

Collaborative Palletizers - RC Series

RC12 & RC20: Scalable solutions for modern end-of-line automation

FlexLink's RC12 and the new RC20 are **certified, standardized collaborative palletizing cells** engineered to make end-of-line automation **safe, fast, and compact**, while remaining exceptionally easy to use and relocate. Both systems allow operators to work **safely side-by-side** with the robot while significantly reducing floor-space requirements.

The RC12 offers **high speed and ease of use** for lighter loads, and the RC20 expands the range with **higher payload capability and speed**, both delivering the same intuitive operation, efficient installation, and global compliance across a broader set of applications. Both systems are engineered with **future regulatory developments in mind**, ensuring long-term operational confidence.



RC12 – Collaborative Palletizer

The RC12 is FlexLink's proven, **standardized collaborative palletizer** designed to be **fast, safe, and extremely easy to use**. Built on FlexLink's proven approach to have **integrated safety** features, it lets operators **work safely beside the machine** without the need of fences or scanners, making the operational footprint **extremely compact**, making it easy to relocate while keeping throughput high.



RC20 – Collaborative Palletizer

The RC20 expands FlexLink's collaborative palletizing portfolio with a **higher payload range**, enabling the palletization of **heavier boxes and higher throughput**, bridging the gap between lightweight collaborative and larger industrial palletizers, with the advantage of a **uniquely compact footprint**. It comes with the proven software package making it extremely easy to use and enable anyone to **achieve complex operation without any need for robotic expertise**.



**Safe and efficient
robot-operator interaction**



**Peak efficiency without
robotic expertise,
thanks to intuitive software**



**Easy to integrate and relocate
for a flexible production
planning**



Benefits

- **Standardized and open for customization:** The standardized base is designed for easy customization, allowing our RC series to be adapted to specific project requirements with minimal effort.
- **Unmatched safety, high throughput, and a compact operational footprint:** Our RC range is the safest of its kind available on the market, with advanced safety mechanisms that protect operators while maintaining high throughput, even when the operator is close by.
- **Easy robot configuration with Robot Config:** The intuitive software and user-friendly interface make it easy to operate, reducing the learning curve and minimizing downtime.

Key features

	RC12	RC20
Payload	Up to 10 kg	Up to 17 kg
Throughput	Up to 8 PPM (14 PPM with double-pick)	Up to 7 PPM (12 PPM with double-pick)
Max pallet height	Up to 2040 mm	Up to 2300 mm
Robot Arm	Omron TM12-S collaborative arm	Fanuc CRX20 collaborative arm
Footprint	~3.6m x 3.5m, conveyor, pallets and safety areas included	~2.3 x 3 m, conveyor and pallets included, safety area depending on selected option
Safety Concept	Certified collaborative design, no fencing or safety scanner needed	Certified collaborative design available in different options with safety scanners and fencing depending on requirement
Product size	From 150 x 150 x 100 mm to 600 x 400 x 500 mm	
Software	Robot Config — intuitive pattern creation in minutes	
Customization	Highly customizable base, grippers, scanners, pedestals, interlayers, easy programming with PLC, etc.	

Box weight, size, palletizing speed and pallet height needs to be confirmed with application.

Standard options

- Gripper: Single-pick or double-pick, safety enhanced
- Fixed and electrical pedestal options
- Palletizing and depalletizing modes
- Maintenance and emergency kits
- Remote assistance
- Docking station

Customization examples

- Custom gripper
- Reject stations
- QR/bar codes reading
- Rigid or flexible interlayers magazine, etc.

Certification

- Certification: CE certified, UL compliant

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