superbolt Tool, which considerably reduces installation and removal times, will be on display. The added speed of the Superbolt Tool, in tandem with easy-to-use Superbolt tensioners, benefit those using a high number of MJTs and/or those with frequent maintenance schedules. Stop by Booth 24720 in the South Hall for a live demo.

Phoenix Lighting – Booth 1828-N

Phoenix will be unveiling groundbreaking technology that will redefine equipment lighting performance to solve operational and safety challenges. The new LED fixture and integrated technology allows for lighting controls and color tuning.

Equipment operators now have the flexibility to adjust light intensity and color from the cab, based on personal

preferences or inclement weather and environment, to optimize performance and efficiency. This revolutionary technology also allows for power monitoring and will send preventative maintenance notifications to the driver, reducing unscheduled downtime.

Phoenix will demonstrate other advancements in mine lighting that reduce glare and discomfort for mobile equipment operators at its booth in the North Hall.

Rema Tip Top – Booth 4123-C

Rema Tip Top will be giving 10- to 15-minute educational talks on the hour at its booth in the Central Hall, with topics to be covered including: conveyor belt construction; belt repair options; how to select pulley lagging; how to select chute lining; why is wear protection important; and Rubber Compounds 101.

A new, exciting wear compound will also be introduced at the show, with demonstrations available upon request.

Rockwell Automation – Booth 3061-N

Visit Rockwell Automation at Booth 3061 in the North Hall to see how the Rockwell Automation Connected Mine solutions address the mining industry's biggest concerns: market volatility, sustainable operations, grade decline, Increased costs and changing workforce.

Our featured solutions will include mine-to-market integration powered by FactoryTalk InnovationSuite; Motor Control Centers and PowerFlex LV/MV drives; Model Predictive Control solution for mineral processing optimization; PlantPAx next-generation DCS for mining process control and automation; Edge Maintenance Solutions by Fiix, A Rockwell Automation Company; mobile workforce enabled by augmented reality, ball mill application demo; and a full view of our Connected Mine solution.

RPMGlobal – Booth 7081-C

RPMGlobal will showcase some of its latest software offerings and new sustainability capabilities alongside its commitment to support mining organizations on their journey toward greener operations.

With RPMGlobal's strong investment in integrated cloud capabilities increasing significantly in recent years, MIN-Expo will be the first opportunity for many attendees to learn more about its Software as a Service (SaaS) offerings, which includes the Haulage as a Service (HaaS) simulation product.

In addition, the increasing sophistication and functionality of RPMGlobal's industry leading scheduling tools, XECUTE and XPAC Solutions, will be front and center at MINExpo. This includes the next evolution of mine scheduling software with the introduction of the unique Hybrid

Scheduling and advanced pit-to-port capabilities.

RPMGlobal's exhibit in the Central Hall will demonstrate the company's commitment to advancing the industry toward a more sustainable future, achieved through a laser sharp focus on innovative technologies and the provision of domain expertise.

Alongside the mining industry's commitment to sustainability, RPMGlobal's Consulting and Advisory team will be able to update attendees on the company's strengthened Environmental, Social and Governance (ESG) services following the acquisition of Nitro Solutions.

Safe Fleet Fire – Booth 24703-S

Safe Fleet Fire, EMS & Industrial provides a vast product line to improve work site safety. Products include water cannons, vehicle and work area lighting, camera systems and more. All help meet your mining, washdown and dust mitigation demands.

The company's fully automated HydroBlast washdown system is designed for frequent, repeated spray pattern applications, and can be programmed to your specific washdown needs. Stop by Booth 24703 in the South Hall to see the latest.

Schwing Bioset – Booth 1223-N

As a recognized leader in the mining industry, Schwing Bioset, Inc., provides mining solutions that stand up to the harshest of site conditions. At MINExpo 2021, the company will be introducing its continuous flow piston pump, screw press for dewatering, and microfiltration membranes, all three of which will be displayed in Booth 1223 in the North Hall.

Additionally, Schwing Bioset offers fluidized bed dryers, conveyance systems, sliding frame storage silos, spare parts, service support, training, and more! Schwing Bioset delivers the features you want and the performance you can count on. The company is more than just an equipment manufacturer; it's a complete solutions provider.

Semperit – Booth 231-N

Quality, experience and innovation makes Semperit a global leader in industrial rubber products. Semperit offers a wide range of high-performance conveyor belts, hose and rubber sheeting for unique conveyor designs and a variety of mining applications.

The company offers the best engineered rubber products to address abrasion, cut and gouge, low friction, flame



resistant and anti-static properties to name a few. Its latest innovation includes Ultra Cut and Gouge for high impact applications under crushers or large drop heights.

Stop by Booth 231 in the North Hall to learn more about Schwing Bioset's products and innovative solutions.

Strata Worldwide – Booth 4413-C

Strata Worldwide is back to bring next-level technology to mining markets. It has been a couple years, and the company said it can't wait to see attendees at MINExpo 2021. At this year's event, Strata is proud to showcase a selection of new technologies that complement its existing high-tech portfolio. Some of the newest products that will be on center stage are Aura IQ Conveyor Health Monitoring, Private LTE cellular networks, and Strata-Hub – Machine Digitization.

Along with these new product introductions, Strata will have a full-size emergency refuge chamber on display at its booth, fully equipped with DigitalBRIDGE Power-over-Ethernet for communication, monitoring, remote control and video.

Trencor – Booth 5703-C

MINExpo attendees will be able to see the rugged design of two Trencor drums that are filled with solid steel plates, together weighing over 60,000 lb. The heavy weight of the drums increases pick pressure, helping operators be more productive in more conditions.

Attendees will be able to witness the large diameter of these drums, which allows the teeth pattern to be easily configured to tackle varying ground conditions. The drums also feature heavy mining blocks with replaceable sleeves, heavy-duty bearings and hardened sprockets for increased wear resistance.

Visit the company at Booth 5703 in the Central Hall to see the Trencor drums and learn more about how their design helps operators achieve a straight wall as well as how the drums operate at a slow speed and high torque for efficient heavy rock breaking.

Vibra-Tech – Booth 6030-C

You can't manage what you don't measure. Whether you need to monitor vibrations from blasting, record data on plant noise levels, measure dust at off-site locations or collect flow rates, GeoSonics/Vibra-Tech has the technology to convert your site data into valuable engineering information. Its Re:mote Monitoring Technology is a fully automated system that continuously collects and posts data to a customized client website. Remote monitoring capabilities bring the field to you whether you need vibration, noise, dust, geotechnical or environmental monitoring.

Stop by the GeoSonics/Vibra-Tech booth in the Central Hall to learn more.

Voith Turbo – Booth 2069-N

Increasing production output, reducing consumables, improving energy and resource efficiency within your mining operation is Voith Turbo's overarching goal.

This year the company will be showcasing the latest in digital mining products, namely BeltGenius and Dtect. BeltGenius, a digital twin, helps you monitor and improve your conveyor belt performance. Dtect, a real-time torque limiting coupling monitoring system, assists in increasing the overall driveline performance, while reducing your maintenance cost.

Besides these digital offerings, Voith Turbo's extremely robust and safe start-up components characterized by minimal maintenance and low wear as well as its torque limiting couplings will be highlighted at this year's stand.

WESCO | Anixter – Booth 1077-N

WESCO | Anixter is a leader in electrical, communications, utility distribution and supply chain services. From electrical, MRO, lighting and wire and cable products to project management, engineering, and shutdown services, we are your single-source partner.

As sustainability continues to be an industry focus, through innovative technology and energy solutions, WESCO | Anixter partner with customers to help reduce their operating costs and carbon footprint. Whether it's a simple product or complex solution, its goal is keeping your operations running, environment friendly, and profitable. Visit the company at Booth 1077 in the North Hall to learn more.

ZF – Booth 26251-S

For the first time ever, ZF and MICO showcase their powerful synergies at MINExpo 2021. ZF's product range complements MICO's hydraulic braking portfolio, bringing the latest technology to the world's toughest machines.

Precision, efficiency, safety and reliability are some of the common denominators of ZF's large transmissions and MICO's hydraulic braking systems for the most demanding off-highway applications. Their expanded product line serves a wide range of mining applications, from roller mills and tunneling machines to haul trucks and underground mining loaders.

Learn more about ZF's product range during MINExpo 2021, at Booth 26251 in the South Hall.