

Robot Technology



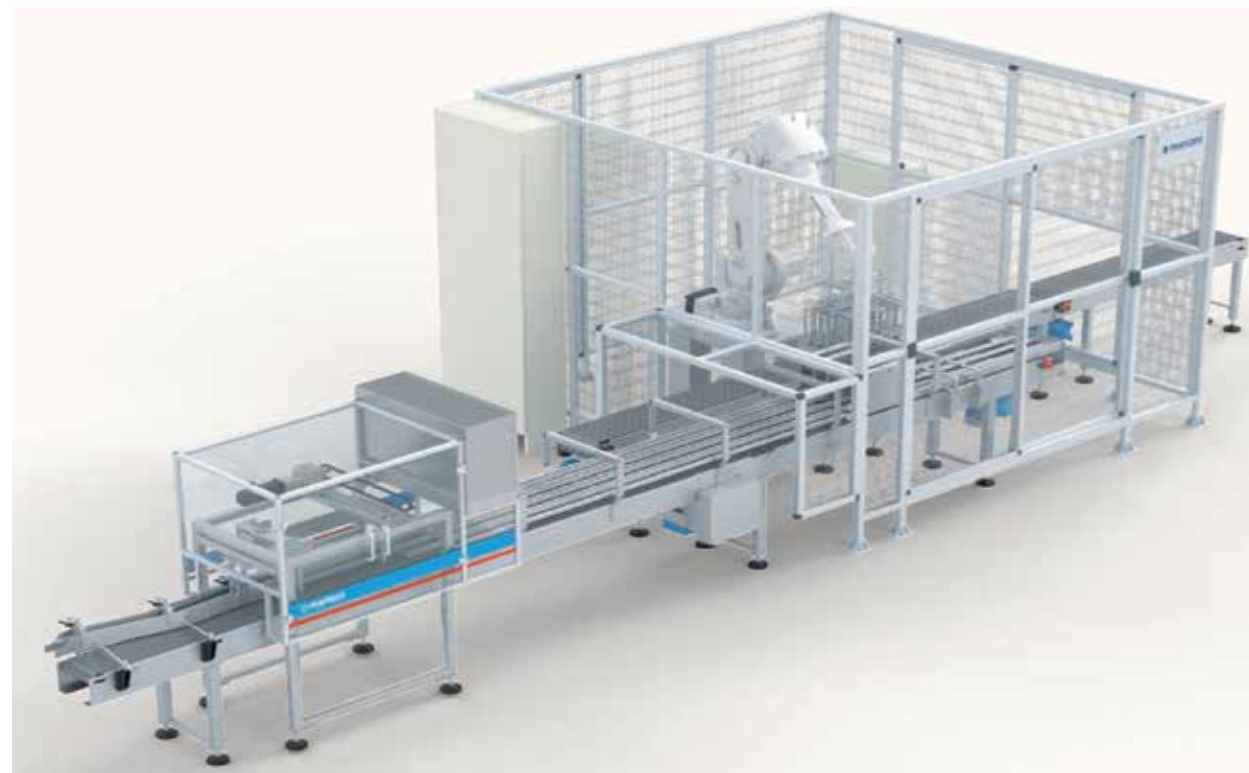
U-PACK PALLETIZER SERIES

Robot Case Packer/ Palletizer System

ROPALLETIN® Robot Case Packer/ Palletizer System



- Robot according to setting of the program and received workpiece position signal from each product line to automatic switchover different gripper program.
- All of the system unit control by PLC, it' s include exchange signal, collision signal, door closed signal, carton in position signal, pallet position signal and others logical relationship.
- Due to the system design and equipment configuration fully consider the security, so the workstation with high security.
- Operation, programme and training can be achieved by controller, controlling cable 10 meters long. The controller is KUKA version 5 controller. It embodied more than30 years experience of research and development of the robot technology and set a new benchmark for the automation industry. RobotWare OS is the strongest controller operation system currently on the market which using RAPID language and KUKA special movement technology and communication technology as a whole.
- Automated product line design, greatly reduce the labor intensity of workers.



ROPALLETIN® YZ- RS



Workstation process description :

The forming case will be delivered to case alignment station by product line, alignment device will give the signal to the robot after completed alignment, the robot will grip a case to the pallet position for palletizing, stack box feeding after stacking finished, empty pallet was supplied by stack machine and delivered to palletizing station.

Carton alignment and positioning device description :

Carton alignment consists of fixing position plate, push air cylinder and the controller system. Positioning, the effect is to make the robot grip the carton which setting and arrangement by the system, to ensure easy to grip and position accuracy.

Stack box feeding conveyor line description :

Stack box feeding conveyor line device use motor-driven transport form, The conveyor line will star when it receive the signal that stack box finished stacking, stack box will move out the palletizing station, then the cargo will delivered to the next station by mobile car, finally removed it manually.

Electrical system description :

Electrical control system including safety optoelectronic switch, safety lock, start button box, selective switch in different working condition and so on. This system' s control section with system control cabinet (PLC) control.



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