

# PolySLAG

Slag detection system for remote tapping



## ABOUT THE SYSTEM:

% SLAG PRECISE MONITORING

PRODUCTION PROCESS STORAGE

2 CAMERAS: A THERMAL (320x240 resolution 2000° lenses) AND A COLOR VIEW ONE (1600x1200 resolution)

FIBER OPTIC COMMUNICATION

## USEFUL TO KNOW:

SAFETY | EFFICIENCY | QUALITY

RELIABLE FEEDBACK ON YOUR PRODUCTION

## HARDWARE

Thermal camera and camera with a protection cover, PLC for field interfacing, HMI for supervision.  
Positioning: For a minimum of 5 m up to 10 m

## SOFTWARE

Displays thermal camera and measured values.  
Displays elaborated virtual flow (green steel, red slag).  
Displays color camera.  
Customizable thresholds warning levels and slag levels alarm.  
Interfacing with PLC Process  
Real-time indication of the percentage of slag and steel during the tapping.  
Information scheme.  
Image recording of the tapping and storage cycle.  
Object temperature range: 500 to +2000°C  
Accuracy:  $\pm 2^\circ\text{C}$  ( $\pm 3,6^\circ$ )

The software is based on two main parts, PLC and HMI applications:  
PLC communicates with furnace automation.

## MAIN FUNCTIONS OF HMI

Available:  
Trend of slag.  
Time of top.  
Virtual flow.  
Thermal image.  
Log and alarm.  
Historical datas.

