

FLEXLINK®

a coesia company

RI20 Industrial Palletizer



Ensure seamless operations with our flexible, safe, and efficient end-of-line palletizing solution

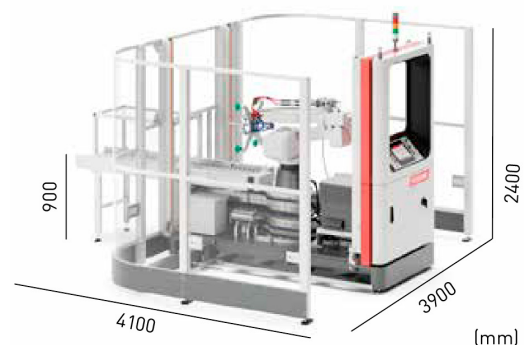
The **RI20 palletizing cell** is a **compact and movable solution** that easily adapts to changing production needs offering **maximum flexibility**. Designed specifically for palletizing closed boxes in FMCG industries, the unit ensures **safe and efficient interaction** between the robot and operators. If an operator enters the safety zone, the robot will automatically slow down, only stopping when necessary. This feature **minimizes unnecessary downtime** and ensures **uninterrupted operations**. Additionally, the two pallet positions enable **seamless pallet exchanges** for uninterrupted production. With its **freestanding design**, the RI20 doesn't need to be attached to the floor, allowing it to be **moved and repositioned with ease**. This adaptability makes it perfect for use across multiple production lines.

Easy end-of-line pallet programming for fast and efficient setups

The system offers **easy end-of-line pallet programming**, requiring no complex robotic software training, and allows for quick setup and changeover. Through a user-friendly graphical interface on the HMI, operators can configure pallet patterns by entering pallet data directly, without the need for complex programming. This makes it ideal for operations with a high variety of pallet configurations, as recipes can be created in advance and quickly loaded into the robot. This not only shortens changeover times but also eliminates the need for specialized robot programming skills.

Options

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





Safe and efficient robot-operator interaction for seamless operations



No advanced programming or skills needed



Easy to integrate and relocate for a flexible production planning



Quick to configure and troubleshoot, reducing downtime and repair time savings

Technical specifications

Payload	Up to 29 kg
Capacity	Up to 28 boxes/min, 12 robot 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-20iD/35
Gripper	Suction cups, Single, Double or Quad Pick
Infeed conveyor	24VDC roller conveyor (left, straight or right)
	3x400VAC 50Hz 32A or 3x480VAC 60Hz 30A
	6 Bar/ from 300 to 850 Nl/min depending on gripper 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

Flexlink
 info@flexlink.com
 flexlink.com

