



Robot Palletiser

The CHRONO-PAL™ RPL Series robot palletisers are the most efficient robotic cells for virtually any palletising need. We have combined our innovative engineering and control capabilities with our state-of-the-art bag preparation and pallet handling technology to offer the best solution for any palletising application.

The gripper, manufactured and patented by CHRONOS BTH allows the RPL Series to satisfy the many different palletisation requirements of modern packaging.

Our robots can palletise up to 1700 bags per hour in a multi-pick up configuration. Our heavy duty robotic cell can simultaneously gather from up to four different incoming product lines. It can just as easily be configured to fit in tighter layouts to palletise one incoming product and is also really easy to clean. The system is characterised by the wide flexibility of use, and the low maintenance needs.





Robot Palletiser

FEATURES AND BENEFITS

- Simultaneous palletising of multiple bag sizes with optional automatic bag width adjustment system available on finger or multi-pick up grippers
- Custom grippers for bags, bundles, bales, boxes and cases
- Quick changeover of palletising patterns through stored recipes
- Collision guard software to prevent accidental damage to robot gripper or other equipment
- Automatic changeover (no mechanical adjustments) when combining the optional bag width adjustment system on finger or multi-pick up grippers and motorised guides on alignment conveyor
- User-friendly operator interface (color teach pendant) on robot controller with equipment and layout drawings for easy operation (external operator interface also available)
- Empty pallet and slip sheet handling by the robot itself
- 2.4 m high safety fences with interlocked access door
- Numerous layout configurations
- Unique DCS Speed and Position Check option used to limit robot motion for safety

NUMEROUS LAYOUT CONFIGURATIONS

Vacuum Gripper

Gripper for bales, bags or boxes using suction cups

Finger Gripper

Gripper for bags, can be supplied with optional automatic bag width adjustment system

Multi-pick up Gripper

A servo motor driven gripper, with the motor providing the fifth axis of the robot system. This gripper provides optimum alignment of the bags on the external side of the pallet

Bundle Gripper

Gripper for bundles with integral height measuring system to automatically compensate for product density variations

Bucket Gripper

A servo motor driven finger gripper, with the motor providing the fifth axis of the robot system

Drums and bags Gripper

Innovative mechanism, which incorporates a ring gripping system for drums and finger gripper for bags



OPTIONS

- Bag gripper with empty pallet pick up device
- Device to deposit slip sheets on the pallet and also in between the layers



TECHNICAL DATA

RPL-1700

Bag dimensions

Length: 400 to 1000 mm
Width: 200 to 500 mm
Thickness: 70 to 300 mm
Weight: Up to 150 kg

Production Rate

Up to 1700 bags per hour*

Layer

Up to 1300 x 1100 mm

Full-pallet load

Height: 2200 mm (including Pallet)
Weight: 2500 kg

Air Consumption

100Nl/min

Operating pressure

6 bar

Electrical requirements

400 V / 3 Ph / 50 Hz $\pm 10\%$

Operating temperature

+5° C to +35° C

Protection class

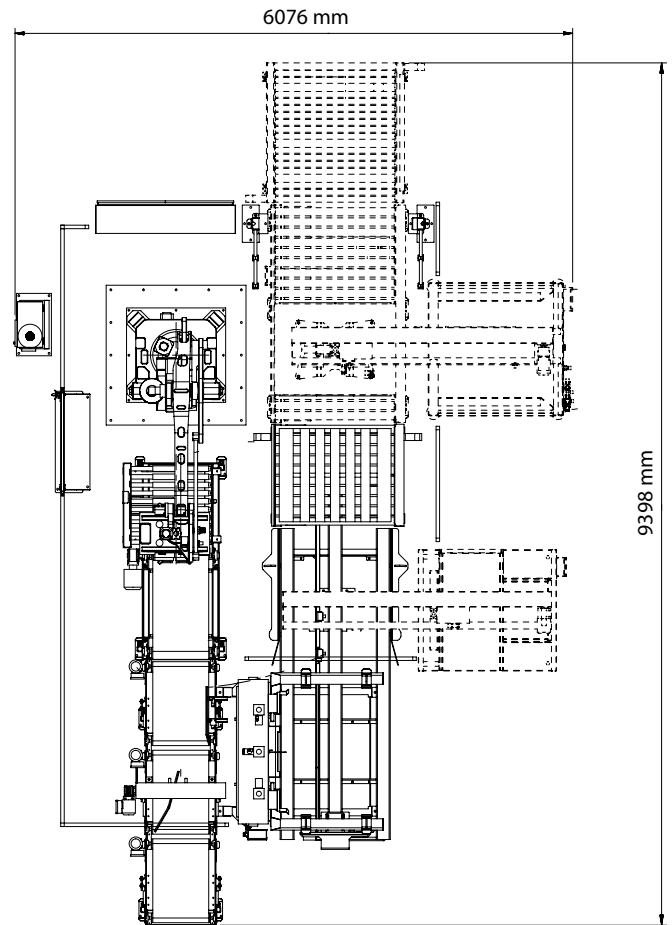
IP 55 equivalent

Noise level

80 dB (A)

* Depending on bag, characteristics, pallet height, layout configuration, etc.

TYPICAL LAYOUT



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