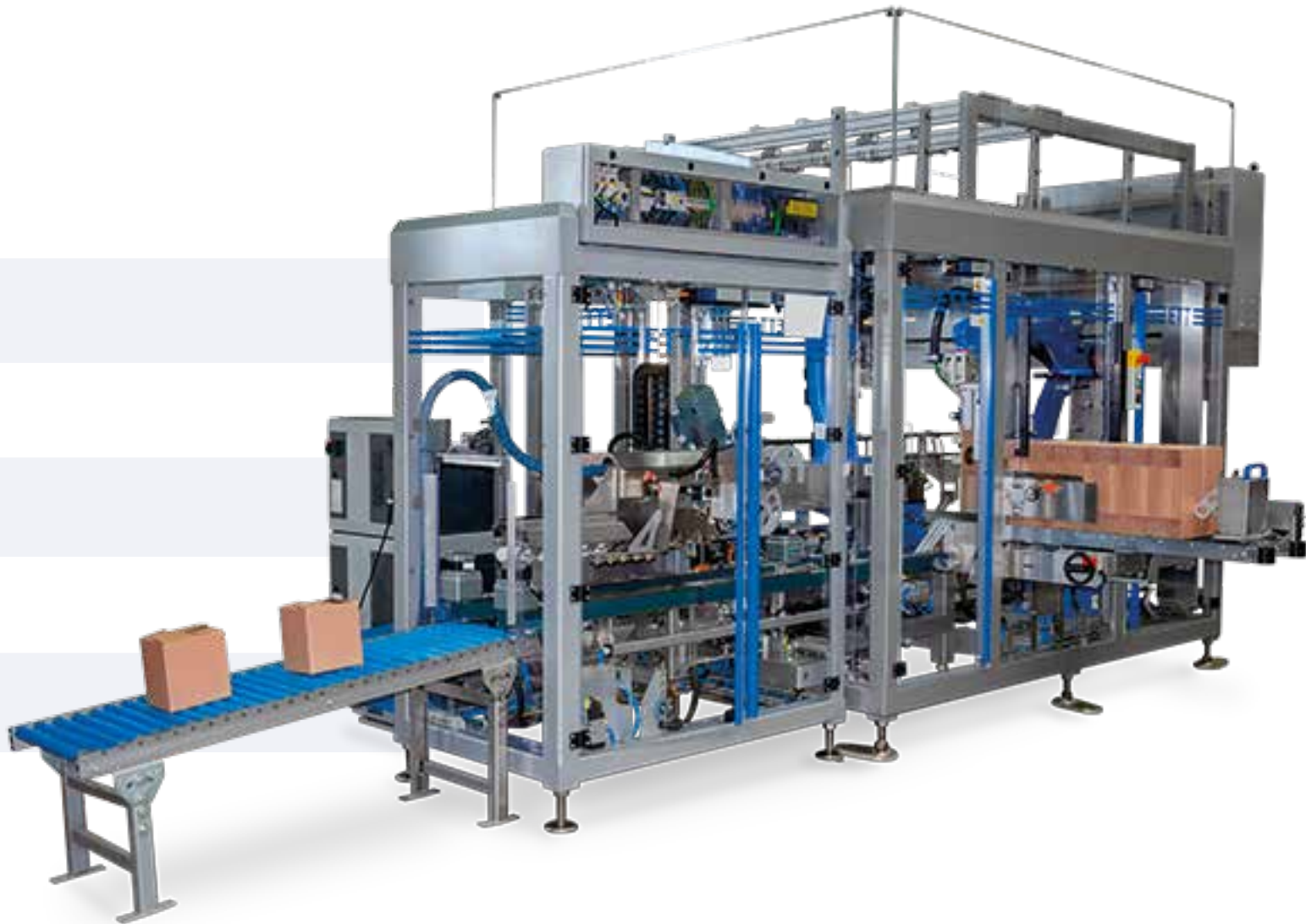
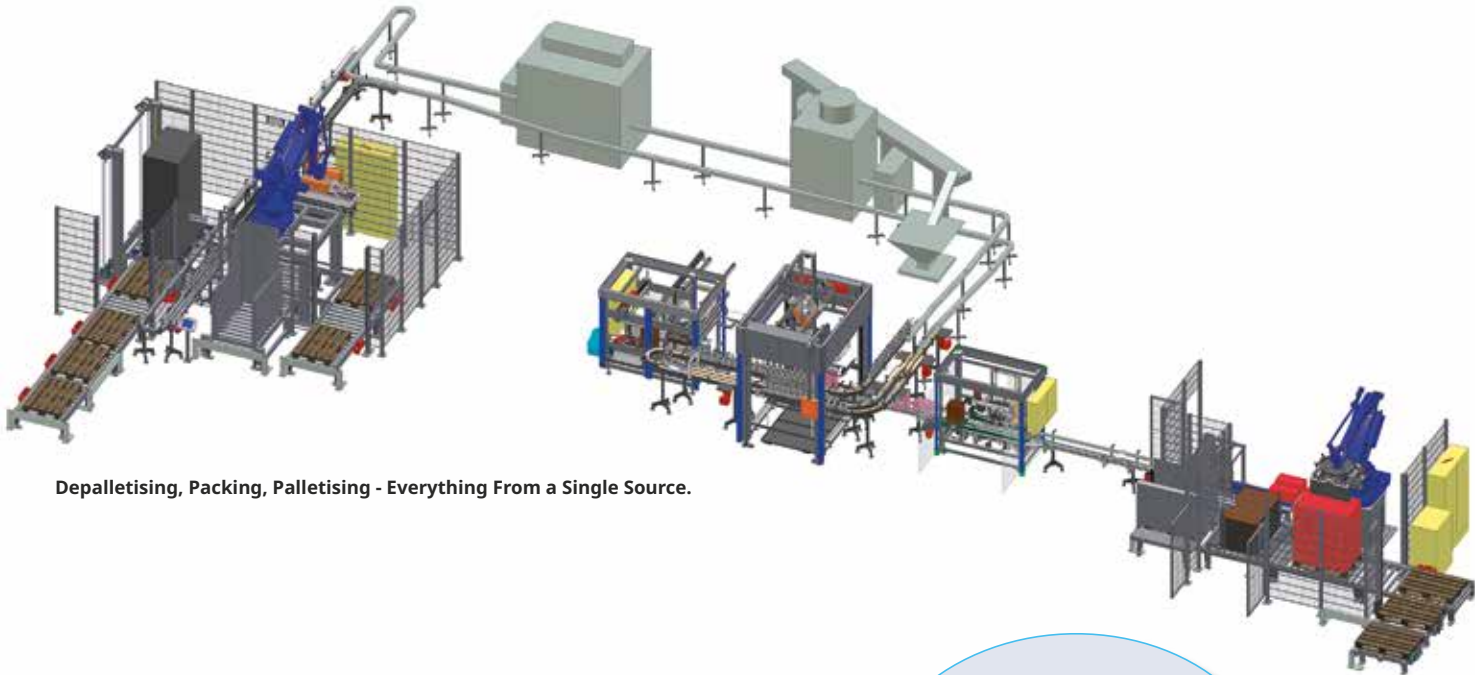




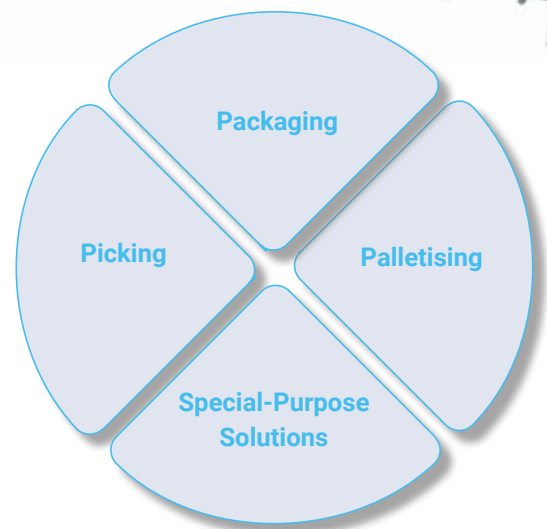
**EFFICIENT
PACKAGING-SYSTEMS**

OUR SOLUTIONS

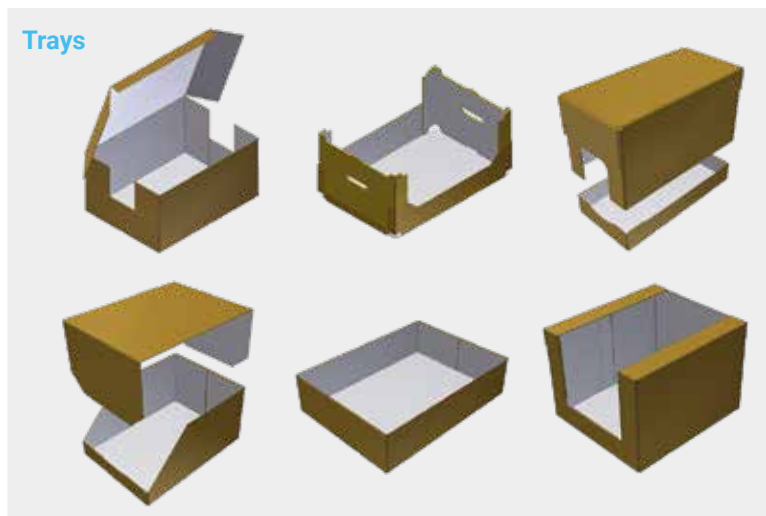


Depalletising, Packing, Palletising - Everything From a Single Source.

ETT OFFERS A WIDE VARIETY OF END-OF-LINE PACKING SYSTEMS ranging from high-end special-purpose lines to system modules, from palletising to automated distribution handling systems. ETT's range of machinery includes: compact monoblock packers, customised robotic systems, flexible product sorting systems and state-of-the-art wrap-around packing modules for promotionally effective shelf-ready-packaging.



Cases



Trays

Typical Packaging Design.



Nils Reich
Managing Partner

Jochen Seidler
Managing Partner

DEAR CUSTOMERS

Modern packaging is pressed to fulfill the logistical challenges whilst ensuring a promotionally effective design and easy handling. Our installations and system modules offer high-quality state-of-the-art solutions with a high potential for rationalisation and cost optimisation. All employees of ETT are highly motivated and experienced for creatively implementing their ideas and concepts. Each of our packaging systems provides the utmost effective solution for your individual requirements. This is what we work towards - every day.

With ETT you hit the ground running!

Jochen Seidler
Managing Partner

Nils Reich
Managing Partner

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LINES / SYSTEMS



End-of-line packing system for boxes with down-stream palletisation.

ETT's systems cover the entire **END-OF-LINE PACKAGING** process - from product transfer at the production lines case packing area through to the palletising system. These systems comprise of different modules, i. e. they are standardised but at the same time allow for project-specific applications. Our aim is to develop efficient automated solutions for loading products into transport packages that offer enough flexibility to meet future requirements.

YOUR BENEFITS

- Turn-key solutions for end-of-line packaging
- Automated processes
- Optimised cost-benefit ratio
- Long-lasting, flexible solutions



Standard Packaging Line.



High-speed Packaging Line.

PACKER



Standard packing module VP 10-2 with a lane divider.

YOUR BENEFITS

- Powerful
- Stainless steel models available on request
- Usable for the food and pharmaceutical industries/GMP, TPM
- Product-specific collating systems

The central element of each ETT packaging system is the modular, **HIGH-SPEED TOP LOADER VP 10-2**. Reliable servo drive technology guarantees precise and efficient case loading of various product types. Standardised basic machines, different types of collating systems and job-specific gripping equipment ensure fast, precise and secure case-loading of products.



Integrated packing module with collating scroll.



Packing of canisters with layer grouping device.

ROBOT PACKER RP 10-2



Robotic packing module RP 10-2 for flexible box handling.

PACKERS WITH 6-AXIS ROBOTS provide numerous possibilities for end-of-line packaging: products can, not only, be rotated or tilted as required but also picked up directly via line-tracking. Moreover, they are capable of inserting slip-sheets or small parts into the case.

YOUR BENEFITS

- Ideal accessibility
- Dynamic 3D-movements
- Flexible product handling



Robot packer RP 10-2 for packing wet wipes.



6-axis robot with line tracking for pouches.

ROBOBLOCK

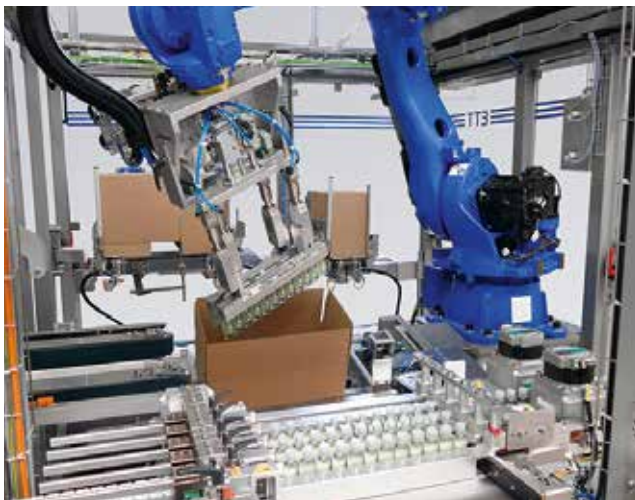


Flexible and compact robot packing system RB 07-2 with integrated case erecting and closing modules.

YOUR BENEFITS

- Optimal accessibility
- Minimal space required
- Flexible arrangement
- Optional automatized change-overs

Automation even for a lower capacity. The concept behind the **ROBOBLOCK** is effectively combining the erecting of cases and the packaging of the products in a compact and affordable set up.



Case magazine (in the background) and product collating unit (at the forefront) with robot handling head.



Robot loading products into the cases.

THE ART OF PICK & PLACE TECHNOLOGY



Packing of bags with multistep collating unit.



Packing of bottles with flowing lifting movement out of the screw collating unit.



Universal gripper head for depositing products into several cases at a time.



Packing of pouches with collating unit in a dual flighted chain.

ETT HAVE MASTERED THE „SOPHISTICATED ART“ OF PICK AND PLACE TECHNOLOGY.

ETT's packers can utilise their adjustable gripper heads enabling all types of products to be picked up safely and deposited with utter precision into secondary containers. **THE MAIN BENEFIT OF PICK AND PLACE TECHNOLOGY:** there are

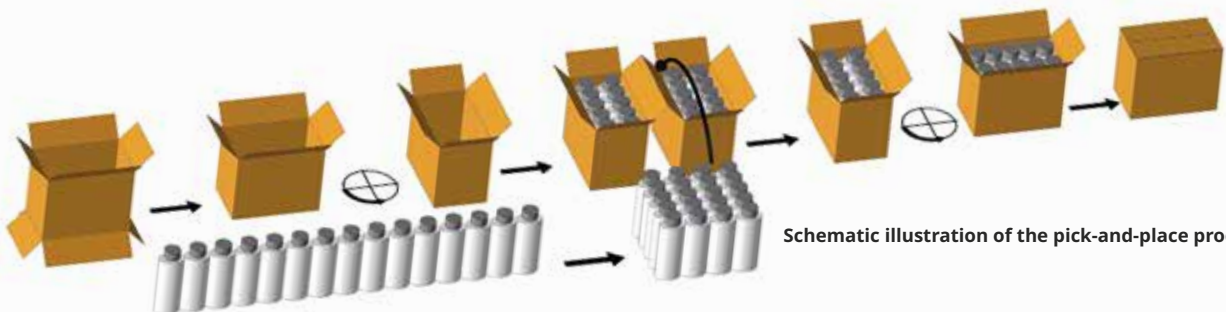
universal gripping heads for a variety of products - be these large or small, product-specific collating units such as scrolls, channel grouping systems, (multi-lane) pocket chain and special constructions.



Clamping jaw gripper head for boxes.



Special gripper for canister handling.



Schematic illustration of the pick-and-place process.

BAG PACKERS



Bag packer BP 30-3 for stand-up bags.

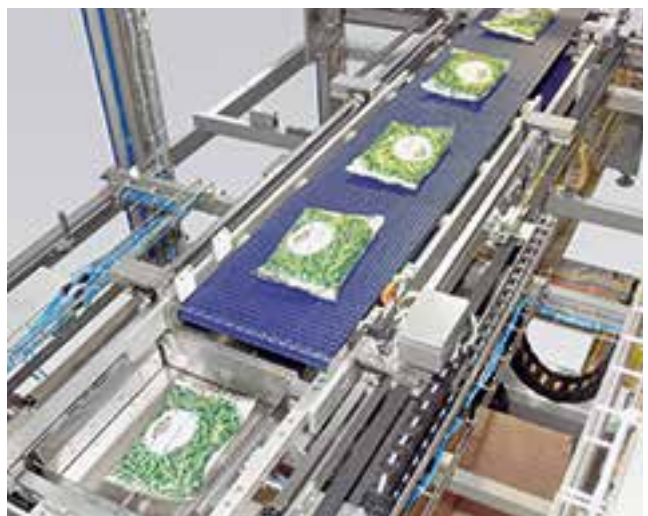
Efficiently, but gently **ETT'S BAG PACKER** loads goods packed in bags into secondary containers such as trays, cases or boxes. This machine is capable of handling products in vertical or horizontal position. These systems are available as single or twin modules to suit the application and speed required. ETT offer state-of-the-art bag packers for flat bags, block bottom bags and four-side sealed bags.

YOUR BENEFITS

- Efficiency
- Individual solutions
- Flexibility



Horizontal or vertical packaging of pouches.



Flexible packaging of pouch variations.

WRAPAROUND-SYSTEMS



Businesses have shown an increasing need for appealing shelf-ready packaging in promotionally effective units. These cases must be opened quickly and easily whilst maintaining an aesthetically pleasing appearance. ETT have responded to this trend with their innovative **WRAPAROUND PACKING SYSTEMS**: they offer various solutions for producing wraparound-packaging – both complete wrapping machines as well as multi-module systems for two-part packaging.

YOUR BENEFITS

- Promotionally effective product presentation
- Shelf-ready packaging
- Easy to open without tools



Compact system for producing two-piece cases.



Two-piece cases – reliable and promotionally effective packaging.



Intermittent wraparound machine
WP 30-2, blank magazine side.

Continuously high speed wraparound machine
WP 40-3. Intermittent wraparound machine WP
30-2 with automatic magazine equipping.



YOUR BENEFITS

- Flexible with high speed
- Easy format change
- Semi-automatic size changeover
- Integration in ETT total line

INVOLVO - PART OF THE ETT GROUP SINCE 2019

INVOLVO is a highly competent wraparound specialist. In combination with ETT Verpackungstechnik GmbH's mechanical engineering expertise and its sales channels in Germany and Europe, customers benefit from valuable synergies and competitive advantages.



Vertical Grouping.

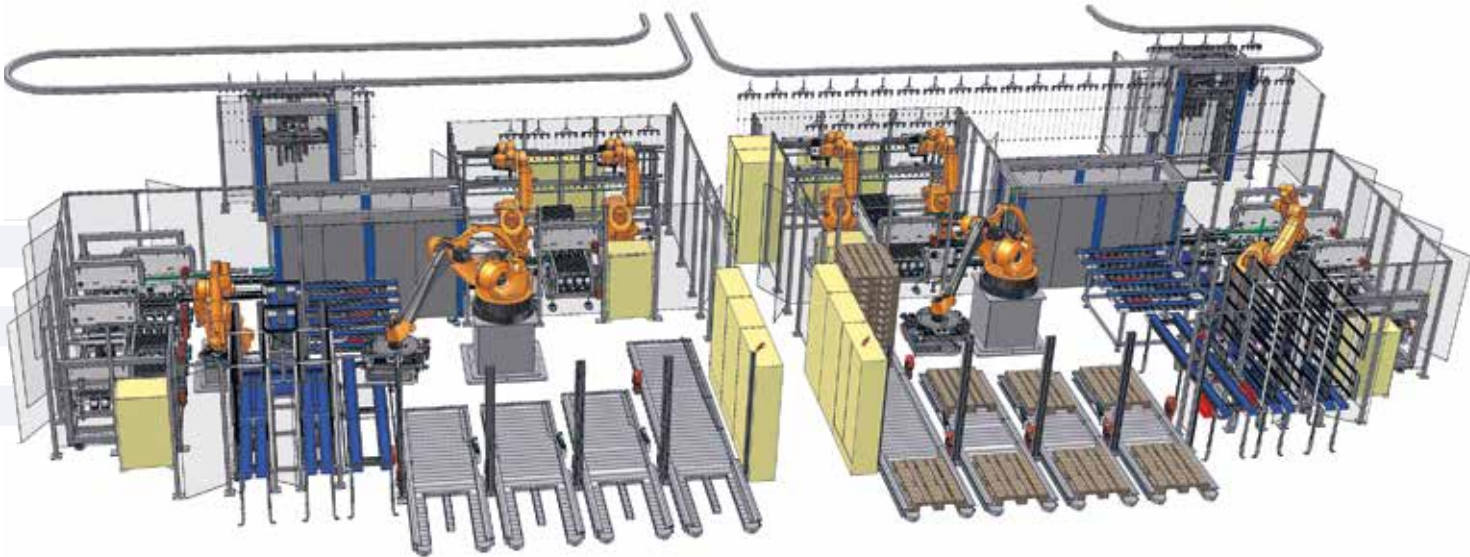


Multi-layered Grouping.



Flexible Grouping Station.

FLEXIBLE ROBOTIC SYSTEMS



Dynamic and reliable system with interlinked industrial robots.

SYSTEMS WITH ROBOTS CAN BE USED FOR NUMEROUS PACKAGING APPLICATIONS, such as picking and placing, transferring, case loading or distribution handling – the gripping head which is highly flexible on six axes offers new opportunities for end-of-line packaging. Another benefit of these systems: various applications can be combined into a compact design.

YOUR BENEFITS

- Handling of various sorts of products
- Space-saving systems
- Design, production and programming provided by ETT

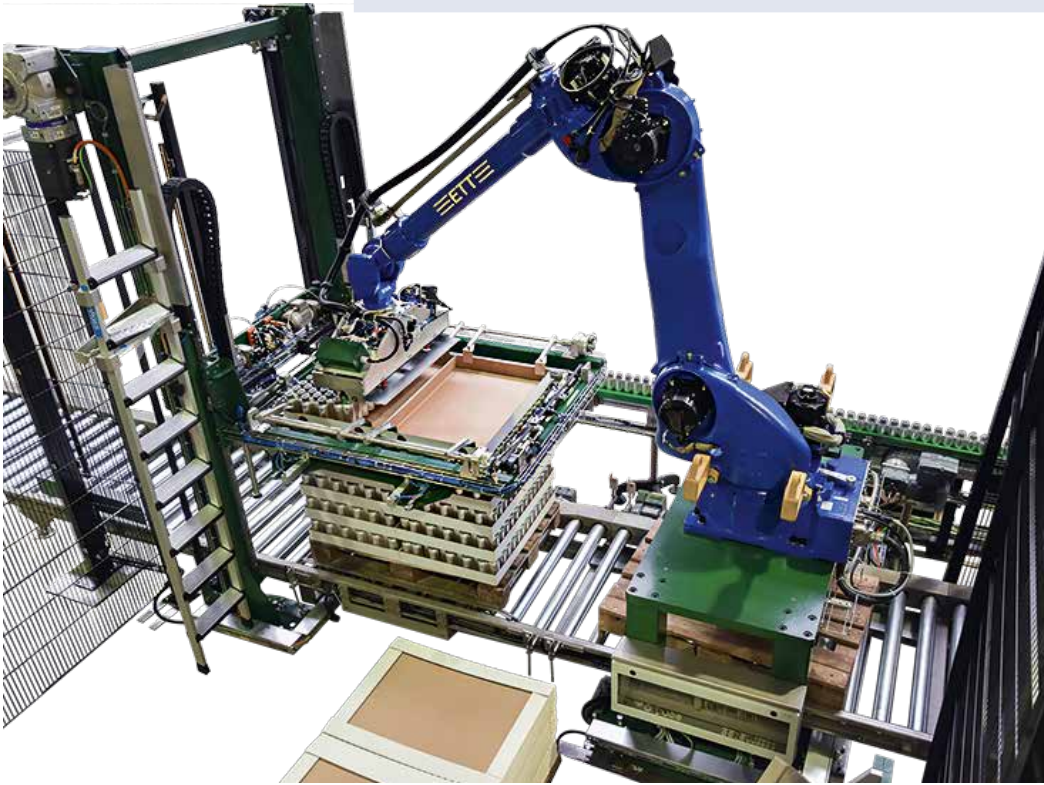


Automatic Cardboard Palletising.



Flexible Packaging with Automatic Changeover.

PALLETISING SYSTEMS



Palletising of empty aerosol cans.

ETT'S PALLETISING SYSTEMS are powerful, flexible and efficient solutions for stacking goods carefully onto pallets. Robot cells can be used for palletising goods from several production lines. Innovative gripping equipment ensures flexible and reliable palletisation of a large assortment of goods.

YOUR BENEFITS

- Space-saving robotic solutions
- Handling a large assortment
- Compact and versatile
- Palletisation from the long or short side of the pallet
- Magazines for empty pallets or slip-sheets

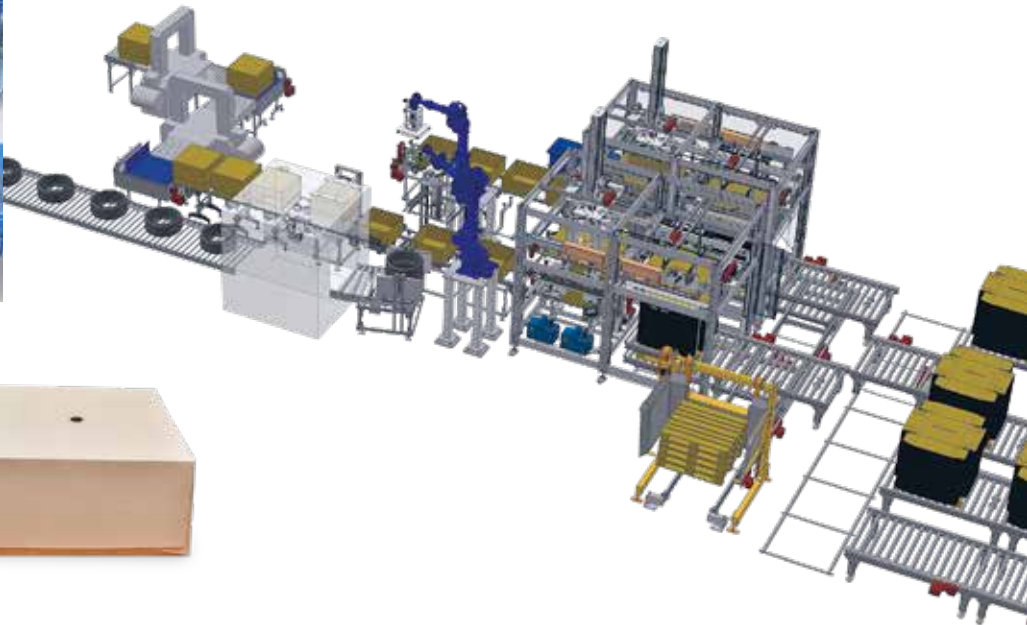


Robot palletising of cases.



Depalletising system for glass bottles used in the pharmaceutical industry.

SPECIAL-PURPOSE SYSTEMS



Packaging system for tyres as customer specific solution.

WHAT IS MOST APPRECIATED ABOUT ETT is their ability to quickly comprehend their customers' ideas and expectations and promptly develop and implement feasible solutions. In this process, ETT's strength in covering all areas requiring customised packing systems becomes even more apparent.

YOUR BENEFITS

- Covering all branches of production
- Custom-made systems based on standard modules
- Adaptation to customer- and trade-specific requirements
- Optimal adaptation to existing production structures



Total system for autoclaves loading / unloading in the pharmaceutical industry.

EXPERTISE



ETT's Team.



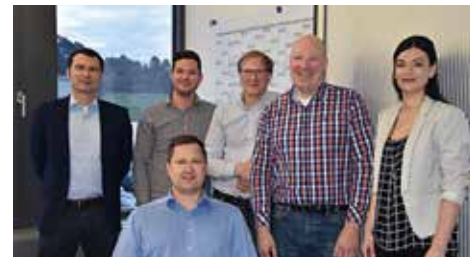
Design Engineering.



Pre-fabrication.



Programming.



Project Management.

WE ARE PROUD TO EMPLOY SKILLED AND CUSTOMER-ORIENTED TEAMS who commit themselves with great dedication and effort to meeting our customers' expectations. We update our knowledge through periodic internal and external training programs and offer optimal flexibility thanks to our high in-house production depth. Benefit from our know-how and secure your competitive advantages.

YOUR BENEFITS

- Advice, development, engineering
- In-house component production
- Mechanical construction
- Electrical installation, control system, programming
- Training, quality management
- After-sales service



Commissioning.



Training.



Documentation.



After-Sales Service.



HOME + BODYCARE



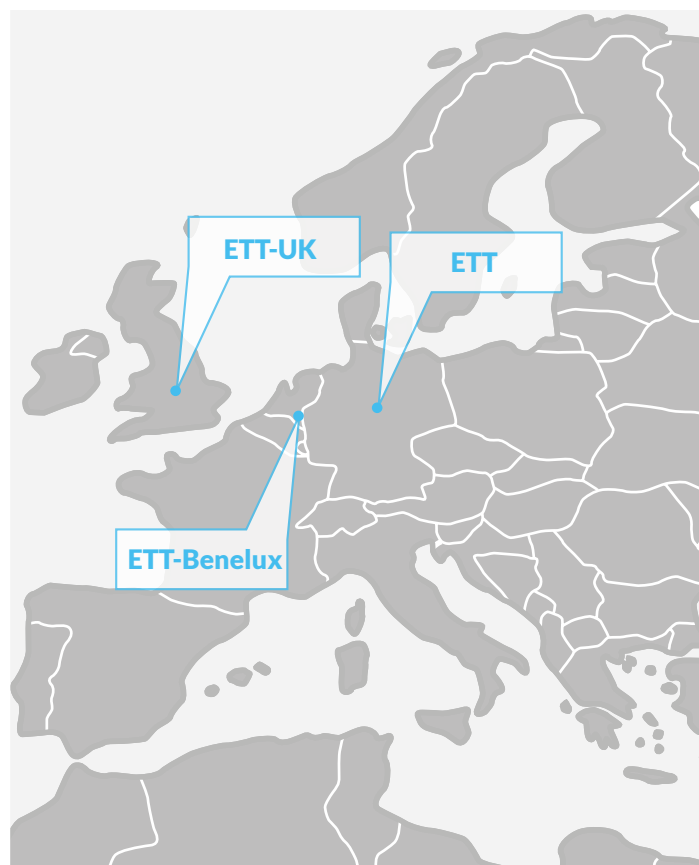
CHEMISTRY / MINERAL OILS



PHARMA



FOOD



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24H – SERVICES AND REMOTE MAINTENANCE

Our service team remains at your disposal providing you with advice and assistance at all times.

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ETT Sales Teams.