



COMAU PAIRS ITS ROBOTS WITH SIEMENS SINUMERIK RUN MY ROBOT /DIRECT CONTROL FOR BETTER PERFORMANCE AND PRECISE CONTROL

June 19, 2018, Munich – Comau will display the power of its integrated robotics strategy at Automatica (**Stand 331 - Hall B5**). The full integration of Comau's robotic arms with Siemens SINUMERIK Run MyRobot /Direct Control allows the CNC software to directly control the robotic arm without the need for external or embedded robot controllers. To demonstrate this, the companies have designed an automated machining cell in which a Racer-7-1.4 robot grinds and mills a mechanical part on-site.

Inside the cell, realized together with the technical collaboration of Fenix and Olivero Automazione, the Racer robot is seamlessly integrated into the CNC machine tool environment in a direct and complete way using a single control: SINUMERIK Run My Robot.

Features

- Direct connection of the robot kinematics to the drives within the SINUMERIK CNC system (Direct Control concept)
- Preconfigured setting data for a selection of robots is available
- Continuous path control with SINUMERIK (Single Controller)
- All CNC programming methods are employed
- Digital twin with NX-CAM and VNCK (Virtual NC Kernel)
- Parallelization of machining steps

Benefits

- No need for a separate robot controller – unified engineering





- The full range of CNC functionalities is available to the robot
- Cost-effective monitoring of fault states and integration of in-house service and maintenance processes
- Robot-specific programming know-how not required
- Easy synchronize processes between machine tools and robots
- Simple optimization of work processes on machine tools

Comau solutions are designed to help companies improve their competitiveness and achieve their manufacturing goals. Working closely with important industry partners such as Siemens, Comau is advancing its offer to meet the growing need for digitalization solutions. These types of joint development activities and technology partnerships are solid examples of Comau's on-going commitment to innovation and its advanced approach to collaborative, digital manufacturing.





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 32 locations, 14 manufacturing plants and 5 innovation centers that span 14 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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