

Production & Assembly Automation 4.0 – SCIO Automation Group at Motek 2024

- State-of-the-art active alignment technology with a detailed laboratory setup
- Interactive "Gin-O-Bot" robot cell connected to BDE & traceability software, HIBERION
- Hands-on digitalization: Virtual commissioning, and simulations supported by VR

Frankenthal, September 5, 2024. SCIO Automation will showcase its comprehensive portfolio for production and assembly automation at Motek from October 8 to 11, while specifically focusing on special machinery and controls technologies. Visitors can expect innovative end-to-end solutions for special machinery, digitalization, and system integration, to high-precision systems in the Discrete Automation business segment at booth 5310 in Hall 5.

At the open-concept booth 5310 in hall 5, SCIO Automation invites industry professionals to immerse themselves in the world of automated manufacturing for industry 4.0. Just like the booth itself, the solutions on show offer a complete package: The integrated portfolio of SCIO's Discrete Automation business segment for production and assembly automation covers a plant's entire lifecycle. The segment's portfolio, consisting of the brands Autkom, Industrial Automation, MRB Automation, VESCON Automation, VESCON Systemtechnik, tmp, CEC Controls, and Matrix Engineered Systems, is divided into two main areas: Special Machinery and Controls Technologies.

In the **Special Machinery** area, SCIO Automation combines its expertise in (custom) mechanical engineering and developing high-precision systems. In addition to alignment and calibration systems, SCIO Automation will be showcasing its latest system for Active Alignment. This innovative technology enables camera sensors to be automatically aligned by actively reading image information—achieving a level of precision comparable to the human eye's alignment of the lens to the retina. At the booth, visitors will not only learn the theory but can see the system in action too: The active alignment system will be demonstrated in a hands-on laboratory setup. Insights into fully and semi-automated production lines, measurement & testing systems, and robotic cells further complement the portfolio.

The "Gin-O-Bot" robot cell, which is connected to the company's intelligent BDE and traceability software HIBERION, is returning again this year. It serves cold drinks to visitors while interactively introducing them to the second area: **Controls Technologies**. Here, attendees will learn all about SCIO Automation's expertise in PLC programming, intelligent data collection, smart production, e-mobility, and battery assembly, as well as after-sales service & machine safety.

SCIO Automation's capabilities, such as **simulations**, **virtual commissioning**, and **digital twin** technology, along with **visual project engineering** using their proprietary SO3 software, allow visitors to fully immerse themselves in the Smart Factory experience at the booth. They can also see all of this through VR headsets.

"Within SCIO Automation, and particularly in our Discrete Automation segment, we work hand in hand to ensure that we're a strong partner for production automation alongside our customers. Our goal is not only to support them with comprehensive and innovative automation solutions but to work closely together to play an active role in shaping a sustainable Industry 4.0. We're looking forward to making this vision a tangible experience for trade fair visitors via our interconnected services," said Antonio Cavotta, Head of the Discrete Automation Business Segment.

About SCIO Automation GmbH

SCIO Automation Group is an international end-to-end automation platform that passionately believes in its mission to support companies on their journey towards Industry 4.0. As a system integrator, SCIO automates production and logistics processes. As an innovator, SCIO develops value-added and customized automation products for the Autonomous Mobile Robots, Software and Cleanroom sectors, as well as for Food Intralogistics and Industrial Labeling. The SCIO platform currently comprises 12 company brands, totaling more than 1,800 employees at over 40 locations in eight countries worldwide, all of whom play a part in implementing the Smart Factory concept for global players in a wide range of industries.

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