

News Release

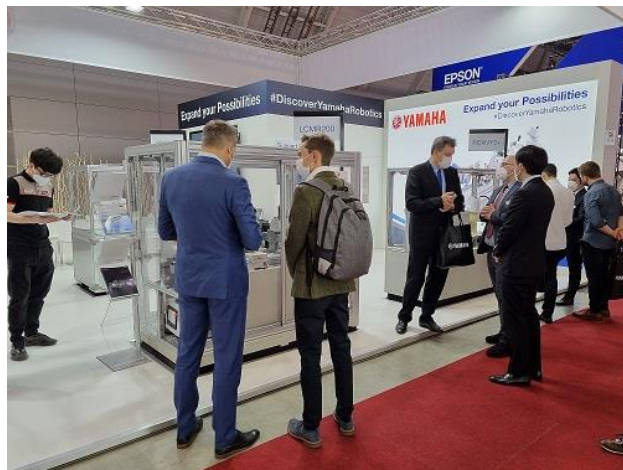
Yamaha demonstrates advanced and affordable robot technologies at Motek 2021

Return of face-to-face interaction highlights innovative, accessible robots, fast and efficient vision, and high-speed, flexible workpiece transport solutions for cleaner, safer industry

Yamaha Motor Robotics Factory Automation Section shared advanced robotics and Haribo sweets with visitors at Motek 2021, held in Stuttgart from October 5-8.

Europe's showcase for state-of-the-art industrial automation, Motek presented one of the first opportunities in almost two years for the region's robotics experts to meet face to face.

"We were encouraged at the level of attendance by visitors looking to discover how the latest industrial robots can improve operations and business performance," commented Yasushi Miyake, Branch Manager of Yamaha Motor Europe IM business. "We feel very positive about the signs going forward, and the contribution our industry can make towards ensuring safety and prosperity."



Visitors to Yamaha's Motek Booth discovered the latest solutions for safe and productive industry

While protecting customers, partners, and employees, Yamaha has continued to work on product innovations, including advanced software that simplifies control and programming, as well as SCARA robots such as the latest YK-XE series. Engineered for affordability and performance, the YK-XE series can take loads from 4kg to 10kg and handle items such as textiles, foodstuffs, and high-tech components in activities from packaging and logistics to product assembly.

At Motek, the YK400XE, which has 400mm arm length, served visitors with Haribo sweets during the show, working with Yamaha's latest RCXiVY2+ vision system. RCXiVY2+ introduces new features such as blob detection for tracking objects like items of food and clothing that have no defined shape. The RCXiVY2+ system is managed directly by the main RCX340 controller using dedicated robot-vision instructions, which ensures greater speed and efficiency than traditional machine vision.



Yamaha's YK400XE with RCXiVY2+ vision served jellies to demonstrate accurate picking of objects such as foodstuffs and textiles

An additional demonstration showed the YK400XE and RCXiVY2+ working with Asyri's Asycube intelligent parts feeder, integrated using software created by Yamaha, to accelerate picking bulk components and accurate placement with orientation checking on the fly.

Demonstrating flexible workpiece transportation, Yamaha's LCMR200 linear conveyor module showed how its programmable direction, speed, and acceleration give extra flexibility. Where traditional belt and roller conveyors typically allow a single direction and fixed speed, LCMR200 lets system integrators maximise the throughput and minimise the footprint of any cell containing one or more robots performing processes such as picking, placing, dispensing, mechanical assembly, and packaging. They can also enhance the productivity of semi-automated and manual production lines.

For more information about Yamaha's industrial robots please visit <https://fa.yamaha-motor-im.de/yamaha-robotics/>.

ABOUT YAMAHA Robotics FA Section

Yamaha Factory Automation Section (FA Section), a subdivision of Yamaha Motor Robotics Business Unit in Yamaha Motor Corporation, is focused on delivering flexible, high-accuracy industrial robots for precision automation challenges.

With its roots in the introduction of robot technology to Yamaha motorcycle assembly activities, the division has over 40 years' experience solving automation challenges from factory-scale to micron-level. Yamaha's industrial robots are now trusted by leading corporations worldwide, in activities as diverse as semiconductor fabrication and assembling electronic products, domestic appliances, automotive components, and large liquid-crystal panels.

Yamaha Motor FA Section offers a unified range of solutions for robotic assembly, including single-axis robots, SCARA, cartesian, and articulated robots. Innovations such as the LCMR200 linear conveyor module; a smoother, space-saving and more versatile successor to conventional belt and roller conveyors continue to set the pace in factory automation. Core robotic technologies as well as key components and complete robot systems are all produced in-house, ensuring consistent quality and control over lead-times.

Headquartered in Neuss, Germany, Yamaha FA Section serves customers in all Europe.
<https://fa.yamaha-motor-im.de/>
#DiscoverYamahaRobotics

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