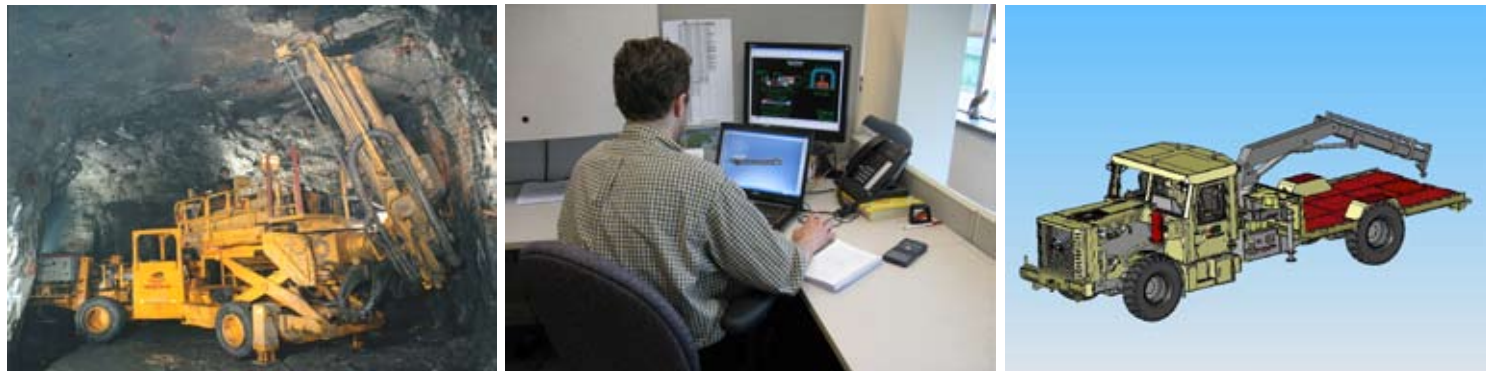


MacLean Engineering has a proven track record in the development of leading-edge engineered technical solutions for the hard rock mining industry.



Our roots were forged in the 'industry-tested' metalliferous and precious metal mines of the Canadian Shield. The success of our proven line up of equipment has lead to our growth in overseas markets through product applications and sales in USA, South America, Europe, South Africa and Australia.

A complete in-house design team ensures our engineering and manufacturing facility is involved in the latest techniques and technology. Our commitment to product development focuses on continuously improving upon, as well as creating innovative new products to meet or exceed mining industry needs.

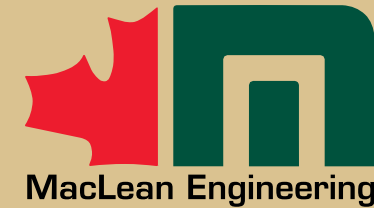


www.macleaneengineering.com

Sales and Product Support

1067 Kelly Lake Road
Sudbury, Ontario Canada P3E 5P5

Main Office: +705.670.8014
Customer Service: 1.866.856.3626
Facsimile: +705.670.8023
Email: sales@macleaneengineering.com



performance • reliability • innovation

The MacLean Advantage



MacLean Engineering designs, develops, and supplies specialty equipment to meet the needs of the mining industry. We provide "best in class" product support that includes commissioning, training and after sales service.

The MacLean Advantage starts here.



Drilling

Series 900 Scissor Bolter

A complete ground support system for underground hard rock mines. The benefits of safety, productivity, versatility and quality of installation combine to provide the ideal tool for the mine development cycle and rehabilitation operations.

BH-3 Blockholer Secondary Breaker

The BH-3 is designed to eliminate ore flow blockages and release trapped reserves in draw points and beyond draw point brows without endangering mine workers. Integrated Radio-Remote Control (RRC) allows tramping, drilling and blasting operations to be conducted from safe distances.

Long Tom

Our Long Tom rigs have been around for over twenty years, and are still in demand due to their simplicity and cost effectiveness. Designed to alleviate the negative aspects of hand held drilling and to improve drilling productivity.

SBR-6 Robust™

Taking the capability for breaking oversize rocks in the ore production cycle one step further. Integrating the patented Ro-Bust™ hydro fracturing system and MacLean's PLC-controlled operating system, the Ro-Bust™ Blockholer provides the tools to safely and effectively break rocks without high explosives.

SB-9 & SB-12 Secondary Breaker

Designed to eliminate ore flow blockages and release trapped reserves above the draw point brow safely and effectively. Built for the tough underground environment. Equipped with radio and video systems. These machines provide the solution to attacking high boulder hang-ups without endangering the mine workers.

Utility



SL-3 Scissor Lift

A complete ground support system for underground hard rock mines. The benefits of safety, productivity, versatility and quality of installation combine to provide the ideal tool for the mine development cycle and rehabilitation operations.



BT-3 Boom Truck

Today's fast track mining methods require the timely supply of materials and equipment to widespread underground work places. The Mine-Mate™ BT-3 provides a reliable, high capacity, high speed system to meet this challenge.



AC-3 Anfo Charger

The Mine-Mate™ AC-3 is a safe, reliable and cost effective solution for quality explosives charging of bulk ANFO in underground trackless mines.



DT-3 Deck Truck

Simplify your material handling. Arrangement of deck sizes and options can be added to satisfy your transportation requirements. Power train can be matched to meet load requirements. Unit can be fitted with an enclosed cab featuring heat and air conditioning.



PC-3 Personnel Carrier

Where time is at a premium and travel distances long, the rugged Mine Mate™ PC-3 provides a comfortable, rapid transportation system for several work crews to and from work places in underground trackless mines. Options include enclosures and suspension for operator and passenger comfort.

Specialty



FH-3 Fan Handler

Designed to transport, pick up and manipulate fans weighing up to 4,000 pounds. Boom model ARVA 0207, c/w 5 ton swivel hook for material handling, pipe handling attachments, and manipulator head engineered to accommodate vent ducts as large as 72" diameter.



EL-3 Emulsion Loader

A cost effective and highly productive solution for delivering high explosive energy to blast holes. The EL-3 is specifically designed for the exacting standards necessary for the transport and pumping of bulk emulsion in the underground work environment. The bulk pumping system can also be configured as a cassette package for easy removal for PM or repairs.



FT-3 Fuel Truck

The FT-3 is a dependable solution for the transportation of high volumes of diesel fuel. It is used to refuel, remote fueling stations. This Mine-Mate™ Fuel Truck can be configured with various capacity of fuel pumping configurations and can be fitted with an enclosed cab featuring heat and air conditioning.



FL-3 Fuel Lube

The FL-3 is a unit used in the underground application for servicing underground equipment. Its simple design makes it easy to configure for fuel, lubricant, consumables and miscellaneous materials, to increase maximum productivity by supplying equipment at the face.



Cassette System

Vehicles utilizing interchangeable Cassette/Carrier combinations can be configured for a Personnel Carrier, Deck/Crane Truck, Water Sprayer, PetroTac Sprayer, Fuel and Lube Delivery or other basic support services.

Additional products:

- TM-3 Transmixer
- SS-3 Shotcrete Sprayer
- PT-3 Petrotac Truck
- WT-3 Water Truck