

Reliable Automation for the Semiconductor Industry



Perfect your semiconductor production with our innovative automation solutions. We provide you with forward-thinking, high-tech products and systems for stable processes, maximum precision, and a minimized footprint. As an experienced partner in the semiconductor industry, we understand your challenges—from the front-end to the back-end and advanced packaging. Whether the processes are in high vacuum or an atmospheric environment, we support you every step of the way with reliable solutions that optimize your yield competitively.

Your Benefits at a Glance

High Process Stability Streamline your process chain for optimal yield, thanks to our mature solutions for reliable and repeatable operations.	Precise Automation Control flow, pressure, motion, and media in every production step—for the highest accuracy, even in the most demanding phases.	Cleanroom Ready With our pure products and solutions, you benefit from minimized contamination—for clean and stable production.	Minimized Footprint Thanks to their compact design, our automation solutions are extremely space-saving, thus optimizing the tool footprint.
Energy-Efficient Solutions Low energy consumption and minimized heat dissipation help to save on your operating costs and reduce your CO2 emissions.	24/7 Global Availability Thanks to our worldwide supply chain and global support network, our products and experts are available to you anywhere.	Copy Exactly! Compliance Our solutions ensure consistent quality and performance through standards with an internal global guideline.	AI/IoT Ready Smart components combined with intelligent software building blocks make our solutions AI-ready.

Custom-Fit Solutions for Your Challenges and Goals

Advance your production equipment with our customized solutions. Together with your team, we develop forward-thinking automation solutions that are tailored to your specific technical and strategic requirements.



We support you in the following processes:



High-Vacuum Applications

Whether it's deposition, etch, or ion implantation, we offer reliable and cleanroom-compatible automation solutions for your fab:

- Purging of FOUP and EFEM
- Regenerating load-locks with inert gases
- Wafer handling
- Process gas control in the gas box
- Process valve pre-control in ALD processes
- Smart wafer-pin-lift control
- Micro-positioning for focus rings
- Smart gate-valve control
- Positioning of substrates
- Media control for cooling and temperature control processes
- Process chamber lid-lift



Atmospheric Applications

Increase efficiency and yield with precise solutions—from PR coating to CMP and advanced packaging:

- Wafer handling and aligners
- Wafer clamping
- Smart wafer-pin-lift control
- N2 purge with MFC
- Regulation of protective gases
- Photoresist (PR) coating
- Proportional control of process valves for vacuum as well as liquid and gaseous media
- Pneumatic micro-positioning
- Precise pressure control and force regulation for polishing applications
- Proportional motion control, such as a door shutter

Would you like to learn more?

Simply scan the QR code to discover our solutions for semiconductor manufacturing.

