



UMS
PALLET CIRCULATION
SYSTEM

Conveyor Technology



ECONOMICAL & FLEXIBLE: CONVEYING IN THE SMALLEST OF SPACES

Modular principle

The **UMS** pallet circulation system is based on the high-quality standard components of the **MiniTec** modular system.

The circulation system is therefore compatible with all components of our modular system. Supplements such as test stations, assembly stations or removal stations can be seamlessly integrated. Our experienced engineers will be pleased to support you in the planning and implementation of your conveyor systems as well as the adaptation to your special tasks.

The new pallet circulation system UMS

The new pallet circulating system UMS is a very economical solution with minimum space requirement for linking processing machines, workstations, handling devices or robot feeders. In the new system, the pallets are guided on precise linear guides with maintenance-free rollers. This ensures the exact positioning of the pallets and significantly reduces energy consumption. At the end of the conveyor section, the unloaded pallets are vertically deflected by a form-fit gripper and transported back hanging on the underside. The pallets can be stowed both on the conveyor level and during the return transport of the unloaded workpiece carriers (WT). The system can even be used as a suspension conveyor with pallet return on the top side. The pallets are driven by a continuously rotating central chain, the automatic chain tensioning ensures safe operation. At the insertion station, pallets can be added or removed from the system within minutes. The control effort for the UMS is very low, as no infeed or outfeed or deflection is to be programmed.



Form-fit pallet deflection



Insertion station for pallets



Linear guides as safe pallet carriers



Circumferential chain as drive