

OMRON Launches New Controller NX502 with Advanced Information, Motion and Safety Control - to achieve high production, quality and energy productivity

India, May 26 2023: OMRON Automation, the leading Japanese MNC in industrial automation business segment, has released NX502 CPU Unit automation controller with many pathbreaking information and safety control features as the latest addition to its NX series. The launch also accompanies the introduction of NX-EIP201 EtherNet/IP™ Unit.

The NX502 CPU Unit and NX-EIP201 EtherNet/IP Unit, with its world's highest precision data collection and large-capacity transfer capabilities, help in realizing rapid improvement of processes, that are leading to defects in products, thus optimizing resource disposal losses at production sites and also delivering large capacity memory to realize real-time analysis and process modularization*.

NX502 is the first integrated controller in the OMRON NX-Series enabling large-scale and high-speed safety, reducing lead times when changing production lines. This feature makes it possible to adjust and check partial processes with minimal impact on overall operations even on large lines and maximizes energy productivity by significantly reducing lead times when changing lines.



With the growing importance of ESG management, efforts to achieve carbon neutrality at manufacturing sites are gaining more importance. In addition, manufacturing sites involved in products that are undergoing remarkable technological innovation, such as EVs (Electric Vehicles) and digital devices, are facing the challenge of building lines that are agile and responsive to rapid yield improvement and flexible equipment design to respond to sudden fluctuations in demand.

According to Mr. Sameer Gandhi, MD, OMRON Automation, India, “OMRON has been contributing towards the improvement of productivity at manufacturing sites by leveraging its strength in control technology under its manufacturing innovation concept of “innovative-Automation”. This also indicates our endeavor to help manufacturers create sustainable manufacturing sites which are carbon neutral indicating our vision of enriching the future for people, industries and the globe by innovative automation.”

The product is a great offering for the Electric Mobility segment ensuring high battery quality, more safety through high-precision processing and high-resolution data utilization. It also plays a role in enabling ultra-flexible lines producing various vehicle models at maximum efficiency.

Additional info: Please access [here](#)

Notes:

*. *Modularization means dividing each process in the production line into functional units and making it easy to change flexibly.*

Introducing “innovative-Automation”

OMRON is advancing a unique “innovative-Automation” concept, creating new types of automation that drive the manufacturing revolution forward at the same time as realizing coexistence with the global environment and a sense of purpose for all workers, as well as contributing to the growth of sustainable industries.

As we look to the future of manufacturing, OMRON will pursue novel approaches to productivity in the form of “Autonomation beyond human abilities” and “Advanced collaboration between people and machines,” underpinned by “Digital engineering transformation” in order to enrich the future for people, industries and the globe by innovative-Automation.

About OMRON Automation India business

Headquartered in Kyoto, Japan, OMRON Corporation is a multi-billion-dollar, diversified company with business units producing industrial automation products, device & module solutions, healthcare and social system solutions. The Industrial Automation business unit of OMRON 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 and wide product range encompassing panel components, smart sensors, Vision technologies, PLCs, Servos, Drives, Robots & Cobots and Machine safety solutions (ILOR+S) technology.

OMRON Automation - India, now more than two decades old in the country, caters to varied industrial applications encompassing the wide requirements of packaging, automotive, material handling, food & beverages, digital and panel building applications. The company is focusing on the solution business, including Robotics and IoT, providing “One Stop” solutions to improve the overall efficiency on diverse production sites. Focusing on the themes of quality, safety and the environment, it supports manufacturing innovation with its unique sensing & controlling

technologies and caters to customers across the country via its strong network of offices, application, service and sales engineers supported by an automation technology centre (for demos and PoCs), training centres as well as channel partners to address the ever-challenging requirements. A major factor in OMRON's progress globally & locally has been the strong commitment to provide solutions towards its customers' unique challenges.

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



For more information, please contact:

Ankur Bhat, OMRON Corporate Communications, ankur.bhat@omron.com ; + 91 9899819904