

PRESS RELEASE

Bayreuth, May 2020

Stäubli presents new SCARA and Stericlean ranges

Innovative robotic solutions for pharmaceuticals and food

Interpack, the essential leading event for packaging and processing for the food, beverage, confectionery, bakery, pharmaceutical, cosmetics, non-food and industrial goods sector postponed to 25 February to 03 March 2021 in Düsseldorf, German. At Interpack, Stäubli will showcase a full range of unique four and six-axis robots for applications in the food, cosmetics and pharmaceutical industries. The latest SCARAs in the TS2 series feature wash-down compatible hygienic design. They are soon available as Stericlean versions.

Sensitive areas of manufacturing such as food and pharmaceuticals place special demands on automation including compliance with the strictest hygiene standards, ultra-short cycle times, and guaranteed protection against product contamination.

It's with good reason that robots are increasingly being used to automate packaging processes in these growth markets: No other solution offers a comparable degree of flexibility and flexibility is precisely what is required to effectively manage smaller batch sizes and individual packaging design in ever more varied sizes.

Peter Pühringer; Managing Director of Stäubli Robotics elaborates: „At Interpack, we will be demonstrating that Stäubli offers suitable robotic solutions to meet all conceivable requirements in sensitive manufacturing environments. Our machines can work directly on unwrapped foodstuffs, and do not even require further adaptation for aseptic conditions needed in the pharmaceutical industry.“

New special-purpose robot series

The latest SCARAs of the TS2 series, the TP80 FAST picker and six-axis TX2 are now available as HE and H1 versions. In Humid Environment (HE) configuration and lubricated with H1 food-compatible oil, these robots fulfill even the most demanding specifications presented by the pharmaceutical and food manufacturing industries.

The HE models are especially resistant to moisture, enabling them to withstand cleaning processes with aqueous media. Another advantage is that using food-compatible oil with Stäubli robots does not compromise their performance in any way.

SCARA robots at last available as Stericlean versions

At Interpack, Stäubli will exhibit the new TS2-100 HE SCARA. Pühringer expects this model to be particularly popular: „This machine is incredibly fast and can cover a working area of two meters in a diameter,“ he explains. „This makes the TS2-100 the ideal replacement for delta robots as they are phased out in sensitive food and pharmaceutical applications. What’s more, in addition to this model, all other models in the TS2 series are available as Stericlean versions.“

The Stericlean option, which allows robots to perform their work in aseptic environments, was previously the exclusive domain of the six-axis series. To the delight of pharmaceutical manufacturers, SCARAs have begun to penetrate the aseptic manufacturing market. This is owed to their completely new enclosed design with internal media and supply lines and elimination of dead spaces.

If the impressive performance of the new SCARAs and six-axis robots in the sorting and packaging sector is not enough to convince, then the case must surely rest with the TP80, the current world champion in terms of dynamics. The Stäubli booth will feature a high-speed packaging cell in which the world’s fastest four-axis robot, the TP80 HE FAST picker with 3D robot guidance proves its performance with over 200 picks per minute.

With uniVAL, integration couldn't be simpler

At Interpack, Stäubli will also demonstrating how easy it now is to integrate the robots into third-party environments by means of uniVAL drive and uniVAL plc interfaces. The uniVAL drive is designed to integrate the robots into the motion controllers of machine manufacturers in an exceptionally simple way. The advantage of this solution is that the user can control and program the machine and robot via a common control platform.

Meanwhile Stäubli's uniVAL plc interface allows direct communication between the robot and programmable logic controllers of all major manufacturers. This makes robot programming more straightforward than ever, while retaining the safety functions of the new Stäubli CS9 controller.

Text: Ralf Högel



TS2-100 HE SCARA-robot – 1000 mm reach, designed for food palletizing and packaging applications.



Due to the fully encapsulated design of our cleanroom robots, Stäubli robots are the first choice for applications in the cosmetic, medical and pharmaceutical industries.



Durable in hydrogen peroxide (H₂O₂) environments for sterilization and decontamination processes.



With a cycle rate of 600 units per minute, two Stäubli six-axis robots perform the process of separating empty and grouping filled glass containers.



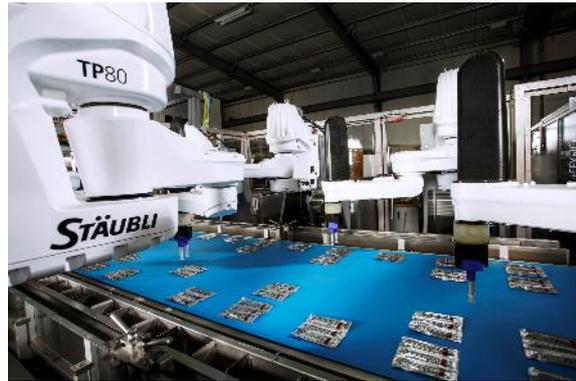
Our FAST picker TP80 HE is the only available clean picker worldwide. This high speed packaging cell is equipped with 3D robot guidance.



FAST picker TP80 for humid environment (HE), is lubricated with food grade NSF H1 oil without any loss of performance.



Due to their outstanding durability in cleaning procedures to protect against bacteria, Stäubli robots are now considered the benchmark in many sensitive applications.



FAST picker TP80 Stäubli robots fill two conveyor chains running parallel to the conveyor belt for packing sachets.



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About Stäubli

Stäubli is a mechatronics solutions provider with three dedicated activities: Connectors, Robotics and Textile. With a global workforce of over 5,500, the company generates annual turnover surpassing 1.3 billion Swiss francs. Originally founded in 1892 as a small workshop in Horgen/Zurich, today Stäubli is an international group headquartered in Pfäffikon, Switzerland. Worldwide, Stäubli operates fourteen industrial production sites and 29 subsidiaries, expanded with a network of agents in 50 countries, delivering innovative solutions to all industrial sectors.

www.staubli.com

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.

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