



COMAU UNVEILS “MI.RA/PICKER”, A FULLY AUTOMATED PERCEPTION-BASED RANDOM BIN PICKING SOLUTION

- Autonomously recognizes, locates and grasps randomly placed objects at a rate of up to 40 pieces per minute (PPM)
- Reduces complexity while ensuring optimal picking precision and efficiency for single or multiple bins measuring up to 1 meter tall
- “MI.RA/PICKER” helps increase throughput while reducing upstream process times, saving time, energy and resources
- Comau’s turn-key solution is based on advanced engineering, machine inspection and seamlessly integrated features

Grugliasco (Turin), June 14, 2023 – Comau introduces “MI.RA/PICKER”, an intelligent advanced automation solution for perception-based random bin picking. Adaptable to any brand of commercial robot, customized bin or customized gripper, the fully automated picking solution uses two high-resolution laser sensors and a central camera to autonomously recognize, locate and grasp randomly placed objects at a rate of up to 40 pieces per minute (PPM). Furthermore, its streamlined virtual simulation tools and predictive algorithms guarantee optimal path management and collision-free trajectories, for precise and reliable performance while lowering costs and potential risks. All said, the automated picking eliminates the need for unsustainable manual sorting activities, which increases both productivity and operator well-being.

Designed with the support of Comau’s network of technology partners, the turn-key solution combines 3D vision technology, dual sensors and an intuitive programming interface to deliver best-in-class picking precision and efficiency for single or multiple bins containing unorganized rigid parts whose orientation and arrangement is unpredictable. And because products can be dumped into bins instead of placed in an orderly manner, MI.RA/Picker reduces upstream process times while ensuring a simplified logistic flow without singularization of the parts or rigid fixtures.

MI.RA/Picker is the result of Comau’s systems-based approach to flexible automation, which allows the company to develop tailor-made, turn-key solutions using the most suitable equipment for the needs of each specific project. The newest product within Comau’s Machine Inspection Recognition Archetypes (MI.RA) family of hardware-agnostic, intelligent vision systems, MI.RA/Picker represents a concrete, cost-effective answer to automate the complexity of collision-free random bin and piece picking operations. As such, it is perfect for the food & beverage, pharmaceuticals, plastics, electric/ electronics, metal and machinery and automotive industries.



www.comau.com



“Comau’s ongoing commitment to shaping innovation through advanced automation is seen in our ability to make complex technology more accessible and effective,” said Nicole Clement, Chief of Advanced Automation Solutions Business Unit. *“We believe, based on internal estimates and supporting market research, that the random bin and piece picking market could reach \$1.2B by 2025, with a compound annual growth rate of 76% (2019-2025). In this light, our novel approach to intelligent random bin picking for machine tending, pick&place and kitting operations, among others will undoubtedly help our customers increase both their process quality and production capacity.”*

ABOUT COMAU

Comau, a Stellantis company, is a worldwide leader in delivering sustainable advanced automation solutions. With 50 years of experience and a global presence, Comau is helping companies of all sizes in almost any industry leverage the benefits of automation. Backed by a continuous commitment to designing and developing innovative and easy to use technologies, its portfolio includes products and systems for vehicle manufacturing, with a strong presence in e-Mobility, as well as advanced robotics and digital solutions to address rapidly growing markets in industrial sectors. The company’s offering also extends to project management and consultancy. Through the training activities organized by its Academy, Comau is committed to advancing the technical and managerial knowledge necessary to face the challenges related to automation and leverage the opportunities of a constantly changing marketplace. Headquartered in Turin, Italy, Comau has an international network of 5 innovation centers, 5 digital hubs, and 12 manufacturing plants that span 13 countries and employ 3,700 people. Together with its wide network of distributors and partners, the company is able to respond quickly to the needs of its customers, no matter where they are located throughout the world.

www.comau.com

Press Office - Headquarters
Giuseppe Costabile
giuseppe.costabile@comau.com
Mob. +39 338 7130885

Press Office - Comau US
Amanda Konja
amanda.konja@comau.com
Mob. +1 248 727 7531

Burson Cohn & Wolfe
Tiziana Capece
comau@bcw-global.com
Mob. +39.320 826 8223



www.comau.com