

INDUSTRY 4.0

ROBOTIC TAGGING APPLICATIONS

Automatic Tagging Island is a solution for automatically tagging bundles of profiles, sections and rebars in long product rolling mills.

It allows to:

reduce the risk of errors in mixing heat numbers at the production plant;

assure full traceability of finished products and the tagging of each single product with the right identification data;

keep operators away from difficult positions and task, such as tagging material at high temperatures.

3D scanning time of the bundle is

1.2
seconds

The robotic island is able to work in plant with the production up to

180
tph

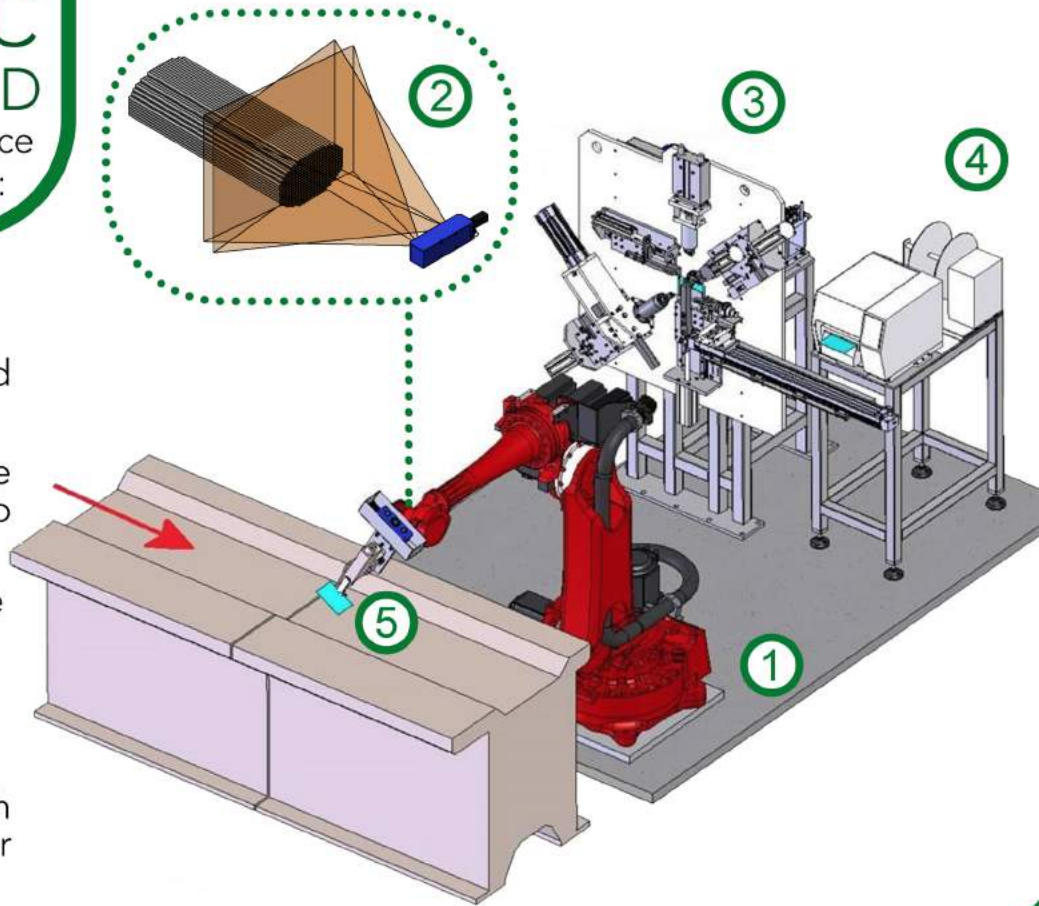
When the bundle is stopped on conveyor for tagging, the cycle time is

8
seconds

AUTOMATIC TAGGING ISLAND

is installed in a limited space at site and composed by:

- ① an anthropomorphic robot 6-axis;
- ② 3D vision system installed on the robot wrist;
- ③ a machine to create the tags support or to distribute tags support;
- ④ the set of printers for the identifying tags;
- ⑤ a welding machine;
- * an electrical control with the relevant HMI's for diagnostics and alarms.



External tag charger can handle more than

10 000

 tags

MAIN BENEFITS



Increased safety and productivity



Cost reduction



Efficient and consistent utilization of the equipment



Fully finished product tracking system at site with the automatically printing of tags

AiC sites:

- AiC Headquarters (Italy) - tel.: +39 0365 826333
- ATS Mechatronics (Italy) - tel.: +39 0365826333
- AiC North America (USA) - tel.: +1 971 241 2264
- AiC South America (Brazil) - tel.: +55 11 98571 4061
- AiC (India) - tel.: +91 80 2973 0867

