



## INNOVATIVE COMAU TECHNOLOGY FOR THE SMART FACTORY AT THE CIM4.0 COMPETENCE CENTER

- Comau has collaborated on the development and integration of the Digital Factory, a CIM4.0 pilot assembly line dedicated to the digitalization of manufacturing processes and designed to help SMEs explore and test Manufacturing 4.0 solutions
- The company's MATE exoskeleton is part of the Competence Center together with smart factory technologies such as the M.I.O automated warehouse, the Vir.GIL virtual assistant and the new Racer- 5 COBOT collaborative robot with an integrated MI.RA vision system
- A Learning Center with four e.DO stations is dedicated to training activities for companies in the field of digital transformation and Industry 4.0.

**Turin, May 25, 2021** – The digital line at Competence Industry Manufacturing 4.0 (CIM4.0), one of the eight national competence centers promoted by the Economic Development Ministry (MISE), located in Turin, makes use of Comau technologies to develop innovative solutions and processes for Industry 4.0.

As a technology partner, Comau has provided its products and know-how with the experts of CIM4.0 to develop and integrate a pilot line, the digital factory, that allows large companies, SMEs and innovative startups to test digital manufacturing processes and technologies, as well as logistics and collaborative robotics. The aim is to help these companies achieve the level of technological maturity (Technology Readiness Level 9) necessary to competitively compete in global markets.

To concretely show the characteristics and advantages of Manufacturing 4.0, the Competence Center has created a real Digital Factory divided into four areas of activity. In the "Human-Machine Interaction" section, dedicated to collaborative and wearable robotics, companies can use and learn about Comau's MATE exoskeleton for the upper limbs. At the "Digital Shop Floor", a Comau-designed assembly line demonstrates how to use enabling technologies to optimize production in complete and safe collaboration with a human operator. The "X Reality" space allows companies to experience immersive solutions for prototyping and designing production lines. There is also an "Artificial Intelligence" zone, where the potential of artificial intelligence for production and predictive maintenance is presented.

More specifically, the skateboard assembly line Comau has developed with CIM4.0 faithfully reproduces a real plant. The proposed process, which is highly versatile and scalable, can be replicated in different ways depending on a company's production needs and can also be adapted to articulated and complex processing for any industrial sector.





The pilot line integrates several innovative Comau technologies, such as the automatic and modular M.I.O. warehouse, designed to manage logistics 4.0 operations. The solution allows the operator to quickly and easily pick the right components for assembling the skateboard. The virtual assistant Vir.GIL guides the operator in the correct execution when picking up and positioning the pieces. A Racer- 5 COBOT collaborative robot integrated with a MI.RA vision system, which is based on artificial intelligence algorithms, chooses the pieces to be assembled and works in total safety and in close contact with the human operator to support the final work stages.

The CIM4.0 facility also features a Learning Center, where four e.DO robot stations have been set up in collaboration with Comau. Here, companies wishing to start their production innovation process can benefit from refresher courses on different technologies present in the center, as well as training for digitization and factory 4.0 management.

*“Comau is pleased that its technologies have become part of CIM4.0, making our long experience in manufacturing and innovative HUMANufacturing solutions available to accompany Italian SMEs in the process of technological transformation that is required by Industry 4.0,”* affirmed Gaia Salvatore, Robotics & Automation Products Marketing Segment Leader. *“Inside the center, companies can test processes to enhance and digitize production, and can also access training activities conducted with the help of the e.DO educational robot to develop increasingly advanced skills to grow in the market.”*

#### About Comau

Comau, a member of Stellantis, is a worldwide leader in delivering advanced industrial automation products and systems. Its portfolio includes technology and systems for electric, hybrid and traditional vehicle manufacturing, industrial robots, collaborative and wearable robotics, autonomous logistics, dedicated machining centers and interconnected digital services and products able to transmit, elaborate and analyze machine and process data. With over 45 years of experience and a strong presence within every major industrial country, Comau is helping manufacturers of all sizes in almost any industry experience higher quality, increased productivity, faster time-to-market and lower overall costs. The company's offering also extends to project management and consultancy, as well as maintenance and training for a wide range of industrial segments. Headquartered in Turin, Italy, Comau has an international network of 7 innovation centers, 5 digital hubs, 8 manufacturing plants and employs more than 9,000 people in 14 countries. A global network of distributors and partners allows the company to respond quickly to the needs of customers, no matter where they are located throughout the world. Through the training activities organized by its Academy, Comau is also committed to developing the technical and managerial knowledge necessary for companies to face the challenges and opportunities of Industry 4.0.

[www.comau.com](http://www.comau.com)



[www.comau.com](http://www.comau.com)



PRESS RELEASE

**Press Office - Headquarters**

**Giuseppe Costabile**

[giuseppe.costabile@comau.com](mailto:giuseppe.costabile@comau.com)

Mob. +39 338 7130885

**Burson Cohn & Wolfe**

**Gianluca Lombardelli**

[gianluca.lombardelli@bcw-global.com](mailto:gianluca.lombardelli@bcw-global.com)

Tel. +39 02 72143501

Mob. +39 335 7841708

**Cristina Gobbo**

[cristina.gobbo@bcw-global.com](mailto:cristina.gobbo@bcw-global.com)

Tel. +39 02 72143543

Mob. +39 340 6994601

**Francesca Cesa Bianchi**

[Francesca.cesabianchi@bcw-global.com](mailto:Francesca.cesabianchi@bcw-global.com)

Tel. +39 02 72143589

Mob. +39 342 0101635



[www.comau.com](http://www.comau.com)

Made in Comau