PolyREAD

BILLET IDENTIFICATION SYSTEM BEFORE THE ENTRY INTO RE-HEATING FURNACE
PolyREAD

The system is able to identify incoming billets in the reheating furnace, by reading the Labels printed by Polytec robot PolyTAG BLE.

The system is designed with specific regard to the following aspects:

- Accuracy of detected data
- Immunity to environmental disturbances
- Operator safety
- Using particularly robust systems suitable for working in steelworks

TECHNOLOGICAL HIGHLIGHTS:

The reading system can read billets in motion at a speed of 1.2 m / s

Labels applied by robots can be detected by reading alphanumeric code, barcode, datamatrix, QRcode.

Saving local and remote database information for interfacing with MES systems
This system is installed in parallel with the process of charging the billets towards the reheating furnace.

**HARDWARE**
- PC Camera with air cooled cover
- LED light for external light immunity
- Billet presence detection laser sensors

**SOFTWARE**
- Photo capture system and field interfacing management
- Operational interface for managed data monitoring
- Viewing captured images and related label data
- Interface for diagnostic system
- View MES system database data database

**MAIN FUNCTIONS OF HMI**
- Viewing captured images and related label data
- Interface for diagnostic system
- View MES system database data database