



MECHANICS

The innovative high-precision linear guide system lets the RP45 achieve speeds, repeatability and sturdiness impossible for this class of robots until now.

INTEGRABLE

Designed with a modular expandable structure, the RP45 may be installed in an infinite series of configurations; incoming products may be palletized onto multiple pallets or several products may be palletized onto a single "picking" pallet. Integration with our automatically-guided "ProxCar" shuttle system allows these robots to be installed in series with completely automatic management of empty pallet loading and full pallet unloading.

SAFETY DEVICES

Depending on its configuration, the robot's safety is guaranteed by guards or, in the case of integration with the "ProxCar" shuttles, laser barriers that permit the passing of entering and exiting shuttles but prevent accidental access by operators.

CONTROL DEVICES

The robot's operation is ensured by an electronic system that controls the axes, made by Siemens. The benefit when using this controller is that the customer may take advantage of similarity with one standard, at this point defined in the European panorama, with the guarantee of quality, continuity, and highly effective technical assistance.



Gripping device



Pallet Outfeed

TECHNICAL SPECIFICATIONS

- ? **Number of controlled axes** 3-4 depending on configuration
- ? **Maximum height** 1,800 mm
- ? **Speed (palletization)** 6 packages per minute (asynchronous motors)
..... 10 packages per minute (brushless motors) with single gripper
- ? **Precision** 0.5 mm
- ? **Controls** Siemens logic control card
..... touch-screen display for settings
- ? **Simultaneous pallets** 1-5 depending on configuration
- ? **Product inputs** 1-5 depending on configuration
- ? **Load capacity** up to 50 Kg
- ? **Packages suitable for palletization** ... bags, boxes, bundles, and trays
- ? **Gripper** vacuum, mechanical or combined
- ? **Color** according to customer specifications
- ? **Optional devices** automatic pallet magazine
..... automatic interleaf feeder
- ? **Communication** Profibus-DP, Ethernet, RS-232/485 serial port
- ? **Protection** modular polycarbonate panels, arc-welded grid or
..... perimetric laser system for automatic shuttle access
- ? **Safety devices** Class 3