

Press Release

For Immediate Release

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High-Precision Hygienic Robots from Stäubli Robotics Live at IPPE 2025

Stäubli Robotics will demonstrate specialized food-grade robots for all stages of production, from unwrapped processing to palletizing

Duncan, South Carolina, December 20, 2024 — The [International Production & Processing Expo](#) (IPPE), the world's largest annual trade show for the poultry and egg, meat and animal food industry, returns to the Georgia World Congress Center in Atlanta on January 28-30, 2025. IPPE is the place to discover the latest food industry innovations, and at Booth #46142 in Hall C, [Stäubli Robotics](#) will exhibit robots that enhance the safety, repeatability, and efficiency of many applications.

Stäubli Robotics works with [food industry](#) partners and customers worldwide to understand the challenges of consistently producing safe, high-quality products while boosting efficiency and productivity. This has helped make it a leader in food industry automation with solutions for a full range of primary and secondary processing applications such as pick & place, cutting, deboning, portioning, packaging, and palletizing.

Maximizing productivity with precision

At IPPE, visitors will have the opportunity to see Stäubli's specialized food industry robots in action in primary processing applications involving unwrapped foods as well as end-of-line operations.

In one live demo, a six-axis [TX2-90 robot](#) in the market-leading "HE" design for [hygienic and humid environments](#), will display its ability to precisely handle raw meat, perform fast and accurate cutting, and demonstrate its resistance to wet cleaning. As the robot quickly repeats the automated process, it is easy to envision how much food these machines can process in very little time while preserving product integrity and cleanliness.

Stäubli will also present a box palletizing demo in which a [TX2-160L](#) HE robot loads boxes onto two pallets. With pallets on each side, the robot alternates fluidly from one to the other, left and right, until they are filled with neatly stacked boxes. The robot uses area scanners for safety, checks for proper positioning through its vision system, and requires no physical guarding to work safely alongside human workers while relieving them of this strenuous and time-consuming task.

Visitors will also be able to discover how easy it is to program the robot to perform this task using Stäubli's [VAL Blocks programming](#) interface and test drive the user-friendly SP2+ robot teach pendant, fine-tuning settings for performance and load as part of an interactive exhibit.

IPPE TECHTalks: Choosing a food-grade robot

On Wednesday, January 29 at 1:00 pm, Mathias Konne, North America Business Head – Food at Stäubli Robotics, will give a TECHTalks presentation entitled “How to choose a food-grade robot today and what’s coming next,” which will cover the key characteristics to look for to ensure that a robot suits the technical and hygienic requirements of specific applications. He will also share insights on the future of robotic automation in food processing with a special focus on poultry.

“Recent challenges have rocked the industry, making it particularly fascinating to see the deployment of our hygienic robots alongside technologies from our partners, aimed at overcoming these challenges,” said Konne. “Issues such as consumer perceptions around food quality and safety have been magnified in recent years, making this a pivotal time to embrace new solutions. This year’s expo is poised to shape the future of the industry for 2025 and possibly many years to come. I expect critical conversations to unfold in Atlanta.”

Watch for Stäubli in the IPPE New Product Showcase

Stäubli Robotics’ video submission was selected for inclusion in IPPE’s fifth annual New Product Showcase. The video features the large Stäubli TX2-200 robot, now available in the HE version for high performance in hygienic and humid environments with full washdown capability, compatibility with food-grade oil, and a load capacity of up to 170 kg.

New Product Showcase videos will be on display in the B/C Connector of the Georgia World Congress Center during IPPE and viewable across various platforms including the IPPE attendee newsletters, social media channels, website, and mobile app. Of the 36 videos in the Showcase, three will be recognized with the New Product Showcase Award for best-in-class innovation.

Going strong in sensitive environments

Stäubli Robotics has made a name for itself in pioneering hygienic design for the food sector. IP67-rated HE (humid environment) and H1 (food-grade lubricant) options enable the robots to take on an array of tasks involving unwrapped food and withstand intensive cleaning procedures, even with aggressive media. Features include:

- Fully enclosed and pressurized structure prevents microorganism penetration and condensation
- Smooth, rounded and tilted surfaces prohibit liquid retention
- Fully compatible with NSF H1 food-grade lubricant without loss of performance
- Protected against pressure jets of water (IP65) and immersion (IP67)
- Crucial components in stainless steel
- No external cables: all connections run through the arm and base
- Unique, cylindrical envelope and small footprint
- Patented Stäubli proprietary JCS gearbox for accuracy, repeatability and durability

The HE series ranges in size and format (4- and 6-axis), and in payload from 1 to 170 kg. All have the flexibility of multiple mounting options, allowing easy integration into production lines.

At IPPE, industry experts will be on hand at Booth #46142 in Hall C to walk visitors through product features and discuss specific applications, giving operation and plant managers, purchasing agents, engineers, researchers, and other food industry professionals insights into how Stäubli robots can help them improve operations, increase productivity, enhance safety, and lower costs.

About Stäubli North America

Stäubli North America has more than 200 employees supporting Connectors, Robotics and Textiles customers. The company's North American headquarters is in Duncan, South Carolina. Stäubli provides customer support through its locations in Duncan, Queretaro, Mexico, and the newest Stäubli North American facility, which opened in 2018 in Novi, Michigan. In addition to 24/7 customer support, each of these facilities offers training and has dedicated on-site technical experts who can be deployed whenever needed. Stäubli's North American sales force is located strategically on the West and East coasts, and also serves Canada and Puerto Rico.

Worldwide, Stäubli is a leading manufacturer of quick release couplings, robotics systems and textile machinery. With a workforce of more than 5,500 employees, Stäubli is present in 29 countries supported by a comprehensive distribution network in 50 countries worldwide.

About Stäubli Robotics

Stäubli Robotics is a leading player in robotics around the world, consistently delivering engineering as effective and reliable as our service and support. Stäubli offers a complete range of 4-axis and 6-axis robotic systems, collaborative and mobile robotics as well as software to meet the most exacting demands of the market internationally. Stäubli robots combine speed, performance and safety. staubli.com/robotics

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