PALLETIZING

Precision
C O B O T I C S
Your Partner in Accessible Automation™

Earn An ROI Within Months Using a ROBOTIQ Palletizing Solution!
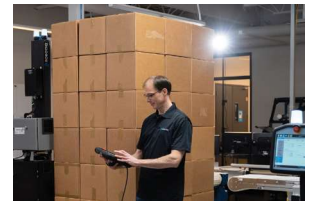
ROBOTIQ

SCALE PRODUCTION EFFECTIVELY

Highest Throughput

Software consistently optimizes trajectories to maximize cycle time for a solution that offers the greatest speed and highest payload capacity.

Compact

The human-sized solution fits easily within your existing floor space, and can work in hazardous, low-ceilinged environments.

EFFICIENT, HASSLE FREE IMPLEMENTATION

Precision Cobotics is an experienced Lean Automation Integrator, collaborating with trusted distribution channel partners to deploy ROBOTIQ palletizing solutions for your business. Our mission is to build relationships, solve problems and create value with our customers.

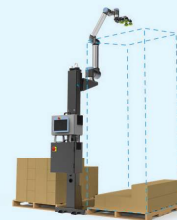## PRODUCT CONFIGURATIONS TO SUPPORT YOUR NEEDS

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	AX30	AX20	AX10	PE20	PE10
Payload	27 kg (60 lb)	18 kg (40 lb)	11.5 kg (25 lb)	18 kg (40 lb)	11.5 kg (25 lb)
Reach					
Throughput*	10 cycles/min	10 cycles/min	13 cycles/min	13 cycles/min	13 cycles/min
Pallet height*	2750 mm (108 in)	3000 mm (118 in)	2750 mm (108 in)	2150 mm (84 in)	1550 mm (60 in)
Max pallet width	1219 mm (48 in)	1219 mm (48 in)	1219 mm (48 in)	1219 mm (48 in)	800 mm (31 in)
Max pallet depth	1219 mm (48 in)	1219 mm (48 in)	1219 mm (48 in)	1219 mm (48 in)	1219 mm (48 in)
Num of box patterns	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Gripper compatibility	All	All	All	All	All
Footprint	≧ 2900 x 1766 mm	≧ 2900 x 1766 mm	≧ 2700 x 1766 mm	≧ 2900 x 1766 mm	≧ 2700 x 1766 mm
Software	Robotiq Material Handling Copilot Software	Robotiq Material Handling Copilot Software	Robotiq Material Handling Copilot Software	Robotiq Material Handling Copilot Software	Robotiq Material Handling Copilot Software

PALLETIZER PROJECT QUALIFICATION

Customer Name: **Location/Program:**

Project Timeline: **Priority:**

Production Budget: **Budget Approved:**

OPERATION	Palletizing or Depalletizing?		
	Current process - manual?		
BOXES	Dimensions (LxWxH) (in)		
	Weight (lbs)		Often in F&B boxes are filled beyond their gross weight. Consider weighing the box onsite.
	Labels - required facing out on pallet stack? (yes/no)		
	Material (corrugated cardboard?)		
	Boxes taped or glued?		
PALLET STACK	Pallet Dimensions (LxWxH) (in)		
	Slip Sheets and/or Tier Sheets (yes/no/what layers/ridge or thin)		
	# of Layers/ What is the pallet pattern?		
CELL	Box presentation on the existing conveyor - is it a repeatable position? (yes/no)		
	Are guide rails required?		
	Will back pressure be an issue?		
	Cycle time required (boxes/min)		
EXTRA COMMENTS	Any location concerns: humidity, temperature, space constraint, etc.?		

UNIVERSAL ROBOTS
Certified System Integrator

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