

Steel Melting Plant

EBT TAPHOLE OPENING DEVICE PROGRAMMED FOR THE REPETITION OF SAFETY MOVEMENTS

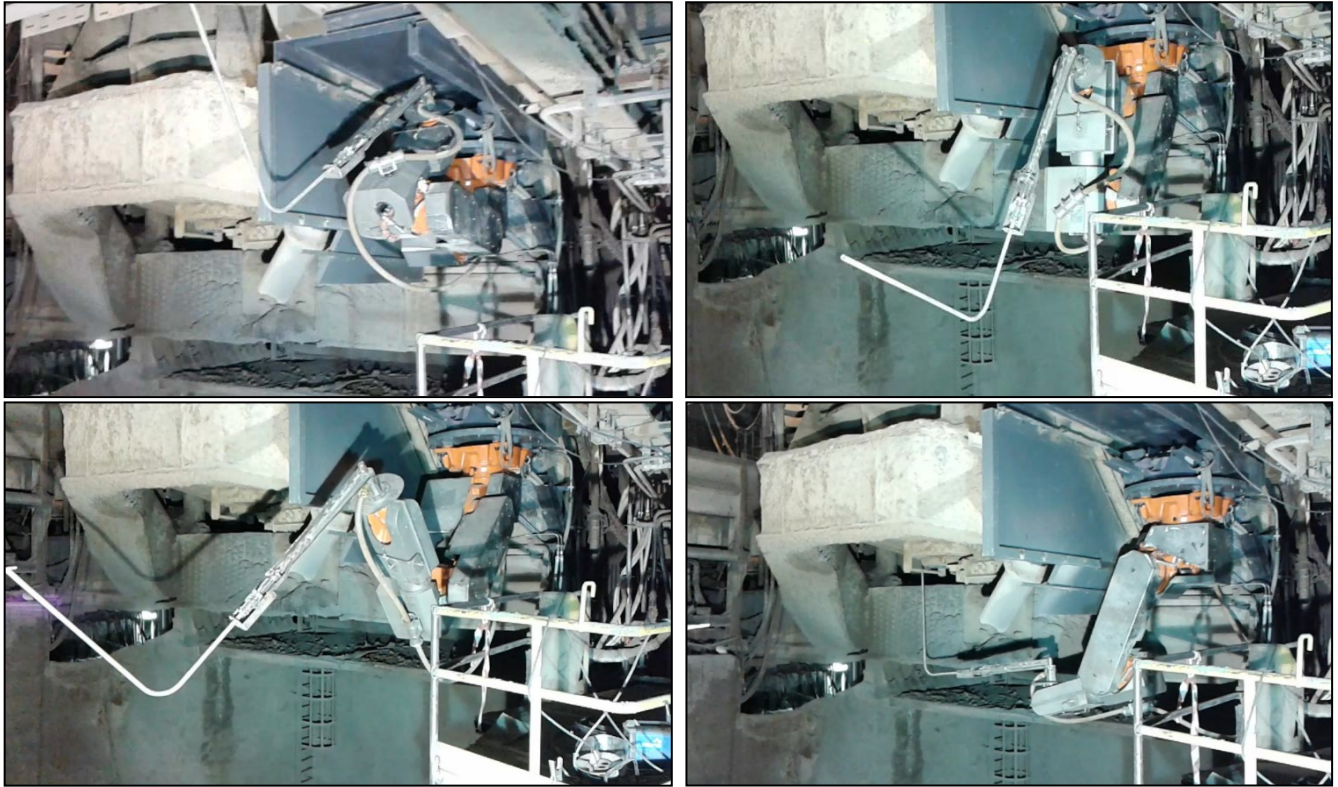
The system is constituted by a heavy industrial six-axis robot, insulated with a stainless steel cover for temperature control and installed in a protected position avoiding exposition to radiant heat.

Fitted under the tilting platform, allows similar movement to the performed by the operator. Safe and automatic solution for the EBT opening in case of opening failure during tapping operations, which will be unclogged by means of an oxygen lance connected to the robot.

The unclogging operations will be handled totally automatically, and controlled by the operator from a keypad on the desk panel. Possibility to take manual control in extraordinary cases.

FEATURES

- Anthropomorphic robot with 6 axes, covered by stainless steel protection and air-cooled
- Control & Automation- Programmed for repetition of movements
- TEBLAR flexible case bearing up to 1.200°C
- Internal cooling – Air cooling during the operation
- Fast connection for the replacing of consumable lance
- Resting position protected from radiations and sparks



Stand by, lance shifting and EBT hole opening positions at Gerda Basauri

TECHNICAL DATA

- Wide range of movements
- **IRB 54** protection (Norm IEC 60529)
- Charge capacity: 150 kg
- Operational Temperature: 50°
- Weight: 1200 kg (protection included)
- Power consumption: max. 2,8 kWatt
- Voltage: 200 – 600 V, 50/60 Hz

MAIN BENEFITS

- Avoid the direct intervention of the worker – Risk reduction
- Standardize the operation – Failure reduction
- Limited use of consumables – Small investments and room occupied by equipment
- Fast operation time – Ready-to-use and reliable device
- Power reduction



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