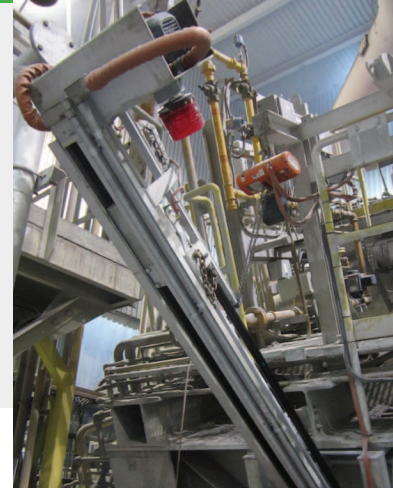


DYNAPROBE

— Intelligent Thermocouple Mechanism

Automatic and intelligent measuring system designed for metal temperature probing and advanced furnace control



BENEFITS

- Increased precision of temperature control using gradient measurement:
 - Improved melt rate
 - Improved alloy and fire loss rate
 - Reduced metal overheating
- Energy savings thanks to better burner control
- Reduced breakage due to automatic retraction when opening furnace doors
- Quick and ergonomic replacement of thermocouple sheaths
- Adaptable to main thermocouple sheaths available on the market
- Reduced energy losses thanks to retractable lid designed to close insertion port
- High repeatability in terms of performance
- Increased reliability of robust electrical system

TECHNICAL FEATURES

- Fully automatic operation
- Measurement of metal temperature at different depths in metal bath
- Reading of exact position of thermocouple in metal bath
- Electric retraction system with automatic positioning
- Allows intelligent management of burner control based on multiposition readings
- Horizontal positioning for easy maintenance and replacement of thermocouples
- Built-in communication capability with furnace control PLC
- Local control box for operation in manual mode
- Functions:
 - Entry and exit of thermocouple in furnace
 - Tilt of carriage
 - Manual/automatic mode selector
 - Emergency stop
- Designed for use with customer's standard thermocouple: cast iron or refractory sheath
- Retractable lid system designed to close insertion port