

PRESS RELEASE

Oct. 2019

OMRON will present its Zero-Defect solution for Automotive, as well as flexible robotics solutions for personalized manufacturing at this year's productronica in Munich

OMRON Technology - Factory Harmony

OMRON Sensing & Control + Think technologies seamlessly integrate different technologies and disciplines. They enable manufacturers to achieve completely flexible production lines, making personalized manufacturing a reality today across industries enabling collaboration between humans and machines.

You will see demonstrations at OMRON's booth of how LD mobile robots and Omron TM collaborative robots can connect different production cells, ensuring efficient material flow and production processes, reducing errors and relieving humans from repetitive tasks, freeing their time for more creative jobs.

OMRON solution for Automotive - Achieving Zero-Defect with complete inspection solutions from a single source

Zero Defect is a process whereby all electrical assemblies and their associated components are individually and comprehensively inspected after they have been manufactured. In autonomous vehicles and in all the associated systems necessary for autonomous driving, more and more electronic safety components are being integrated. The number of components is becoming more and more extensive, from camera systems, sensor systems and wireless communication interfaces through to intelligent light systems and navigation aids.

OMRON is convinced, that a complete inspection process is needed and developed a variety of unique and highly effective automation solutions for manufacturers worldwide, able to provide a complete automation solution from a single source.

To meet these customer needs in PCB optical and X-ray inspection in the SMT process, OMRON's solutions guarantee the quality of PCB components and the strength of solder joints.

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At OMRON's booth you can see demonstrations in the fields of AOI (Automated Optical Inspection), SPI (Solder Paste Inspection) AXI (Automated X-ray Inspection), and AVI (Automatic Visual Inspection) making the above possible.

New OMRON Solutions:

3D-SPI VP-9000 System

In Productronica 2019, Omron will release new 3D-SPI VP-9000 system. It provides a switchover function for multiple optical resolutions, and as a result, it enables highly precise and high speed 3-dimensional inspections.

VT-M121 AVI-System

The VT-M121 AVI-System is the first ever 2D dimensional and visual inspection machine to detect scratches and cracks on products. Based on the FH-Vision System and the Multi-Direction Multi-Colour (MDMC) light system, the VT-M121 performs a 100% inspection with a high degree of accuracy as well as a very high cycle time. Thanks to the integrated FH-Vision System, the VT-M121 can also detect slight colour differences or defects. As a result, inspection times can be shortened, as well as the performance of the inspection improved with a repeat accuracy of 10 µm.

VT-S730-H

The new VT-S730-H series reduces inspection time with a new high-speed image processing module that is two times faster than conventional series combined with Omron unique Hybrid SJI for high quality solder joint inspection, while delivering high quality productivity.

Convince yourself directly at OMRON booth or have a live-demo at productronica's 3D-AOI-Arena.

Visit OMRON in Munich, November 12-15, Hall A2, Booth 331 and live-demo at 3D-AOI-Arena, Hall A2, booth 506

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About "*innovative-Automation!*"

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As a leader in industrial automation, OMRON has extensive lines of control components and equipment, ranging from image-processing sensors and other input devices to various controllers and output devices such as servo motors, as well as a range of safety devices and industrial robots. By combining these devices via software, OMRON has developed a variety of unique and highly effective automation solutions for manufacturers worldwide. Based on its reservoir of advanced technologies and comprehensive range of devices, OMRON set forth a strategic concept called "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). OMRON is now committed to bringing innovation to manufacturing sites by materializing this concept.

About OMRON

OMRON Corporation is a global leader in the field of automation based on its core technology of "Sensing & Control + Think". OMRON's business fields cover a broad spectrum, ranging from industrial automation and electronic components to automotive electronic components, social infrastructure systems, healthcare, and environmental solutions. Established in 1933, OMRON has over 36,000 employees worldwide, working to provide products and services in 117 countries. In the field of industrial automation, OMRON supports manufacturing innovation by providing advanced automation technologies and products, as well as through extensive customer support, in order to help create a better society.

OMRON is the global leader of Automated Optical Inspection systems, with over 30 years of experience in Tier 1 manufacturing companies, utilizing its core technologies to the benefit of the Global Electronic Manufacturing Sector.

For more information, visit: inspection.OMRON.eu.