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+++ **WEISS at Automatica 2023:** **Automation of the future is easy.** +++

WEISS will be showcasing solutions for assembly automation of the future at Automatica in Munich from June 27–30, 2023. The specialist for rotary indexing tables and automation components fulfills the needs of modern production with products that are easy to integrate and combine.

Production space is expensive, and long transport routes are inefficient – these aspects make crowding a common problem in assembly plants. The WEISS product portfolio offers solutions to this with compact components that are easy to integrate. At Automatica's Booth 324 in Hall A5, the family-run company will be showing how to create functional subsystems with its linear transfer systems, delta robots, pick & place units, and linear axes. WEISS will be using an example assembly process to demonstrate at this trade show in Munich how the well-planned combination and integration of its components enables modern, future-oriented production. Not only can the components be combined with one other, they can easily be integrated into the overall assembly system. Once integrated, they enable workpiece transport to various workspaces via rotational or linear path. WEISS software and control solutions are indeed designed specifically to support simple integration, start-up, and operation.

Robot solutions

With a repeat accuracy range of 0.01–0.05 millimeters and impressive speed characteristics, the delta robots from WEISS are perfectly designed for high-speed applications. At a nominal load of 0.5–50 kilograms, packaging tasks can be implemented in a wide range of sectors. The applications for WEISS DR delta robots range from the packaging industry and medical technology to the electrical industry and battery production. They solve tasks in which load, dynamics, and repeat accuracy are critical.

In addition to a comprehensive portfolio of delta robots, the WEISS portfolio includes solutions for workpiece transport and workpiece positioning. These positioning systems build on the technology of the company's proven rotary indexing tables. They are an ideal supplement to robot welding or the automated placement, connection, and assembly of

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battery modules. WEISS uses the dynamics and precision of its standardized systems in these areas of application. This is how the body-in-white experts in the automotive industry or in battery assembly, for instance, have created reliable and robust solutions.

Software and simulation models

WEISS is continuously expanding its portfolio of software, control, and simulation solutions. Compatibility within the product portfolio is a major focus of expansion. WEISS software engineers are also guided by the principle of easy integration into the higher-level system controls, and in turn, the overall system. Whether control packages, simulation models, or 3D, 4D, or EPLAN data, digital services continuously simplify system engineering, project planning, start-up, and optimization.

WEISS at Automatica. Hall A5. Booth 324.

Image Captions

- At Automatica 2023, WEISS will be demonstrating how its components can be combined to form subsystems using an exemplary assembly automation system in Hall A5, Booth 324. (WEISS-Handling-Subsystem)
- Custom positioning systems for robot applications are based on the powerful WEISS rotary indexing tables. (WEISS-Trunnion-Positioner)
- WEISS is expanding its portfolio of digital services. Simulation models of the components facilitate virtual start-up. (WEISS-Software-Simulation)

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About WEISS

With its automation solutions, WEISS GmbH is one of the world's leading system suppliers in the automotive industry, machine and plant manufacturing, life science, and electronics. The reliable and durable rotary indexing tables, handling units, delta robots, and linear transfer systems are making the industrial production of tomorrow a reality. With its expertise in mechanical, mechatronic, and digital solutions, WEISS paves the way for industrial transformation. By applying their engineering expertise, knowledge of industries and processes, and high affinity for serving customers, the experts assist system integrators and producers in designing and operating innovative and sustainable production plants. The family-owned company with headquarters in the city of Buchen in Germany's Rhine-Neckar metropolitan area, operates on a global scale. Founded in 1967, WEISS now has a staff of around 700 employees in its sales, service, and manufacturing locations in 49 countries.

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