

COMAU PARTNERS WITH EXECHON TO DEVELOP NEW MACHINING SOLUTIONS FOR MULTIPLE INDUSTRIAL SECTORS WITH A FOCUS ON ELECTRIFICATION

Turin – March 2, 2020 – Comau, a global leader in advanced industrial automation products and solutions, and Exechon, an international company whose patented technologies are being used to develop advanced Parallel Kinematic Machine solutions, have joined forces to design and produce a new Comau machining center able to handle lightweight framing and structural components for multiple sectors with a particular focus on automotive, aerospace and electrification.

With the objective of spearheading a new machining paradigm able to handle large, complex aluminum parts, the companies have started a strategic cooperation. They will thus leverage their respective competencies to develop a concrete solution for their customers that can cost-effectively meet key drivers within the evolving machining market: the expanded use of lightweight components that reduce fuel consumption and CO₂ emissions; the growing importance of electrification for automotive manufactures; and the increasing degree of production complexity within the aerospace sector.

The joint project is further strengthened by the combination of Comau Machining’s globally recognized know how in systems integration and the in-depth management of complex lines, and Exechon’s innovative technology paradigm. As Time to Market, flexibility, and multiple parts management are non-negotiable, as is the need for Turn Key customization to meet specific project requirements, the joint expertise of both partners makes all the difference in terms of adding value for the customer. Exechon will develop the core of the new machine while Comau will leverage its forty-five years of industrial automation and integration experience to guarantee the best fit for each project.

“The importance of this project extends through to Comau’s ability to offer a 360° service connected to Electrification, with new lightweight machining centers as a central link,” explained Luca Ferrero COO of Comau Machining. *“Coupling a lightweight approach in Machining with our body assembly competencies and battery assembly know how, we can now complete the value chain and deliver advanced solutions for battery case machining and more.”*

“It has been an amazing year, as Comau and Exechon have jointly engaged in the extremely fast transition from conventional cars and planes to electrical and light weight design,” affirmed Karl Erik Neumann CEO - Inventor of the Tricept & Exechon PKM. *“We’ve shown how combining our XMini machine with the automation skills of Comau and its people can change a manufacturing paradigm. We believe in the future, and we believe in a future with Comau.”*

Backed by decades of innovation and technical excellence, Comau Machining means long term accuracy, reliability, flexible manufacturing processes and, most of all, complex projects integration capabilities. Its comprehensive product and services range includes machining centers, assembly & test equipment within a machining process or part of the line, thermal spray coating and material handling.

About Comau

Comau, a member of the FCA Group, is a worldwide leader in delivering advanced industrial automation products and systems. Combining innovative engineering solutions with enabling technologies, Comau helps companies leverage the full potential of digital manufacturing.

In addition to a vast range of modular, flexible and highly-configurable products, Comau offers interconnected digital service solutions able to transmit, elaborate and analyze important machine and process data, thereby increasing efficiency for smart manufacturing. The full portfolio includes: joining, assembly and machining solutions for traditional and electric vehicles, robotized manufacturing systems, a complete family of robots with extensive range and payload configurations, autonomous logistics, and asset optimization services with real-time monitoring and control capabilities. The offering also extends to project management and consultancy, IoT services, and maintenance and training for a wide range of industrial segments.

Headquartered in Turin, Italy, Comau has over 45 years of factory-proven experience and an international network of 36 locations, 15 manufacturing plants and 5 innovation centers that span 17 countries and employ more than 9,000 people. A global network of distributors and partners allows the company to respond quickly to the needs of customers of all sizes, no matter where they are located throughout the world. Comau is also committed to improving human - machine collaboration by developing competencies through the formation of individuals and groups as part of its open automation approach. This includes hands-on training programs by Comau Academy that develop the technical and managerial competencies necessary to face the challenges and opportunities of Industry 4.0.

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About Exechon

Exechon Enterprises L.L.C. is a Joint Venture between Lockheed Martin, Tecgrant AB (formerly Exechon AB), a Sweden-based technology company and Abu Dhabi-based Injaz National.

Exechon is committed to providing the most advanced Parallel Kinematic Machine technology capable of transforming manufacturing processes and adapting to integrated factory workflows.

Exechon's patented technology is designed to provide full turnkey solutions; allowing the customers to leverage an advanced manufacturing platform that meets their future needs and requirements.

Exechon's mission is to introduce automation in the manufacturing processes by deploying the portable, high-precision robot that creates complex parts while streamlining production and lowering costs in a modern manufacturing environment. Exechon aspires to be a market leader in providing low cost, innovative and highly accurate automation machines enabling businesses to automate and maximize profitability thus enabling the advent of Industry 4.0 within the region.

The Exechon XMini is the first Machine Tool Robot in the world made in carbon fiber, with unique capabilities such as high Material Removal Rate (MRR) & Accuracy. The XMini stands for a paradigm shift in automation, with the Flexibility & Dynamics of robots in combination with Stiffness & Accuracy of machine tools.

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