MEDIA INFORMATION

**FACHPACK**

**September 23 to 25 2025**

**Nuremberg Trade Fair**

**Hall 3c** | **Booth 551**

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We would also be happy to arrange a personal research or interview meeting at short notice during FACHPACK.

If you consider a contribution, we would be grateful – and would be pleased to receive a link and/or a specimen copy!

Trade fair statement

**System integrator with own production portfolio**

TRAPO: Dancing with Robots

**Under the motto “Dancing with Robots”, TRAPO will be demonstrating live crate and carton handling to perfection at FACHPACK from September 23 to 25 in Hall 3C at Stand 551! More than 33 years ago, the successful company from Westmünsterland made its debut at FACHPACK: It was the beginning of a very special success story!**

This year's live performance will showcase the handling of recyclable crates and cartons weighing up to 35 kg – delivered on transverse and longitudinal pallets. They are used in almost all industries and are an integral part of sustainable supply chains – from the food to the automotive industries.

Their standardized design features are equally at home in highly automated production processes and sophisticated warehouse management.

TRAPO shows the synchronous interaction of two articulated robots – a cobot (TCP Series) and a high-performance model (HRS Series), connected to conveyor technology as well as an autonomous mobile robot (AMR) from our partner OMRON coupled with a unique Top Module and Dock from our supplier MOVELI for 24/7 pallet handling.

The cobot is equipped with an easy-to-maintain suction gripper, while the HRS Series (High-Speed Robot System) robot is fitted with a fork gripper. The task: to alternately palletize and depalletize crates and cartons. A task that requires maximum precision when stacking the crates precisely one inside the other. Full and empty pallets are changed by a flexible robot that operates autonomously in the smallest of spaces.

**Customized automation**

In Nuremberg, the company from Gescher-Hochmoor in Westphalia will be presenting itself as a system integrator with its own extensive product portfolio. The compact hardware and software systems developed in the TRAPO technical center and installed worldwide are based on a modular system. Thanks to the modular system, there are numerous possibilities for meeting the individual automation requirements of the packaging industry.

**Specialist in a limited space**

In addition to stationary conveyor technology, the sales team will also be presenting mobile alternatives to ensure that space can be used flexibly, especially where space is limited. For example, the TRAPO Cobot Palletizer (TCP Series) – the performance model for easy entry into automated palletizing. Supplied on just two pallets, the mobile TCP Series robot, which can act as a “colleague” without a fence, can be used wherever its palletizing performance is required.

Production processes are optimized by TRAPO's own multifunctional gripper technology, which increases performance and protects products.

**TRAPO Experience Hubs with high practical relevance**

In production and intralogistics, TRAPO is a system solution provider in defined market segments – with excellent products and product solutions that meet the needs of end customers, system suppliers (OEM/original equipment manufacturers) and machine builders.

The sales team reflects this expertise in the TRAPO Experience Hubs, exclusive lounges in which interactive presentations provide answers to the top topics of individual automation.

Top topics from R&D at a glance

The TRAPO Experience Hubs: new features and proven automation solutions

**The presentation format is just as innovative as the solutions: TRAPO's sales team will be presenting the system integrator's automation solutions in the TRAPO Experience Hubs using customer references and interactive presentations.**

Autonomous loading and unloading of trucks with the **TLS 3600: the TRAPO loading system** basically consists of the autonomously operating vehicle plus dock. The dock plus vehicle is available both as a fixed installation (Fixed) and as a mobile version - set on wheels (Wheel) or rails (Rail). It can therefore be used either as a 1:1 solution or to operate several loading hatches.

In addition to the proven articulated arm robots, TRAPO is expanding its palletizing portfolio with a **high-performance gantry for the food industry (HPS Series)**, which combines three advantages:

1. **Compact gantry**

Space-saving: no need for a robot swivel arm

2. **Hygienically compliant**

- Use at the source

- Ground clearance for easy cleaning in wet areas

3. **Optimized CO2 footprint & reduced costs**:

- Low space requirement in the truck

- Commissioning times halved

- Travel and installation times halved!

**Special (de)palletizing expertise:** In addition to conventional solutions with articulated arm and gantry robots, the TRAPO team will be providing information at FACHPACK about the flagship, the **HLP 6000 high-performance layer palletizer**, which can be tailored to any production environment.

**TRAPO-Pack:** TRAPO's own palletizing software for **freely selectable stacking patterns**, which are configured by the user and saved for subsequent palletizing processes.

**Transparency with image recognition / visualization and new safety tools:** The 3D coordinates collected from cameras in machines and systems are transmitted both to the robot's control system as a safety tool and also used for evaluations of ME systems and services such as predictive maintenance.

**1 System I 1 Control:** Customers cover all their hardware and software requirements via a central partner, whereby existing systems and third-party machines are also integrated into the layout and digitally monitored and optimized 24/7 via TIM, the TRAPO Intelligent ME system.

**Application in the clean room**: As a professional for tasks in care areas, TRAPO GmbH has developed a Series of special designs to optimize internal transport along production lines in accordance with the hygiene and corrosion protection requirements of manufacturers and legislators. The TRAPO team will be happy to provide information on FDA approval (Food and Drug Administration according to the US authorities).

TRAPO Pack palletizing software

Optimized, intuitive HMI determines and
and saves the layer pattern with AI support

**Companies in the packaging industry are taking a further step towards automation with the TRAPO Pack software.**

This efficient, easy-to-use palletizing software is the basis for efficient, high-performance palletizing. TRAPO's own software configures the optimum layer pattern based on the dimensions of the package and the pallet. This is because the ideal stack forms the basis for a stable shipping unit and the ideal use of space in the truck or container.

The HMI on the monitor is user-friendly and self-explanatory: once generated, layer patterns are optimized on the monitor. Layer patterns and pallet loads can be configured by the user and saved for subsequent palletizing processes.

Wherever possible, TRAPO engineers take sustainable solutions into account, for example in the conscious use of resources. This is why TRAPO Pack reduces energy and material consumption.

De-palletizing expertise

From a single source: palletizer
plus multifunctional gripper

**The tasks of the packaging industry and the specific properties of the products define the requirements for a palletizing system. TRAPO creates solutions for these requirements with combinations that fit together to form the perfect overall system. The customized gripper technology is developed and manufactured at the company's headquarters in Gescher-Hochmoor.**

TRAPO offers maximum flexibility when it intelligently automates intralogistics tasks – with the perfect interplay of palletizing and depalletizing systems and tailor-made robot grippers. This reduces time, sources of error and costs. There are several possible combinations to choose from: Reliable layer formation in the infeed area using: Conventional methods or parallel kinematics programmed for high performance (HKS Series); for any pallet size. In the infeed area, single or double pushers with x-axis and, if required, additional z-axis or additional intermediate pusher are used, depending on output and product.

**The HLP 6000 fits always and everywhere**

In addition to conventional solutions with articulated arm and gantry robots, the TRAPO team will be providing information at FACHPACK about the flagship, the HLP 6000 high-performance layer palletizer, which can be tailored to any production environment.

The HLP Series palletizers operate with high and low infeed. The product family of high-performance layer palletizers is optionally equipped with a y-axis, rotary module or even a traversing axis – so one or more palletizing stations can be operated as required.

The HLP 6000 high-performance palletizer offers high performance in the smallest of spaces – and serves an almost unlimited product range: highly flexible, as it can be adapted to many products and packaging tasks.

The HLP 6000 lays down perfectly and thus realizes any layer patterns of different formats.

Where there is not enough space on the floor, TRAPO builds into the second floor.

**Flexible: 4- or 6-axis articulated robots**

The high-performance systems palletize, sort, load, feed and pick individual items, rows, partial layers or complete layers quickly and with high precision.

**Powerful: gantry robots**

TRAPO gantry robots operate on two or three linear axes in a cubic space. The gantry robots are designed and manufactured in the company's own production facility in Gescher-Hochmoor. They move particularly heavy products, even over long distances.

**TRAPO: High-performance depalletizer**

Until now, depalletizing tasks have often been carried out manually. A depalletizer as an integral part of an automated line enables stable, reliable processes and offers consistently efficient and traceable production sequences.

Depalletizers remove palletized goods and place them on conveyors.

High-performance layer depalletizers (HLDP Series) from TRAPO offer several innovations: The space-saving arrangement of the modules enables ground-level operation. The output of up to 90,000 empty cans per hour is impressive. Thanks to its modular design, the HLDP can also handle jars and bottles.

This innovative solution impresses with the use of a lifting column in combination with a magnetic or vacuum gripper and thus enables the efficient depalletizing of empty cans (tinplate / aluminium) or empty jars – with an output of up to six layers per minute. This corresponds to around 1,500 empty cans per minute.

Depending on the weight and properties, gantry or articulated robots plus grippers are used.

About TRAPO

TRAPO teams automate production and intralogistics worldwide, install machines and complex systems: for (de)palletizing, packaging, conveying, warehousing, sorting and distribution technology as well as autonomous loading and unloading.

Over 65 years of expertise in mechanical engineering make TRAPO GmbH the perfect partner for tasks in the packaging industry. Whether a new or existing system: thanks to the modular design, the systems can be individually configured for production and intralogistics areas.

TRAPO has had its own stainless steel production facility for over 50 years, where components for use in care areas are built according to hygiene design specifications.

The aim of the tailor-made, individual automation solutions: The harmony between economic success and the humanization of workplaces. Wherever possible, TRAPO engineers take sustainable solutions into account, for example in the conscious use of resources.

**Automation needs people!**

The headquarters of TRAPO GmbH is in Gescher-Hochmoor in North Rhine-Westphalia. Upon entering the TRAPO premises, guests are greeted by a four-meter-high sculpture. The Italian artist Angelo Monitillo used scraps for it: punched and laser-cut remnants from production. His tool: the welding machine. His theme: the encounter between humans and robots.

Because when the gripper hand is relieved and automated components contribute to the sustainable protection of resources, TRAPO provides a forward-looking answer to the shortage of skilled workers.

**Our core industries**

Packaging I Food | Pet food | Pharmaceutical & medical technology | Logistics & distribution systems | Automotive & wheel industry

**Founded in** 1957

**Managing Directors**

Enrico Pes (Managing DirectorSales & Operations)
Hubertus Rensing (Managing DirectorCommercial & Finance)

**Company headquarters** 48712 Gescher-Hochmoor / Germany

**Number of employees 180**

[**www.trapogroup.com**](http://www.trapogroup.com)