

Projektinformation

Robot Lines

Robotic empty pallet dispenser



View of the palletising area with four palletising robots and a linear portal robot for empty pallet distribution

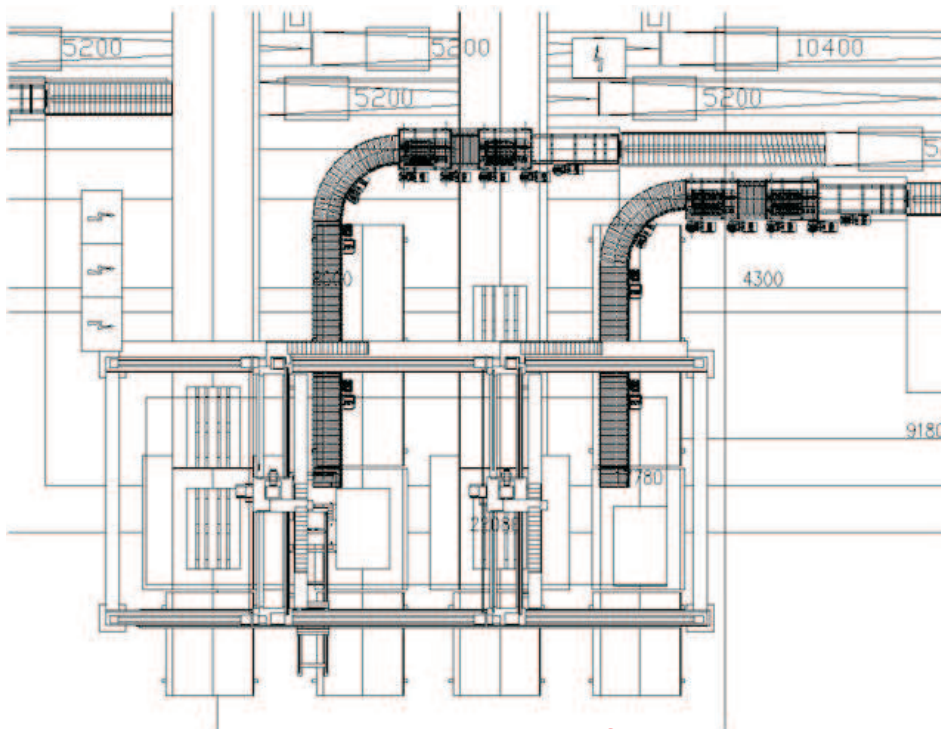
A business paper producer in Austria has installed a high capacity palletising system as part of expanding and renewing its complete logistics system with its links to its production and packaging of different office papers.

The robot system consists of the following high capacity line and supplies the following high-speed palletiser and four area portal FP 100 robots with empty pallets. These are taken from a high rise storage warehouse. The robot takes the pallet directly from the stack and supplies the required pallet type into production. 15 different places, therefore potentially 15 different pallet types can simultaneously be fed. Additionally, the robot is also able to depalletise buffer stored surplus goods when they are called off by a customer order. The capacity of the system is 179 empty pallets and 600 cartons an hour.

The line was installed in the autumn of 2004 and project managed by Hörmann-Logistik.



Line Layout



View of gantry robot layout

Project data

- Robot: 4 AreaPortal Robots FP100-4/ST in two frames together with separate layer pad applicator
- Size: 9 m x 4 m per line
- Output: max. 9,600 cartons/h
- Gripper: Flexible, vertical gripper to pick up cartons by row
- Special features: Special, format free robot pattern running with RO-Pack intelligent preparation of the pallet formation by conveying pallet places on scissor lifts to increase output.

