

Accomplish More with OMRON's iX3 Parallel Robot Packaging Solution

OMRON has introduced a high-speed parallel robot for faster and more flexible picking and packaging applications.

The iX3-565 boasts a payload of 8kg, and excels at high-speed applications in packaging, manufacturing, and pharmaceutical industries.

Key features include:

- Tracks up to a conveyor speed of 1.4 m/s.
- Designed with a high payload to support multi-hand (multi-picking).
- Extended vertical reach allows for a 12.7 ft. workspace, enabling a wider variety of packages to be used.
- EtherCAT connectivity to the OMRON NJ501-R controller and programming through the familiar IEC 61131-3 programming language or scripting.

High-speed and flexible.

OMRON has taken efficiency to the next level with the iX3 parallel robot. This powerful robot supports integrated high-speed conveyor tracking, powerful vision guidance, and easy-to-use application software created specifically for the packaging market. Designed with a high payload, the iX3 is used for multi-picking and for faster pick and place applications.

Expanded material-handling.

The iX3 is the complete solution when it comes to packaging both primary and secondary food. It features a hygienic design that minimizes contamination risks, including a standard IP65-rated work area and corrosion-resistant materials for easy wash-down. With the iX3, OMRON provides a safe solution for handling food and beverage products.



OMRON iX3 Parallel Robot

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Product Name			iX3			
	Size		565			
	Number of Axes		3 Axis		4 Axis	
	IP		Standard	IP65/67	Standard	IP65/67
Part Number			RX3-2065600	RX3-2065610	RX3-2065604	RX3-2065614
Mounting			inverted			
Working Volume	X, Y axis (stroke)		1130 mm			
	Z axis (stroke)		425 mm			
	theta axis (rotation angle)		-		±360 degrees	
	Maximum Payload		8 kg		3 kg	
Repeatability			±0.10 mm			
Cycle times, sustained, 20 ° ambient	Payload 0.1 kg		0.32 s		0.35 s	
	Payload 1.0 kg		0.34 s		0.37 s	
	Payload 3.0 kg		0.38 s		0.42 s	
Power Requirements			24 VDC: 6 A 200 to 240 VAC: 10 A, single-phase			
Protection	Base	Topside of robot	IP20	IP65	IP20	IP65
		Underside of robot	IP65			
	Platform, Arms			IP67		
Environment Requirements	Ambient Temperature		1 to 40 ° C			
	Humidity Range		5 to 90% (non-condensing)			
Weight			52 kg			

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