

Electric Motors for Coal Mines - TECO Electric Motors Australia and New Zealand

Canonical: <https://electricmotors.teco.com.au/industry/coal-mines/>

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Coal Mines

Mining, Coal Handling, and Conveyor Harmony: Precision in Every Movement

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Mines, acknowledged as some of the world's harshest working environments, pose challenges of unforgiving conditions, stringent processes, high ambient temperatures and the need for exceptionally safe, rugged, reliable, and energy-efficient equipment. In this demanding realm, TECO seamlessly integrates its mining capabilities and solutions.

Our complete product line, including Low Voltage and High Voltage Motors and Variable Speed Drives as well as Vibrating motors and Asset monitoring devices addresses challenges from belt slip to heavy load start-ups, providing adaptive speed control and operational excellence.

TECO's expertise extends beyond conveyor systems into crushers, sizers, fans, blowers, pumps, and coal handling applications. Our Electric Motors, coupled with Variable Speed Drives, redefine efficiency in heavy-duty crushing, sorting and screening as well as precise material transport and combustion optimization. With over 40 years of experience across Australia and New Zealand, TECO ensures efficient reliability in both above ground and underground mines.

Conveyor Systems: Precision in Motion Crushers and Sizers: Precision in Crushing Fans and Blowers Application: Precision in Combustion Pump Applications: Precision in Pumping Coal Handling Systems Applications: Precision in Handling

In the Coal Industry, TECO Electric Motors and Variable Speed Drives redefine conveyor system efficiency, addressing challenges from belt slip to heavy load start-ups. Our motors are designed for continuous operation over long distances, providing the essential support for reliable material transport. Paired with Variable Speed Drives, we offer adaptive speed control and cascading control for multiple drives units, optimising material transport efficiency. TECO's design philosophy ensures not only operational excellence but also ease of maintenance, a critical factor in the Coal Industry.

TECO's solutions extend to heavy-duty crushing and sizing processes as well as the world's leading vibrating motors. The robust design ensures longevity and reliability, even in the face of shock loads. Paired with Variable Speed Drives, TECO Electric Motors provide precise control over crushing and sorting processes, handling variable feed rates with ease. The diverse size and power requirements find a tailored fit in TECO's range of motors, vibrators and drives, contributing to overall operational efficiency and reliability.

Discover the precision of TECO's Low to Medium Voltage Motors in fans and blowers' applications, engineered for creating negative pressure, supplying combustion air, and driving primary air. Paired with Variable Speed Drives, they dynamically adapt to changing conditions, optimizing energy

efficiency, and streamlining maintenance for uninterrupted performance.

TECO's impact extends to pump applications, where our Low to Medium Voltage Motors drive water pumps for washing, handle abrasive slurry in slurry pumps, extract condensate in condensate extraction pumps, and pump fuel oil and greases with ease. Paired with Variable Speed Drives, our motors provide precise control, adapting seamlessly to variable flow and pressure requirements. The robust design withstands abrasive environments and minimizes the risks of cavitation, contributing to efficient and reliable pumping systems. TECO also offer a complete solution in Explosive proof motors and with our local Modification capability, can quickly assemble the correctly rated motor for your specific application.

TECO's solutions for coal handling systems encompass a range of applications, including conveyors in stockyards, stacker-reclaimer systems, ship loaders and unloaders, and coal crushers and screens. Our Electric Motors power heavy-duty coal transportation and accurate positioning in stacker-reclaimer systems. Paired with Variable Speed Drives, they ensure precise control over conveyor speed, accurate positioning, and controlled material handling during loading and unloading operations. TECO's solutions adapt to varying material characteristics, withstand harsh environments, and optimize processes for energy efficiency. The design facilitates easy maintenance, ensuring the reliability of your coal handling systems.

Coal Mines Solutions for you [TECO MAXeV4 IE4 Super Premium Efficiency Electric Motor](#) [PAY CALCULATOR](#) [WATCH VIDEO](#) Calculate Your Savings and Payback Period Ready to Secure Your Savings? The data speaks for itself. To get a precise quote on the [TECO VIEW MORE](#) [TECO MV510](#) Medium Voltage Optimised for Efficiency and Reliability Designed for a range of applications including Oil & Gas, and Power Generation, [TECO MV510](#) stands out with its multilevel H-Bridge topology, ensuring ultra-low harmonic [VIEW MORE](#) [TECO MAXe3 MINING](#) Premium Efficiency Premium Efficiency Electric Motors specifically designed to meet the rigorous demands of the Mining industry. With True IP66 protection rating and Class H insulation system, [TECO MAXe3 Mining Electric Motor](#) [VIEW MORE](#) [TECO MAXe3 Premium Severe Duty Efficiency and Reliability Redefined: Introducing](#) [TECO MAXe3 Premium Severe Duty High-Performance Motors with IP66 protection](#). [TECO MAXe3 Premium Severe Duty Electric Motor](#) has true IP66 protection, which is enhanced by [VIEW MORE](#) [Read Brochure](#) [Book a Consultation](#) Have questions or need assistance? Reach out to us through the contact form, and we'll be happy to assist you.

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