RC12, RC14

Easy palletizing with collaborative robot

The advanced palletizing cells from FlexLink are designed to cooperate safely with co-workers in a production or logistics environment. They are compact, quick to install and easy to configure. The use of a collaborative robot significantly reduces the footprint, by over 50% compared to cells with industrial robots. A fence system or cage is not needed and operators can safely work side by-side with the robot. The operating cost is low, with a two-in-one power supply of 110 V and 230 V. An internal vacuum pump is included which makes it possible to effortlessly move the palletizing cell. No external air supply is needed.

The smart design with quick connectors contributes to a fast and easy installation in only a few hours. A tablet application with intuitive interface ensure easy layer configuration, without any need for complicated robot programming.

Benefits

- Modular, easy to move
- Collaborative and continuous operations
- No fence system needed
- Fast ROI and low operating cost
- Easy to install and configure
- Easy line design and simulation

Standardized palletizing cell with collaborative robot

Technical specifications

- Single-pick or multi-pick vacuum gripper
- Adjustable in-feed conveyor height
- Control cabinet with single phase 110 / 230 V_{AC} power supply
- Integrated vacuum generation
- Quick relocation with docking station
- Easy pallet pattern generation with intuitive tablet application
- Productivity: 0.95 FTE / cell / shift

Parameters

- Capacity up to 8 or 14 parts per minute (PPM)*
- Box weight up to 10 or 12 kg***
- Box size from 150×150×100 up to 400×400×400 mm*** and 600×400×500 mm**
- Pallet height up to 2050 mm** or 1500 mm***
- Selectable conveyor lengths: 1.5, 2.1 or 2.7 m
- Footprint less than 10 m²
- Automatic rigid or flexible interlayer

*Depends on the gripper type
**with TM12 robot
***with TM14 robot

Standard configurations
Single infeed

Left   *Center left*   *Center right*   *Right*

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