Ocrim develops custom robotic island for waste recovery

CREMONA, ITALY — Ocrim developed a custom robotic island to optimize the palletizing of 20 and 25 kg bags of tartaric acid for Caviro Extra, which is involved in the recovery of waste from the winemaking and agri-food supply chains.

While outside of Ocrim's specialization in the milling industry, the project demonstrates how Ocrim's end-of-line department has solutions for various sectors and shows how automation, reliability and precision can be applied in diverse production contexts, Ocrim said.

The project presented a design challenge that required careful analysis of flows, geometries and interactions between humans and machines, Ocrim said.

The core of the solution is a multifunctional gripper capable of handling bags and palletizing accessories — such as cardboard sheets — without the need for separate modules. This made it possible to minimize space requirements, improve handling efficiency and deliver a reliable solution, Ocrim said.

More than just automation, the project involved a customized process design, where every element was calibrated to the customer's actual production needs. The result is a stable, flexible line, ready to adapt to any future developments, in line with Ocrim's philosophy of systems designed to last and grow.

"In an industrial context where sustainability, resource optimization, and intelligent automation are strategic levers, the collaboration between Ocrim and Caviro Extra demonstrates how innovation doesn't necessarily come from so-called revolutionary technologies, but from the ability to listen to customers and build solutions that precisely meet their needs," Ocrim said.