

AUTOMATED DE-/PALLETIZING

Flexibility meets precision

- Application can be integrated into an existing cell or conveyor control system without requiring a dedicated PLC
- Maximum load capacity: 25 kg for SLCs (Small Load Carriers), 20 kg for EPP containers and cartons
- Gripper weight: approx. 95 kg
- Custom-developed, modular multi-gripper for SLCs, EPP, cartons, and pallet lid removal in a single robotic tool
- No tool change required for different container types
- Independent of stacking pattern, size, type, and color
- Mixed pallets supported (no need for uniform loads)
- Detection of containers, intermediate layers, and foreign objects if necessary
- Automatically identifies issues such as blocked grip holes or lost loads
- Integration according to individual manufacturer and customer requirements as well as automotive quality standards
- Available features: single-label detection, empty box detection, fill level monitoring, etc.
- Seamless integration into conveyor systems, cell control, and production management

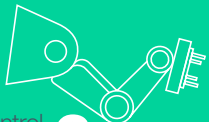
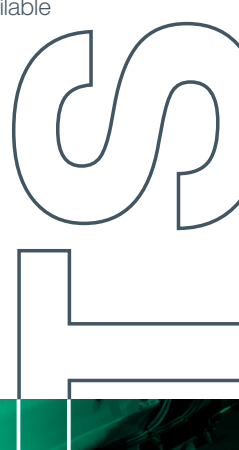


Fully automated de-/palletizing of small load carriers such as SLCs, EPPs, cartons, etc.



Do you use different containers? We are happy to assess their compatibility with our systems and develop custom solutions for you.

- System design compliant with CE and UL standards; additional certifications available upon request
- Turnkey integration without interface risks in the production environment
- Specialized in „Brownfield“ projects – we adapt to your existing setup
- Planning and execution according to customer standards and requirements
- Scalable scope of supply – from application-only to fully integrated robotic cells
- Additional modules such as conveyor systems, labelers, and scales can be supplied or integrated
- Compact design with excellent accessibility minimizes footprint and simplifies maintenance
- Various options and accessories available
- Comprehensive training and workshops available
- Different maintenance contracts available upon request
- We offer offline simulation, digital twin, and VIBN while following a continuous optimization process. Programs can be adjusted and copied during production, reducing commissioning times and simplifying the integration of new variants.



Control of up to **6** robots via a single PLC

Positioning deviation of up to **+/- 6°**

Cycle times can be reduced, and throughput increased through process optimization and system adaptation:

< 7 sec
for SLCs

< 9 sec
for EPPs and cartons



Contact us for detailed information on optimizing your processes and boosting efficiency.

