

OMRON introduces IoT enabled NX1-Series Machine Controller That Integrates Control and Information

- Improves productivity and quality addressing manufacturing innovation challenges

New Delhi, July 06, 2018: Moving ahead with its product line expansion strategy, OMRON Automation the global leader in sensing & control + think technology, has launched NX1 series - a machine automation controller that boosts productivity while leveraging information in a manufacturing unit.

The controller is engineered especially for the manufacturers to improve productivity and address manufacturing innovation challenges including strengthening of quality control and flexible safety measures.

The solution is programmed to support next generation requirements that need integration of control and information in an industrial set-up to further improve productivity and connectivity. It collects synchronized data from sensors, servomotors, and units mounted to the controller within the same fixed cycle saving the overall operation time, and at the same time executing high-speed data processing tasks.

Commenting on the launch, Mr. Sameer Gandhi, MD, OMRON Automation, India, says, “Productivity and quality play an integral role in today’s manufacturing ecosystem which stands to be an essential component from safety standpoint to easily and securely share information between manufacturing sites and host IT systems. By using the NX1 Series, OMRON strives to create a connected manufacturing site where customers can achieve productivity improvements, real-time traceability, full inspections, and enhancement of safety measures at the same time. This finds great utility in Food & Beverage, Pharmaceuticals and Automotive manufacturing industries. We will continue to keep our customers first by these value additions to our ‘largest-in-the-industry’ portfolio of world class industrial automation solutions”.

Adding on to this Mr. Satyawrat Telang, Product Manager-PLC, Omron Automation, India, says “NX-1 is ‘The Solution in your Hand’. With the New Additional features in the PLC of up to 12 axes control via EtherCat (synchronous axis + PTP axis), 3 Built-in Industrial EtherNET ports and direct connection to the database and with no special unit, software, or middle ware required, NX1 is an all-in-one Controller for IoT solutions without compromising on machine motion control capabilities.”

More about NX1-Series:

Key Features:

Integration of control and information utilization	<ul style="list-style-type: none">• Synchronized control of I/O and motion within 1 ms cycle time and motion control of up to 12 axes enable high-speed, high-precision control• The built-in EtherNet/IP, EtherCAT, OPC UA, and database connection functionality allows use of information within and between machines, visualization of production status with MES/SCADA, traceability using SQL database, and other information
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	utilization applications
Integration of control and quality management	<ul style="list-style-type: none"> • Connected with the NX-HAD4 High-speed Analog Input Unit, the NX1 Series can simultaneously obtain analog data from four insulated channels at the industry's fastest sampling speed of 5 μs • Instead of previously used special inspection machines with built-in PC, this standard controller can be used for inspections such as vibration inspection of high-speed rotators, and enables the inspection process to be incorporated into a production line
Integration of control and safety	<ul style="list-style-type: none"> • The NX1 Series connected with the NX-SL5Safety CPU Unit integrates control and safety.

The launch is in line with OMRON's strategic concept for smart factories called as "innovative-Automation!" consisting of three innovations or "i's"--"integrated" (control evolution), "intelligent" (development of intelligence by ICT), and "interactive" (new harmonization between people and machines). By doing so, OMRON continues to pursue remarkable enhancements in quality and productivity for the manufacturing industry.

About OMRON Automation:

Headquartered in Kyoto, Japan, OMRON Corporation is a multi-billion-dollar, diversified company with business units producing industrial automation products, electronic components, and healthcare equipment and ticketing systems. OMRON Industrial Automation is a global leader providing complete automation solutions for industrial applications. It brings innovation to manufacturing sites through automation with "Integrated", "intelligent" and "interactive" concepts with one of the world's most sophisticated Input-Logic-Output-Robotics + Safety (ILOR+S) technology including the proprietary sensing technology.

OMRON Automation - India, now more than two decades old in the country, caters to over 7 industrial applications encompassing the wide requirements of packaging, automotive, material handling, solar, food & beverages, textile and panel building applications. The company is focusing on the solution business, including Robotics and IIoT, providing "One Stop" solutions, to improve the overall efficiency on diverse production sites. Focusing on the themes of quality, safety and the environment, they support manufacturing innovation worldwide with their unique sensing & controlling technologies. OMRON is rapidly expanding its operations with focus on all major cities making its presence felt across the country with a strong network of offices, automation centre, training centres, sales & marketing force, application teams, resident engineers and channel partners to address the ever challenging requirements of the customers. A major factor in OMRON's progress globally & locally has been the strong commitment towards its customers keeping 'Quality First'.

To learn more, please visit: www.omron-ap.co.in , www.omron.co.in



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