

Automated feeding and alignment of metal inserts in the production of water meters

Highly efficient and versatile feeding solution designed by Techni Jura Robotics for CEBO Injections to meet the demands of modern production environments

Sectors



Electronic & Semiconductors



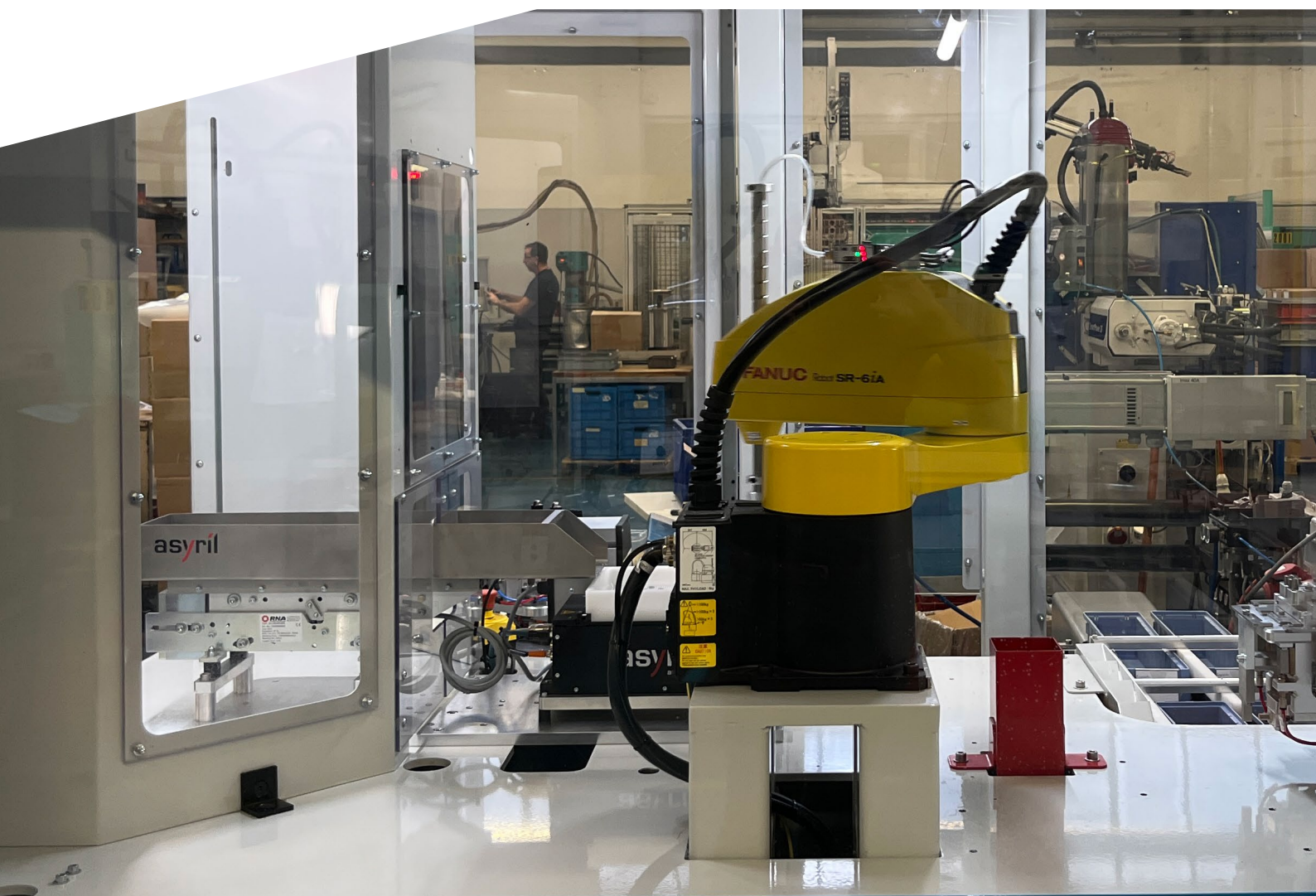
Consumer goods



Automotive



Machine tending





3-Axis Vibration Technology Innovation by asyril



Recognized player in the manufacturing of special machines and robot islands, Techni Jura Robotics supports their customers in the automation and robotization of their production to ultimately bring them new technologies and machines and allow them to differentiate and improve their competitiveness.

End customer



Asyril partner in the fields of thermo-plastic injection for the automotive, appliance, electromechanical, medical, watchmaking and cosmetics sectors. CEBO Injections SA is specialized in injection mold design and molding manufacturer and produces high-quality plastic parts.

"One of the key benefits of using Asyril flexible feeding systems at CEBO is their ability to handle a wide range of part geometries and materials, while remaining simple to configure. Their intuitive and rapid integration means they add direct value to our systems."

Luc Goujon, Director of Operations at CEBO Injections

Integrated products

- EYE+ smart control system
- Asycube 240 flexible feeder



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Challenge

- Produce many product variants for water meters subject to various regulations and standards depending on the country and region demands
- Experienced issues with the existing feeding system, which was inflexible and resulted in significant downtime and inefficiencies
- Face changes in customer requirements
- Need to automate the manual assembly

Solution

- Loading of the injection tray with 4 inserts during the overmolding process of another set
- Asycube 240 flexible feeder for multiple variants of inserts for water meters on the same installation with a FANUC SCARA robot
- EYE+ smart control system in conjunction with red frontlight option to detect part details and pick the parts on the defined side

Advantages

- Fast and accurate feeding with 4 pieces every 20-40 seconds
- Consistent, high-quality production with minimal downtime
- Fully customizable configuration of the feeding process to meet specific production needs
- Process reliability
- Comprehensive training and technical support, ensuring that technicians and operators have the knowledge and skills they need to operate the systems effectively



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