

FAT obtained on 2 robotic islands for labeling and marking metal sheets.

The robotics team has successfully undergone testing on n.2 robotic islands that will be installed at the Officine Tecnosider facility in the province of Udine (Northern Italy), in the forthcoming weeks of August.

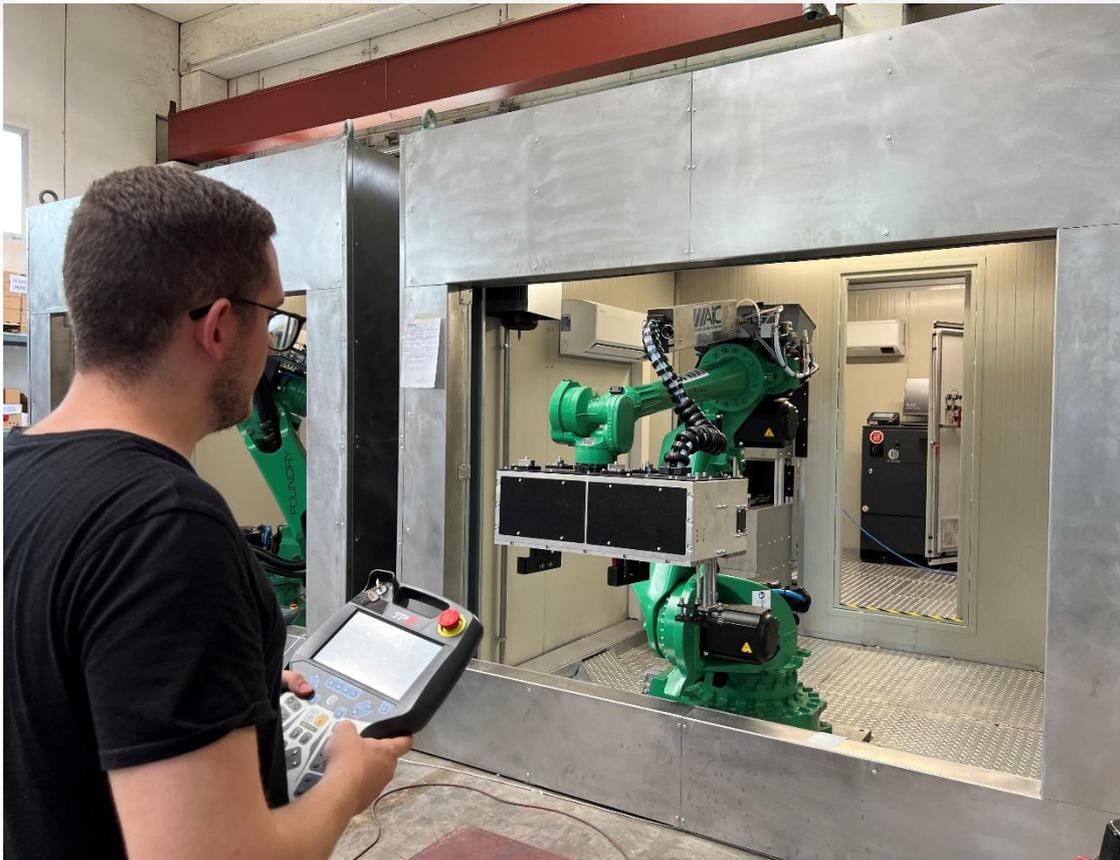
The twin station will be located on the two sides of the cooling bed on which the rolled plates will be laid for tagging and microdots marking up to 500 °C.

The **labeling** is performed using adhesive labels directly on the metal sheet. In both cases, the robot equipped with a dedicated tool picks up the printed tag and affixes it to the sheet in the pre-established area based on the data collected by a laser sensor mounted on the head.

This sensor is also used to identify the presence of the sheet metal and possibly verify its width, therefore positioning the robot in the labeling phase.

Once the labeling is complete, the **sheet metal marking** is carried out using the laser sensor to identify the starting point for the punching tool. Marking is done in an area of 150 x 150 mm.



**About:**

AIC Group is a technological partner with extensive experience and deep know-how and stands itself as a global power control supplier and system integrator designing, manufacturing, and implementing automation systems, process control, and mechatronic solutions for both greenfield and revamping projects. Focusing on the steel and metals industries for long and flat products, the Group provides cutting-edge technical solutions by handling complex project schedules and thus establishing satisfactory and remarkable partnerships through its 6 international offices. More than 45 years of modernization for endless reliability processes.

AIC Robotics department concepts versatile tailor-made solutions to ensure an advanced process in the finishing area of the processing line, improving the often-harsh conditions our customers operate in. Robotic applications designed by AIC automatically tag, mark, label and trace semi-finished or finished metal long and flat products.

Officine Tecnosider is a target company in the field of hot rolled plates production with over 20 years of experience and know-how in the steel industry and in particular in the hot rolling sector. The company is in the Aussa Corno industrial area of San Giorgio di Nogaro (UD), on an area of 90,000 m² of which 20,000 are covered.

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