

COMAU DEPLOYS ADVANCED ROBOTIC ORDER PREPARATION SOLUTION FOR THE EU MASTERLY PROJECT

- Comau has developed an intelligent robotic order preparation solution using its MyCo collaborative robot, ROS2 software architecture, AI-powered vision systems, and an advanced modular gripper
- The system was tested and validated within Decathlon's warehouse logistics environment as part of MASTERLY's final demonstrator activities
- MASTERLY aims to accelerate the transition from traditional mass production to highly flexible, reconfigurable, and human-centric manufacturing systems
- In addition to advanced robotics, Comau also leveraged its AI-backed automation and systems integration expertise to support the adaptive and efficient e-commerce fulfillment operations

Grugliasco (Turin), September 9, 2026 – Comau has designed and validated an order preparation solution tested within Decathlon's e-commerce fulfillment operations as part of MASTERLY, (GA n.101091800, <https://masterly-project.eu/>) a European initiative designed to accelerate the transition from traditional mass production to highly flexible, customized manufacturing systems. The system leverages Comau's MyCo collaborative robot with a ROS2-based software architecture and integrates intelligent sensors and an advanced modular gripper to autonomously manage picking, handling, and palletizing tasks across variable product flows.

Comau's role within the MASTERLY project reflects its use of advanced AI-backed automation to address evolving production challenges, including increasing variability, supply chain disruptions, and the need for rapid reconfiguration. Indeed, the intelligent warehousing and logistics solution, developed in collaboration with the project's ecosystem of technology partners, underscores the importance of scalable and versatile automation designed to improve workplace ergonomics, reduce physical strain and enhance operational flexibility within human-centric production environments. . The project parameters were driven by Decathlon's operational requirements within the targeted fulfillment process, which has provided the foundation for implementing and validating several advanced functionalities. Key partners included Decathlon itself and STAM, a Genoa-based systems integrator, alongside the broader MASTERLY consortium.



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In addition to the MyCo collaborative robot and intelligent gripper, engineered to manipulate objects varying in shape, weight, and material, the solution incorporates advanced sensors, vision-based object recognition, digital twin capabilities, and workflow orchestration tools. As a result, it can easily manage the rigid, soft, and porous materials commonly found in e-commerce fulfillment environments. The system also grants real-time optimization and seamless interaction between operators and the automated processes, ensuring high flexibility while maintaining consistent throughput and operational reliability. Furthermore, the knowledge gained and functionalities validated during the project will contribute to the continued evolution of Comau's MyCo collaborative robotics platform and are expected to become part of its broader portfolio of advanced intralogistics capabilities.

*"Comau's role in the MASTERLY project is fully aligned with our commitment to advancing next-generation manufacturing by promoting reconfigurability, efficiency, and human-centric automation," explains **Alessandro Piscioneri, Head of Product and Solution Management - Advanced Automation Solutions at Comau.** "The project also highlights the strategic value of combining intelligent robotics, digital technologies and systems integration to create highly flexible logistics and fulfillment operations capable of adapting to rapidly changing production and market demands while maintaining operational continuity, scalability and ease of use. Comau's growing strategic focus on intralogistics includes strengthening our capabilities through acquisitions, including Automha and Invent, which enable us to deliver increasingly integrated and intelligent solutions across the entire warehouse and production value chain."*

ABOUT COMAU

Comau is a worldwide leader in delivering advanced automation solutions. The company designs and develops products and systems that help customers improve productivity, flexibility, and competitiveness across a wide range of industries – all while keeping sustainable production at the forefront. Comau also offers project management, consultancy services and, through its Academy, innovative training.

The company's technology portfolio includes products and solutions for vehicle manufacturing, with strong competencies in batteries and e-Mobility, as well as cutting-edge robotics and digital solutions for a variety of sectors such as logistics, distribution and fulfillment, renewable energies and storage, shipyards, aerospace, heavy industry, food & beverage, pharma and more. Together with fully owned companies Automha and Invent, Comau's end-to-end automation and intralogistics capabilities span manufacturing, storage, distribution, and material flow optimization. Automha specializes in intelligent, high-performance automated storage and retrieval systems, while Invent provides advanced picking and sorting technologies, material handling systems, and warehouse control software. Together, these complementary capabilities help optimize logistics operations and enhance distribution performance.

Comau is headquartered in Turin, Italy, Automha in Bergamo, Italy, and Invent in São Paulo, Brazil. The combined global footprint spans 9 innovation centers and 15 production facilities across 12 countries, supported by more than 4,000 employees worldwide.

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