

TUBE & PIPE MARKING TECHNOLOGY



A REFERENCE BRAND IN THE STEEL SECTOR

SMARTTEC's expertise is focused on the marking, coding and traceability of steel products. We are present in most of the global steel groups, being a reference in the Oil & Gas sector in the USA.

Our innovation skills allow us to be the pioneer of direct marking of continuous casting products, such as billets or blooms, marking QR Codes and OCR Texts for the easiness of the automatic data capture.

We offer an international distribution network that will help you building a solution for your Track & Trace needs.



TUBE&PIPE OD MARKING



OD - STATIONARY MULTIPLE PIPE MARKING ROBOT

- ▶ Multiple pipe layer marking.
- ▶ Bi-directional marking.
- ▶ Fast writing cycles.
- ▶ Text, Logos and Datamatrix codes.
- ▶ Machine vision verification.
- ▶ Automatic cleaning station.



OD - ON-THE-FLY MARKING JIB CRANE

- ▶ Modular construction.
- ▶ Marking the pipes on-the-fly
- ▶ Text, Logos and Datamatrix codes.
- ▶ Up to 3 layers (Black coat /Inkjet /Clear coat).
- ▶ Automatic cleaning station.
- ▶ Machine vision verification.



OD - STATIONARY GANTRY TYPE MARKING ROBOT

- ▶ Modular construction.
- ▶ Up to 80 ft pipes wide.
- ▶ Text, Logos and Datamatrix codes.
- ▶ Up to 3 layers (Black coat /Inkjet /Clear coat).
- ▶ Automatic cleaning station
- ▶ Machine vision verification.
- ▶ Optional Dot peen punch marking.



OD - ON-THE-FLY MARKING ROBOT

- ▶ Robot marking the pipes on-the-fly.
- ▶ Marking at 120° around the pipe.
- ▶ Text, Logos and Datamatrix codes.
- ▶ Up to 3 layers (Black coat /Inkjet /Clear coat).
- ▶ Automatic cleaning station.
- ▶ Machine vision verification.

TUBE&PIPE ID MARKING



ID / OD PIPE ROBOTIC MARKING

- ▶ Multiple lines marking.
- ▶ Text, Logos and Datamatrix codes.
- ▶ Up to 3 layers (Black coat /Inkjet /Clear coat).
- ▶ Fast writing cycles.
- ▶ Machine vision verification.
- ▶ Automatic cleaning station.

ID SMARKLASE ROBOTIC MARKING

- ▶ Small ID Pipe marking.
- ▶ Text, Logos and Datamatrix codes.
- ▶ Laser reactive White coating spray application.
- ▶ Hi resolution Laser marking.
- ▶ Machine vision verification.
- ▶ Automatic cleaning station.



SPIRAL PIPE MARKING

PIPE MARKING PARALLEL TO THE SEAM

- ▶ White pigmented ink quality marking.
- ▶ Optional clear coating.
- ▶ Text, Logos and Datamatrix codes.
- ▶ Machine vision verification.
- ▶ Automatic cleaning station.



COATED PIPE MARKING

- ▶ Multiple lines marking.
- ▶ Text, Logos and Datamatrix codes.
- ▶ Different color inks available.
- ▶ Machine vision verification.
- ▶ Automatic cleaning station.



DATA CAPTURING VISION SYSTEMS

SINGLE CAMERA READERS

- ▶ Industrial design for the mill environment.
- ▶ Datamatrix verification for Pipes tracking.



VISION TUNNELS

- ▶ On-The-Fly Datamatrix verification up to 3 m/sec.
- ▶ 360° area inspection to detect 2D codes in any position.



ROBOTIC LINEAR CAMERA SCANNING

- ▶ Hi-resolution Linear cameras to scan the surface of the pipe.
- ▶ Complete picture of the stencil including OCR text & Datamatrix verification.





More than
2500 customers



Innovative vocation



A strong sales engineers team specialized in
marking and coding solutions



Engineering department with more
than 30 years of experience



Industry
4.0 reference

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