



Massive Machinery and Innovation at MINExpo International 2024

All aspects of mining industry converge in Las Vegas

Matthew Jaster, Senior Editor

MINExpo boasts 1,900+ companies involved in the global mining industry. Opening sessions allow the industry to come together to debate global challenges, market fluctuations and the future of mining. Resources include exploration, mine site development, open pit mining, underground mining, smelting and refining, processing and preparation and reclamation. Here's a sample of the companies exhibiting and the products/technologies they will be featuring in Las Vegas from September 24–26, 2024.

Ferry-Captain (Booth #5517)

Ferry-Captain is a key contributor to the AGMA Mill Gearing Committee responsible for the development of design rating standards for open gearing used in rotating (cylindrical shell and trunnion supported) equipment applications. With direct experience in the casting of alloyed steel and ductile iron gear materials, Ferry-Captain developed through extensive metallurgical research what quickly became the most recognizable open gearing material grade: FerryNod



FerryNod offers an open gearing material grade for large-scale, industrial applications such as ring gears for horizontal mills and kilns.

FerryNod is a high-performance alloy engineered for durability, strength, and reliability in heavy machinery applications across the mining, cement, and power generation industries. With hardness levels spanning from 180 to 340 BHN, FerryNod meets and exceeds ANSI/AGMA6014-B15 standards for allowable contact and bending stresses.

Thanks to the presence of graphite nodules, FerryNod exhibits inherent lubricity, reducing friction and wear. Unlike steel, where cracks propagate freely, FerryNod allows for serviceable repairs with minimal fatigue strength loss.

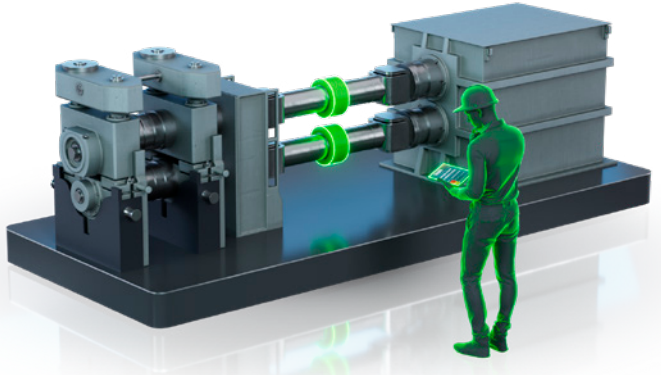
Widely recognized by OEMs and end users for being cost advantageous and for its shorter manufacturing cycle time, FerryNod is the ideal choice for large-scale, demanding industrial applications such as ring gears for horizontal mills and kilns, where reliability and performance are critical.

ferrycaptain.fr

Regal Rexnord (Booth #10437)

The toughest applications deserve the toughest solutions. Regal Rexnord brands have over 125 years of experience customizing the power transmission solutions for surface and underground mining applications and equipment such as conveyors, electric rope shovels, draglines, grinding mills, slurry pumps, and other mining applications. Proven and reliable components and powertrain solutions keep extraction, transportation, and processing operations efficient and profitable. Carefully designed to withstand vibra-

tion and overload, Regal Rexnord's power transmission components include a wide variety of torque limiters, backstops, couplings, caliper and thruster brakes, clutches, geared motors, gear drives, mounted and unmounted bearings, roller and steel chain, belts, sheaves, and more.



Perceptiv offers next generation solutions for condition monitoring and predictive maintenance.

Regal Rexnord's engineering and supporting services aim to reduce downtime and lower total cost of ownership. The powertrain solutions team will meet customers on-site to custom build end-to-end systems optimized to meet an application's unique needs. Regal Rexnord's Perceptiv portfolio of IIoT sensors and systems track oil, grease, and hydraulics on heavy-duty brakes and backstops, while vibration monitoring catches potential clogs on shaker screens. For commissioning and beyond, Regal Rexnord industrial services teams keep critical equipment functioning properly. Coupling recertifications, gear reducer repairs and rebuilds, and on-site walkthrough gap analyses are just a few of the services offered.

regalrexnord.com

Bosch Rexroth Corp. (Booth #10347)

Bosch Rexroth will demonstrate a diverse offering of mobile hydraulic solutions at MINExpo this year, including advanced valves, controllers, sensing joysticks, and piston pumps that are critical components in electrifying the future of large mobile machinery like excavators, drills, and cranes. Many of these solutions are part of Rexroth's electronic open circuit system (eOC) and can be integrated with our advanced telematics monitoring system, BODAS.

Additionally, Hägglunds, a brand of Rexroth, will showcase its newest direct drive motor, Quantum Power. The most compact motor within the Hägglunds portfolio, Quantum Power boasts an efficiency up to 170 rpm and 350 kNm of torque. The applications for this



Hägglunds Quantum motors are suitable for both mining and mobile applications.

solution are extensive, including brakes, valves, speed sensors, and shaft adapters. Come by the booth for an in-person demonstration of this product, along with the full line of Hägglunds and Bosch Rexroth solutions.

boschrexroth-us.com

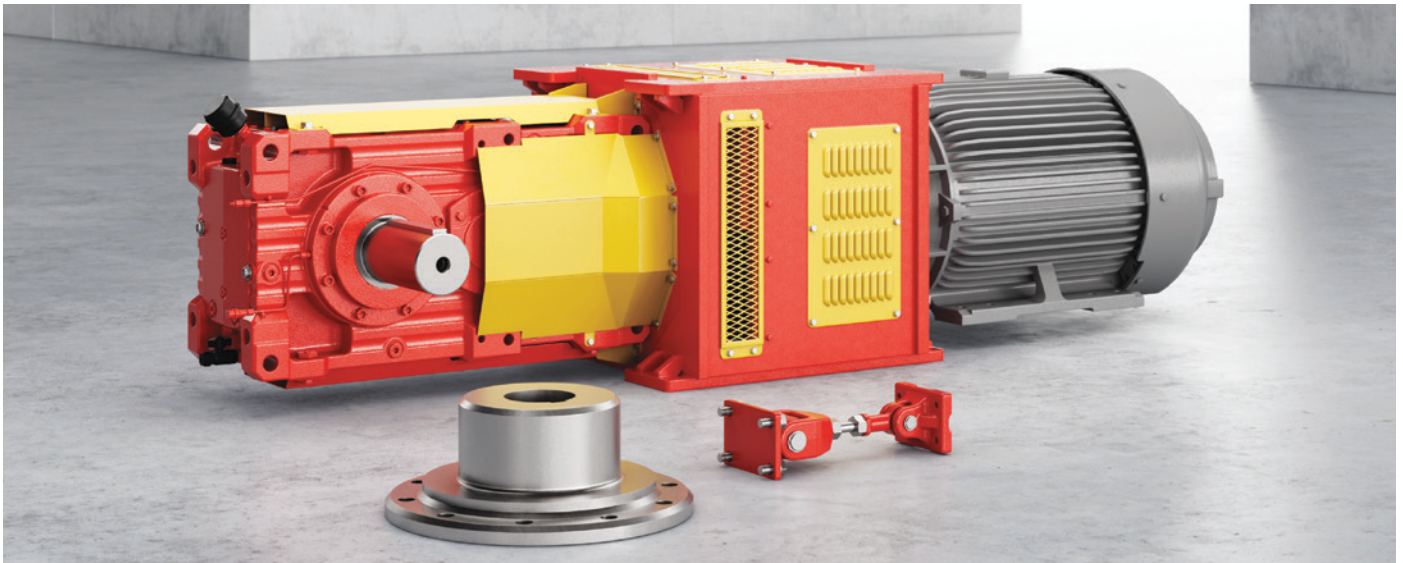
SEW-Eurodrive (Booth #8695)

SEW-Eurodrive announces the launch of XMiner Industrial Gear Units, specifically designed for the rigorous demands of mining and aggregates applications including conveyor systems, crushers, and apron feeders. Built on the trusted X.e series platform, the XMiner units are now available with local engineering, stocking, and assembly in Wellford, South Carolina, ensuring quick and reliable support for North American customers. The XMiner Industrial Gear Units are tailored to meet the high-performance requirements of mining operations.

The alignment-free plug-and-play design simplifies installation, while the Taconite heavy-duty sealing system for abrasive environments like mining and cement, features grease purge-able labyrinth seals and laminar rings to prevent debris from entering the gear unit.

"We designed our XMiner Industrial Gear Units to reduce the hassle of machine design, installation, operation, and maintenance of heavy-duty conveyors. The XMiner's design ensures a quick and flexible setup, significantly reducing downtime. This product meets the mining industry's rigorous demands while enhancing operational efficiency," said Austin Burdette, product and business development manager – industrial gearing, SEW-Eurodrive.

The XMiner features gear ratios ranging from 6.3–450 in 2, 3, and 4-stage configurations with output torque to 1,637,389 lb-in in multiple finely-stepped frame sizes.



XMiner gear units can reduce machine design and installation costs in mining operations.

“The XMiner Industrial Gear Units provide top-tier technology with unmatched availability and service. SEW-Eurodrive’s extensive local support guarantees rapid access to parts and expert assistance, ensuring reliable heavy industry operations,” said Mark Jones, director of sales—industrial gearing, SEW-Eurodrive.

seweurodrive.com
PTE



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