# TURNKEY PALLETIZING SOLUTION

A permanent fix for your staffing woes

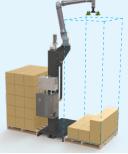
" The ROI was a slam dunk. Smoothest equipment installation I have seen in 28 years. "

—Greg Thayer, VP, Cascade Coffee

### AX Series

The AX Series uses a 7th axis as a linear transfer system to extend the robot's vertical reach. The AX Series excels by providing the fastest cycle times and highest reach of any comparable palletizing system—all in a compact footprint.







## PE Series

The PE Series, ideal for settings with fewer pallet height variations, makes the most of limited spaces by mounting cobots on a pedestal, which maintains high performance in compact areas.





Model
Payload
Reach
Throughput*
Pallet height*
Max pallet width
Max pallet depth
Num of box patterns
Gripper compatibility
Footprint
Software

AX30
27 kg (60 lb)
10 cycles/min
2750 mm (108 in)
1219 mm (48 in)
1219 mm (48 in)
Unlimited
All
≩ 2900 x 1766 mm
Robotiq Material Handling Copilot Software

AX20	AX10
18 kg (40 lb)	11.5 kg (25 lb)
10 cycles/min	13 cycles/min
3000 mm (118 in)	2750 mm (108 in)
1219 mm (48 in)	1219 mm (48 in)
1219 mm (48 in)	1219 mm (48 in)
Unlimited	Unlimited
All	All
≩ 2900 x 1766 mm	≩ 2700 x 1766 mm
Robotiq Material Handling Copilot Software	Robotiq Material Handling Copilot Software

PE20	
18 kg (40 lb)	
13 cycles/min	
2150 mm (84 in)	
1219 mm (48 in)	
1219 mm (48 in)	
Unlimited	
All	
≥ 2900 x 1766 mm	
Robotiq Material Handling Copilot Software	

PE20	PE10
18 kg (40 lb)	11.5 kg (25 lb)
13 cycles/min	13 cycles/min
2150 mm (84 in)	1550 mm (60 in)
1219 mm (48 in)	800 mm (31 in)
1219 mm (48 in)	1219 mm (48 in)
Unlimited	Unlimited
All	All
≥ 2900 x 1766 mm	≥ 2700 x 1766 mm
Robotiq Material Handling Copilot Software	Robotiq Material Handling Copilot Software

### Over 400 Robotiq Palletizing Solutions have improved factory productivity worldwide.

















**TALK TO AN EXPERT** 

Schedule time with an automation expert to discuss your requirements and kickstart your project.





1-888-Robotiq robotiq.com

Throughput and pallet height depend on various factors. Quickly assess feasibility with the Robotiq Online Configurator.

# SET UP YOUR APPLICATION IN 3 EASY STEPS

The Palletizing Solution is designed to make automation accessible, no matter your robotics knowledge level. All workers can operate and teach SKUs, risk-free.

Create a pallet pattern to automatically generate and optimize all trajectories and robot movements. The software stores hundreds of recipes (SKUs/pallets) for easier and faster changeovers.

How to set up grip position (2) Set label orientation [3]

Move Here (Robot) Move Here (Linear Axis)

Launching our first palletizing program took me less than 45 minutes.

— Alliora employee

ENTER BOX DIMENSIONS & WEIGHT **中 Ω 四** k 🗒 🕌 Q Command Graphics Variables Find Conta Offset 1 Robot Program **Palletizer** Find Surface 2 ♥ ▼ Palletizer Add before pallet Before pallet instructions' Use the rq is left pallet variable P ▼ Grip 250 mm ■ Vacuum Grip (1) 200 mm Do not delete the rq has box 150 mm = rq has box=rq is object dete Palletize - Vacuum Release (1) 4.2 kg payload Box position

Use the rg is left pallet variable

'Use the rq\_is\_left\_pallet variable

'After pallet instructions'

♥ ▼ Add after pallet

Grip Check

Gripper

SET PALLET PATTERN **争 Ω 🖾** k 🖫 🖺 Command Graphics 1 ▼ Robot Program Palletizer Waypoint 2 ♥ ▼ Palletizer 3 ♥ ▼ Add before pallet Direction Pattern configuration Before pallet instructions' Wait Use the rq is left pallet varial Set P ▼ Grip - Vacuum Grip (1) Popup Release Halt **:** rq\_has\_box≔rq\_is\_object\_dete Comment - Vacuum Release (1) Add between laver Number of layers 5 Use the rg is left pallet varia Current layer sequence: A-B-A-B-A P ▼ Add after pallet 'After pallet instructions' Use the rq\_is\_left\_pallet variab

