

# LADLE GUNNING MANIPULATOR

Safety, efficiency, cost effectivity



## GENERAL DESCRIPTION:

Equipment specially designed for Hot Gunning in Steel Ladles. It can be mounted horizontally (over a rail car system or a steady platform) or vertically (on a Tilting Arm or Steady Platform), depending on the customer needs. Working together with an Automatic Gunning Machine the gunning manipulator allows the operator to perform the gunning in both directions (front and side), also turning the lance 360° endless range. All its operation is made by a wireless remote control and its directional gunning nozzle (under consult), allows changing the gunning direction (from front to side and vice versa) remotely.

## TECHNICAL DESCRIPTION:

- Radio remote controlling, that controls the Gunning manipulator and the Gunning Machine (when possible);
- Gunning Lance movements and speed fully controlled by remote control, with 360° rotation and translation movement. The length of the lance is designed under consult for adapting to the customer needs;
- Water flow control by geared pump.

## ADVANTAGES:

- The refractory mix can be gunned in all extension to be repaired;
- Reliable water flow control, that grants a better refractory properties;
- Shorter gunning times, increasing the availability for steel production;
- Easy to use;
- Accurate application of gunning mix;
- Reduced physical strain on operational personnel

