

RI20 – Standardised Palletising Cell



Benefits

- › Continuous palletising
- › Space-saving footprint 4.2 m x 4.2 m
- › Increased production capacity
- › Safe coexistence with operators
- › Quick to configure and set up
- › Remote assistance package

The new RI20 palletising cell is compact, mobile and adapts easily to production changes. The unit is suitable for the continuous palletising of boxed products, ideal for fast-moving consumer goods industries. The two pallet positions create a seamless pallet exchange.

The semi-open palletiser 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 stops as necessary, reducing unnecessary downtime.

The cell doesn't require permanent attachment to the floor and can be moved. With Robot Config, it takes less than 10 minutes to design and load a new pallet pattern; no advanced programming skills required.

Technical specification

- › Payload: up to 15 kg
- › Capacity: up to 12 cycles / minute
- › Pallet height: up to 2.1 m
- › Footprint: 4.2 x 4.2 m including infeed
- › Min Product dimensions: 140 x 200 x 110 mm
- › Max Product dimensions: 480 x 600 x 480 mm
- › Power supply: 3x400VAC 50Hz 32A or 3x480VAC 60Hz 30A
- › 6 Bar / 300 NI / minute when vacuum is used
- › SICK safety scanners and curtains

Options

- › Infeed conveyor: 24VDC roller conveyor (left, straight or right)
- › Robot: KUKA KR20 R1810 Cybertech or FANUC M-20iA/35M
- › Gripper: Suction cups, single or double pick
- › Rigid interlayer module
- › Robot Config (pallet pattern manager)
- › Siemens or Allen-Bradley PLC
- › Preventive info and data collection package