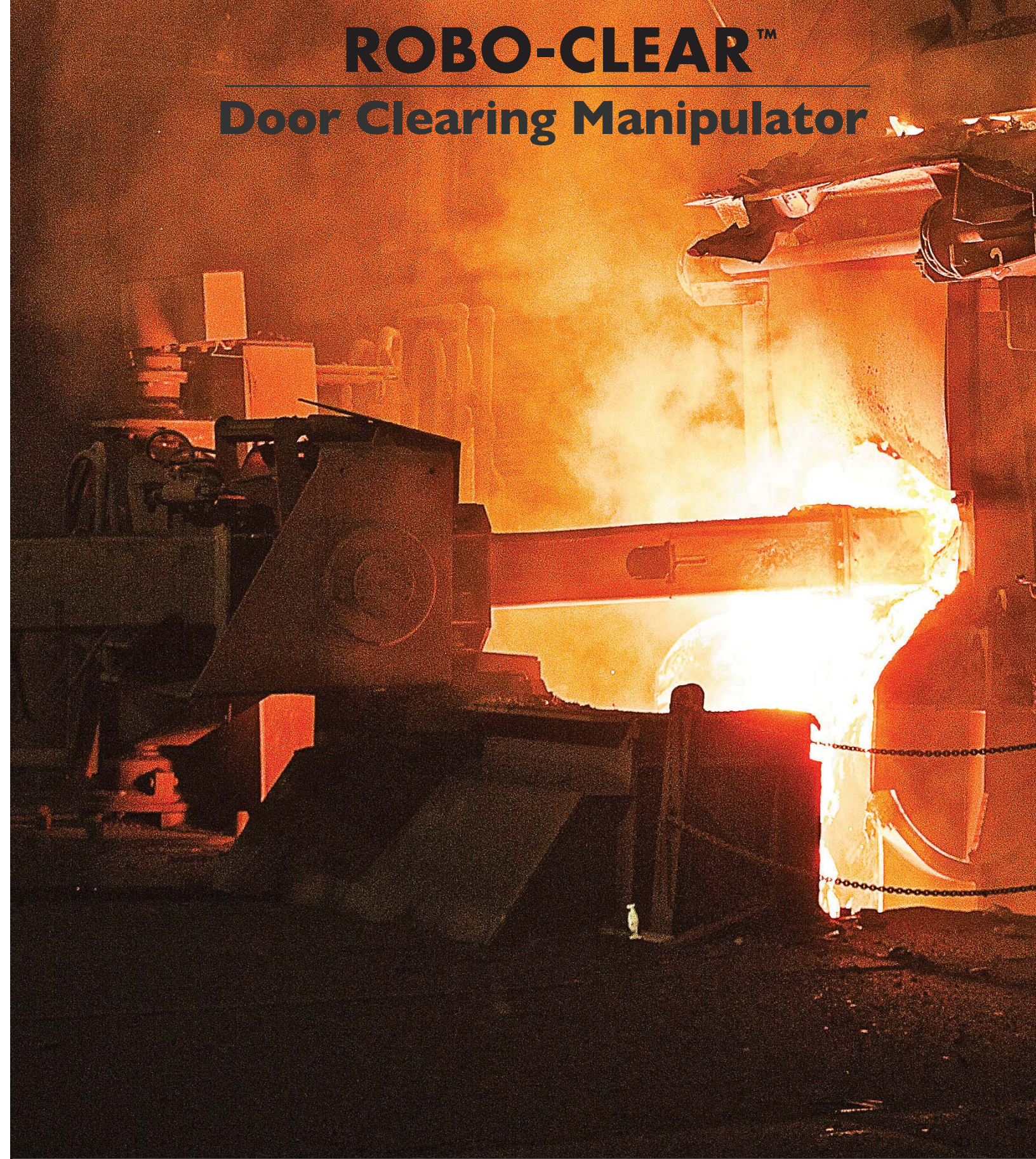


# **ROBO-CLEAR™**

## **Door Clearing Manipulator**



SAFE AND PRODUCTIVE SOLUTIONS  
FOR STEELMAKERS WORLDWIDE





# ROBO-CLEAR™

## Door Clearing Manipulator (DCM)

The EXO Door Clearing Manipulator (DCM) is a remote controlled & hydraulically powered system designed to clear the EAF slag door in a safe and efficient manner.



### ROBO-CLEAR™ FEATURES

- The DCM mounts on the EAF fixed platform, left or right of the slag door.
- The System is designed for compactness to preserve valuable floor space.
- The System is controlled remotely from the EAF pulpit.
- A Radio Control option is available for operation from the melting plant floor.
- The DCM locks into the furnace deck to secure during operation.
- The System operates during power on, injection, and during slag-off.
- A standalone Hydraulic Power System is included.
- Pushing force up to 50 tons is available to insure slag/scrap are easily cleared.
- The horizontal and vertical movements insures clearing of the entire slag door.
- The Pushing Head is designed for quick changeout.
- Complete System includes Manipulator, HPU, PLC, and Control Console.
- The DCM is of extremely robust construction for low maintenance.
- The DCM is scaleable for installation on all EAF's.

### ROBO-CLEAR™ BENEFITS

- SAFETY! The System replaces Operator driven equipment to clear the door.
- Pushes unmelted or partially melted scrap into the EAF for improved yield.
- Efficiently and rapidly clears the EAF door for slagging off before tapping.
- Helps Operators maintain constant EAF breast elevation.
- Compact design preserves valuable floor space when parked.
- No costly shell modifications are required.
- No cooling water is required.
- Potential to include added features such as temperature sampling.

### UTILITIES

- HPU 440 VAC, 60 Hz, 3 Phase. (Adjustable to local standards)
- Hydraulic Power Unit rated to 3,000 psi. (200 Bar)
- Allen Bradley or Siemens preferred. (Adjustable to customer preferences)

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