

Achieve more by seamlessly integrating the robust i4H into your production line today

Introducing the i4H, OMRON's newest SCARA robot.

Unique features enable OMRON's latest SCARA line to meet today's demands of mass customization. It also allows manufacturers to produce high mixes of products at low volume which provide a wider array of goods to people. The i4H steps in to help deal with labor shortages and shorter product life cycles by utilizing its robust design, fast cycle times, and the world's best preventative maintenance features.

Heavier payload.

The i4H comes in at a hefty payload capacity of 15 kg, which is an ideal solution for industries such as food & beverage, consumer, and auto. The i4H is great for palletizing, pick & place, and machine loading/unloading applications.

Take advantage of maximized uptime

Customers are able to mitigate any unplanned downtime and prevent accidents by using the best built-in interactive maintenance features. The i4H is equipped with a first ever on-board display and health lighting indicator.

Seamless integration.

OMRON's EtherCAT module is connected directly on the robot arm. Integrating the EtherCAT enables synchronization between other automation devices and facilitates advanced assembly, inserting and mounting processes that require high accuracy and demanding throughput.



OMRON i4H SCARA Robot

OMRON



Product		i4-650H		i4-750H		i4-850H	
Reach		650mm		750mm		850mm	
Maximum Payload		15kg		15kg		15kg	
Quill Length		210mm	410mm	210mm	410mm	210mm	410mm
Repeatability	XY (mm)	±0.015		±0.025		±0.025	
	Z (mm)	±0.01		±0.01		±0.01	
	Theta (deg)	±0.005		±0.005		±0.005	
Cycle Times*	Burst (s)	0.44		0.44		0.44	
	Sustained (s)	0.48		0.54		0.54	
	Blended Burst (s)**	0.37		0.37		0.37	

*Adept cycle, in mm 25/305/25 (seconds, at 20C ambient) with 2.0kg payload

**Fast cycle, in mm (25/305/25) (seconds, at 20C ambient) with 2.0kg payload but with arc motion

Designed to meet the industry's latest requirements, our i4H SCARA is designed to seamlessly integrate into a manufacturer's production line.

Key Features

- 15 kg payload capacity.
- 650, 750, 850mm reach options
- Standard & Long Quill lengths
- Visual display on base
- Health lighting indicators

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