

MINING INDUSTRY AND HEAVY INDUSTRY ROBOTIC SOLUTIONS



MIRS, a 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 the quality of the final product

ROBOTIC APPLICATIONS IN OPERATION

- 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

Engineering

Robotic System

After Sales



BASE PLATE POLISHING

It is a self-contained unit, designed and developed by **MIRS** to polish base plates that have already been used in their take-off stage and that need to be reused in the next cathode harvesting process. It is a robotic solution that is easy to install, with a compact design, that does not require civil works and that requires a minimum of operator intervention in the process. Its polishing program, build from the best experiences, will polish any type of base plate, and minimize its impact, leaving it ready and available for the next harvest. Its compact design allows it to be installed near the warehouse or in the maintenance yard, reducing plate handling costs.

It also considers a sub-operation of "zone polishing", which allows the operator to designate specific sectors where the machine can polish.

BENEFITS

- High precision polishing.
- Lengthens base plate life.
- Improves adherence capacity of the cathode
- Decreases risks of accidents and replaces human labor from extenuating tasks.
- Eradicates bad operational practices.
- Increases base plate availability and control.

HIGH PRECISION POLISHING OF ANY BASE PLATE WITH MINIMUM IMPACT



**INCREASES
BASE PLATE
LIFE**



**IMPROVE
HARVEST
LEVELS**



**OPERATIONAL
SAFETY**



**HIGH
ACCURACY**