



Compact, mobile palletizer

The new R120 palletizing cell is compact, mobile and adapts easily to production changes. The unit is suitable for palletizing closed boxes within FMCG industries.

The semi-open palletizer integrates an advanced safety system for safe coexistence between the robot and operators. It will automatically slow down if an operator enters in the safety zone and only stop as necessary. This reduces unnecessary downtime and in addition, the two pallet positions create a seamless pallet exchange.

The mainframe doesn't need to be attached to the floor and can easily be moved.

With *Robot Config*, it takes less than 10 minutes to design and load a new pallet pattern; no programming is required. A remote

assistance package and helpline is available, for maintenance and troubleshooting.

BENEFITS

- No advanced programming or skills needed.
- Safe coexistence and continuous operations.
- Easy to integrate and relocate for a flexible production planning.
- Quick to configure and troubleshoot, reducing downtime and repair time savings.

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Technical specification

- Payload: Up to 15 kg
- Capacity: Up to 12 cycles/min
- Pallet height: Up to 2.2 m for EUR pallets and 2.0 m for INDU and US pallets.
- Product: Closed box (WxLxH) from 140x200x110 mm to 480x600x480 mm
- Footprint: 3.9x4.1 m including infeed
- Robot arm: KUKA KR20 R1810
Cybertech or FANUC M-20iA/35M
- Gripper: Suction cups, single or double pick
- Infeed conveyor: 24VDC roller conveyor (left, straight or right)
- 3x400VAC 50Hz 32A or 3x480VAC 60Hz 30A
- 6 Bar / 300 NI/min when vacuum is used
- SICK safety scanners and curtains
- Siemens or Allen-Bradley PLC
- PackML compliant
- Machine Directive 2006/42/EC and (EMC) Directive 2014/30/EU

Options

- Rigid interlayer module
- Robot Config (pallet pattern manager)
- Portable tablet
- Remote assistance package
- Preventive info package
- Data collection package

