



MIRS, leader in robotic applications for mining and heavy industry, has applications for a wide range of production processes, with solutions aimed at improving productivity and reducing costs.

MIRS products incorporate state-of-the-art robotics for more efficient and safer operations.



Reduces Production Costs



Increases Process Reliability



Ensures Operational Health and Safety



Improves Final Product Quality

ROBOTIC APPLICATIONS

- Robotic Haul Truck Washing Station
- Robotic Collector of Concentrate Samples from Trucks
- Robotic Collector of Concentrate Samples from Maxibags
- Robotic Cathode Stripping Machine
- Starter Sheet Robotic Stripping Machine
- Robotic base plate buffing
- Robotic Furnace Passage Tapping and Plugging
- Robotic Mill Liner Change (Internal, External and Trommel)
- Scheduled Maintenance Service, Technical Assistance, Training and Supplies

ROBOTIC SYSTEMS

ENGINEERING

SERVICE & PARTS



ROBOTIC TROMMEL PANEL HANDLER

REMOVAL AND REPLACEMENT OF PANELS

Robotic solution designed and developed by MIRS to perform, in a remote-controlled way, trommel blade replacement, an activity that takes place during scheduled shutdowns. It reduces human interaction to a minimum, robotizing a process that requires manpower susceptible to accidents and poor operational practices.

BENEFITS

- Allows replacement of up to 100% of the trowels.
- Avoids pumping box blockage.
- Prevents clogging of cyclones.
- Eliminates short circuits in cyclones and associated problems.

The robotic pallet handler is able to move into the trommel and operate the tools required for the following work:

- 1** Remove the used panels and transfer them to the pallet rack.
- 2** Clean the mounting area and lubricate the rollers to make it easier to fit the new vanes.
- 3** Take the new vanes from the vane rack and mount them in their position on the trommel.

REPLACES 100% OF THE TROWELS WITHOUT ENTERING THE MILL'S CRITICAL MAINTENANCE PATH



✓
LESS
MAINTENANCE
TIME

✓
LESS
MANPOWER
NEEDED

✓
OPTIMIZES
PROCESSES

✓
OPERATIONAL
SAFETY