

CHRONOS • RPL-4000 Series

High-speed palletizing robot



High-speed palletizing robot



Model: RPL-4111

**FROM 20 TO 80 UNITS PER MINUTE
(1200 TO 4800 PER HOUR)***

*Depending on product characteristics, palletizing pattern, and machine configuration

Performance

Higher throughputs thanks to fully automated pallet and slip sheet handling allowing the robotic palletizer to focus solely on palletizing.

Versatility

Wide variety of end effectors to match your specific application requirements in terms of product size, weight, and speed.

Safety

Optimal safety features to protect your workers and your equipment as well as total control to create sturdy pallet loads.

Container types



Bags



Bales



Bundles



Cases



Trays



Totes



The RPL-4000 Series offers the highest automation and production rates thanks to dedicated systems that handle the pallets and the slip sheets, allowing the robotic arm to do its job: Palletize.

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Specifications



RPL-4111



RPL-4311

Production rate	Up to 23 bags per minute (1380 per hour) Up to 20 cases per minute (1200 per hour)	From 30 to 80 cases per minute (1800 to 4800 per hour)
Typical footprint	360" L x 230" W x 144" H (9144 x 5842 x 3657 mm)	391" L x 254" W x 144" H (9931 x 6451 x 3657 mm)
Infeed conveyor	1	1
Outfeed conveyor	1	1
Full pallet load	Up to 72" H (1828 mm) with 40" x 48" layer (1000 x 1200 mm)	
Operating temperature	41°F to 104°F (5°C to 40°C)	
Electrical requirements	460V / 3Ph / 60 Hz (other voltages available)	

Features

Carefully designed and robust end effector adapted to your applications

FANUC robot selected for its steady performance, speed, and flexibility

Automatic pallet dispenser that can house different pallet sizes

Palletizing conveyor, pallet positioning device, alignment conveyor, and pick-up conveyor included

Durable and low-maintenance components

Intuitive operator interface with 3D visualization for easy operations, pattern creation, fault detection, and troubleshooting

Safety fences, interlock doors, curtain lights, and approved safety management software included

Options

Finger, clamp, or vacuum end effector

Powered slip or top sheet dispenser for maximum speed

Stainless steel components to meet sanitary requirements and facilitate cleaning

Integration with third-party printers, labelers, pallet and product traceability, and more.

Multiple infeed conveyor configurations to meet your desired production rate

Stand-alone operating station which can be located anywhere along your production line

Additional options for bags

Rejection conveyor for non-compliant bags

Automatic bag width adjustment

Weight check system



Lifetime

Client Solutions

Premier Tech Client Solutions take a personalized approach to **lifecycle management**, creating enhanced solutions customized to your specific needs that develop your own capabilities and operational habits, and help you achieve and maintain productivity.

The Client Solutions' passionate team acts as a **partner** by maintaining constant collaboration and putting your interests at the heart of daily decisions throughout your equipment's lifecycle.

Our programs are designed to help you reach your highest **Overall Equipment Effectiveness (OEE)** and maximize your **Return on Investment (ROI)** by providing you with the most valuable lifecycle services in the industry focusing on critical areas such as **24/7 technical support, spare parts, field service, training, system assessments and optimization.**



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