



**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



# STARTER SHEET STRIPPING MACHINE

In traditional cathode refining, the manual stripping of starter sheets is a heavy and repetitive task, with contaminants that harm human health and performance.

The Robotized Starter Sheet Stripping Machine designed, developed, and implemented by **MIRS**, automates this process incorporating reliable, safe and efficient robotic technology, with high safety standards and millimetric precision, an intrinsic benefit when implementing this solution.

This robotic application adapts to the high demands of existing processes in the mining industry, such as mobile and fixed take-off stations, reaching performances that only this type of technology provides.

## BENEFITS

- Better performance
- Prevents deformation of sheets
- Improves final product quality
- Reduces the risks of accidents and replaces people in strenuous work
- Improves safety standards

## IMPROVES THE QUALITY OF THE SHEETS AND DECREASES THE OPERATIONAL RISK

