

PolyTAG FC

FULL AUTOMATIC CELL FOR BUNDLE RODS TAGGING

●●● polytec
APPLIED ROBOTICS
WORK SAFELY, THINK ROBOTIC



PolyTAG FC

A robot and a label generation unit constitute the system.
The robot and the labeling machine can be included in a container in order to simplify the installation.
The label is positioned on the bundle rods, fixed and welded in the point envisioned, through a wire ring formed on label. The label application head is mounted on a recoil system in order to protect it from blows, allowing a safe approach on bundle rods.

PolyTAG FC benefits:

- Reduction of label loss, stress test with 400 N of force after weld ensure the sealing.
- Fully customizable label (with logo, normative etc...)
- Bundle rods 600 °C labelable.
- Autonomy up to 4.000 labels.
- Immediate verification of readability and reissue if necessary.
- 2nd storage with 10 different colors of label to identify the wire rods.
- 3D camera analyze the face of bundle rods to define the right bars to weld with high precision.



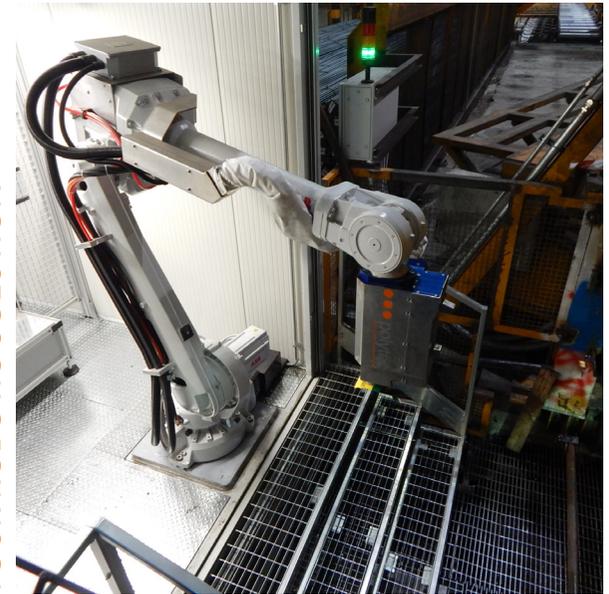
FEASIBILITY STUDY on CUSTOMER NEED

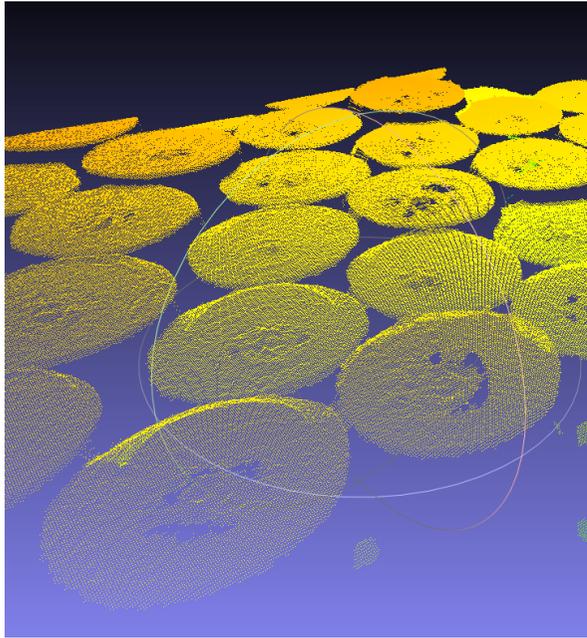


DESIGN | SIMULATION | PRODUCTION



YOUR ROBOTIC SOLUTION





PolyTAG FC is available with the robot inside the container or upside depending of layout of plant.

ENHANCED SAFETY

ZERO DOWNTIME

AVAILABLE SERVICES

Technical Support

Installation and Setup

Maintenance

Application Support

Hardware Support

Guaranteed Warranty

Remote Access via VPN

30% faster than previous version

AWT: adaptive welding technology

Anti rotate tag application (pat. pending)

3D MACHINE VISION SYSTEM

Our 3D vision system provides to:

Scan the face of bundle rods.

Elaborate the 3D image.

Extract four good points.

Communicate the absolute position to the robot.

LET'S WATCH THE VIDEO!



Type of marking system	Thermal transfer
Max. temperature of bundle rods	600 °C
Lable dimension	125x75 mm or 100x80 mm
Working range	Up to 2800 mm
Minimum diameter of bars	5 mm
Lable creation cycle time	10 s
Labeling cycle time	30% FASTER 10 s
Insulated container	Optional
Conditioning of the container	Optional
3D Vision system for bars identification	3D high quality vision system included
Vision system for reading and reissue	Optional
2nd Storage for colored lables	Optional



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