Pallet-to-Mixed Pallet solution

Körber's solution is a direct pallet-to-mixed pallet solution. This means that it eliminates the use of very costly technologies used for depalletizing, storage and conveying. The system is designed for high-density operations. The picking cell has a performance of 800 cases/h in only 600m2 and can easily be scaled up x4 and still fit inside an existing building.

A compact, automated solution that picks single SKUs directly from inbound pallets and builds stable, store-ready mixed pallets for shipment. It removes a major manual bottleneck while reducing space needs, labor dependency, and costly intermediate handling steps.

ROI
Strong business case when palletizing is the last manual bottleneck. In high labor-cost operations, ROI can be as little as four years.

Standard concept
The standard concept combines a Körber Gantry with two robotic case pickers with gripping tools, intelligent stacking software, and 20 AMRs for pallet transport. Cases are picked directly from source pallets and placed on the outbound mixed pallet. Typical footprint: 600 m2

Throughput
The standard solution with two robots per Gantry can pick up to 800 picks per hour.

Industries
This solution is especially relevant for FMCG, Food, Beverage, and 3PL.

Greenfield / brownfield relevance
Suitable for both greenfield projects and existing warehouses thanks to its compact footprint, modular design, and faster implementation than traditional tray-based mixed palletizing solutions.

Global installation
Built on proven Körber technology and global standards for scalable deployment across regions.



Benefits for you

- Direct pallet-to-mixed pallet flow. This means: no depalletizing, buffering, or fixed conveying.
- Built-in system redundancy
- Cost-effective automation for medium-throughput DCs
- AI-based stacking for stable, safe, retailer-compliant pallets
- Labor reduction, better order accuracy, and full traceability

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