

Equipment Overview

Ground Support |

Ore Flow |

Utility Vehicles |



Mining experience, multi-discipline engineering capability, unit-of-one manufacturing, and worldwide customer service and support. This is how we build for life underground.

OUR COMMITMENT TO MINING SAFETY AND PRODUCTIVITY RUNS DEEP.

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 **MacLean**
Performance. Reliability. Innovation.

Ground Support:

Rock solid innovations.



Scissor Bolter

The MacLean Series 900 Bolters provide a complete ground support system for underground hard rock mines. The benefits of safety, productivity, onboard material storage, versatility and quality of installation combine to provide the ideal tool for the mine development cycle and rehabilitation operations.



Small Section Bolter

Based upon the highly successful MacLean Series 900 Scissor Bolter, the SSB Small Section Bolter is the ground support solution for smaller mine openings. The benefits of safety, productivity, versatility and quality of installation again combine to provide the ideal tool for the mine development cycle and rehabilitation operations.



Utility Bolter

Designed to supplement our suite of ground support solutions, the UMB Utility Bolter delivers height and reach for a wide range of ground support and mine service installations. Like the MacLean 900 Series and SSB Small Section Bolters, the UMB is purpose built with safety and quality of installation in mind.



Cable Bolter

The MacLean CB3 is a one-stop, mechanized solution for cable bolt insertion and grouting. With the CB3, operators no longer have to endure the strain and fatigue of repetitively pushing cable lengths by hand – the integrated boom basket, cable feed mechanism, and grout pump design delivers productivity, safety and ergonomics for all hard rock cable bolting needs.



Shotcrete Sprayer

The Mine-Mate™ SS2 and SS3 Shotcrete Sprayers are rugged mechanized shotcrete spraying systems, developed specifically for underground ground support applications. The unit is optimized to make use of the latest developments in wet shotcrete materials, additives and spraying processes for reduced airborne particulates while ensuring high quality performance.



Concrete Mixers

The use of sprayed concrete in underground mines requires reliable equipment to ensure the final product is of high quality and is applied in an efficient manner. The Mine-Mate™ TM2 & TM3 Transmixers and AG3 are an integral part of the wet shotcrete process and provide high-capacity, high-speed transport of shotcrete/concrete in a fit-for-purpose package.

Ore Flow:

Blockage warriors.



Water Cannon

The MacLean WC2 & WC3 Water Cannons use high-pressure water to eliminate ore flow blockages and release trapped reserves in draw points brows without endangering mine workers. They also provide auxiliary capability for miscellaneous water applications. Integrated Radio Remote Control with video option allows tramming and spraying operations to be conducted from a safe distance.

Mobile Rockbreaker

Safe and efficient breaking of ore flow blockage is of prime importance for sustained underground production and profitability, particularly in block cave mines. The RB3 Mobile Rockbreaker is the latest addition to the MacLean fleet of ore flow equipment and, with it, companies now have a one-stop solution for all their block cave mine production needs. Combining MacLean-quality ruggedness and performance with industry-leading ergonomics and all-round operator visibility, the RB3 is truly a groundbreaker.



Blockholers – Secondary Breakers

Rugged and reliable, the MacLean BH2 & BH3 Blockholers are designed to eliminate ore flow blockages without endangering mine workers. MacLean Blockholers also have integrated Radio-Remote Control (RRC) to support safer tramming, drilling, and blasting operations.

Utility Vehicles:

Scissor Lift



Designed to provide a safe work platform for installation of services in tunnel headings up to six meters (20 feet) high. The Mine-Mate™ SL2 & SL3 Scissor Lifts are fully equipped as standard for the multi-tasking required in today's underground trackless mining environment. The SL3 is available with an industry-first 3600Kg deck capacity and attachment system.

Versatility innovations.

Mine-Mate™ Series Attachments



Convenient and versatile, the MacLean Mine-Mate™ Series Attachments (Fan Handlers, Pipe Handler, Cable Reel Attachment, and Cable Pusher Attachments) are ready when you are. All Mine-Mate™ Series Attachments are powered by the SL3 hydraulic system with quick disconnects for easy on/off application to the platform. Each attachment is specifically designed to improve safety and productivity.

Cassette Truck



The MacLean Mine-Mate™ CS3 Cassette Truck is designed for full utilization of the carrier by its ability to continuously adjust from one configuration to another. The versatility of this multi-functional system provides for reduced fleet size and lower capital equipment investments.

Mine-Mate™ Series Cassettes



Feel like a change? The MacLean Mine-Mate™ Cassette System features numerous configurations: Boom Trucks, Fuel Lubes, Deck Trucks, Personnel Carriers, ANFO and Emulsion Loaders, Transmixers, Mechanics Truck, Water Tanker, and Fuel Tanker.

Utility Vehicles:

Versatility innovations.



Boom Lift

The LR3 Boom Lift is the latest addition to the MacLean Mine-Mate™ Utility Vehicle Series, engineered and purpose-designed to provide ultra-versatile, full-spectrum reach and heavy load capabilities in larger-heading mines. With an 8m working height, 8,000 lbs. of lifting capacity, and interchangeable baskets and attachments, the LR3 is ideally suited to a wide range of mine services installation as well as construction and maintenance applications.



Boom Truck

Today's fast track mining methods require the timely supply of materials and equipment to widespread underground work places. The Mine-Mate™ Series BT2 & BT3 Boom Trucks provide a reliable, high-capacity, high-speed system to meet this challenge.



ANFO/Emulsion Charger

The MacLean Mine-Mate™ Series AC2 & AC3 models are safe, reliable and cost-effective solutions for quality explosives charging of bulk ANFO and emulsion in underground trackless mines.



Fuel Lube

Today's fast track mining methods require the timely supply of diesel fuel, oils and lubricants. A rugged and dependable means of transferring and dispensing bulk fluids, the MacLean Mine-Mate™ Series FL2 & FL3 Fuel Lube Trucks are integral members of the bulk materials transfer system.



Water Sprayer

Today's fast track mining methods require a dust-free environment. The MacLean Mine-Mate™ Series WS3 Water Sprayer is equipped with three spray bars for high-performance dust control, helping to maintain respiratory health and proper engine function underground.



Personnel Carrier

When time is at a premium and travel distances are long, the rugged Mine-Mate™ Series PC2 & PC3 come equipped with a standard suspension system that delivers your passengers in comfort, providing a rapid transportation system for miners and materials to and from work places in underground trackless mines.



To learn about the **MacLean 360 Promise** Customer Support Program, visit macleanengineering.com

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