

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.

Seamless integration

OMRON i4H SCARA robots come standard with ENET protocol. OMRON's optional EtherCAT module can be connected directly on the robot arm. Integrating the EtherCAT using the OMRON NJ PLC enables synchronization between other automation devices and facilitates advanced assembly, inserting and mounting processes that require high accuracy and demanding throughput.

Food Grade Edition

OMRON has added IP20 food grade & IP65 food grade robots to your automated solution. These industrial robots utilize high-performance extreme pressure lubricants specially developed for the grease lubrication of machinery in the food & beverage industry. The IP65 utilizes a food grade grease and oil that is NSF H1 registered, ISO 21469 certified, and ideal for secondary packaging requirements.

Cleanroom Edition

Address your electronic needs with OMRON's ESD/Cleanroom i4H industrial robot. These models are Cleanroom rated for Class 4 (ISO Standard 14644) and are ideal for applications requiring minimal particle contribution. Prevent electrostatic discharges and optimize performance needs with the i4H.



OMRON i4H SCARA Robot

OMRON

Key Features

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



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

Product		i4-650H		i4-750H		i4-850H	
Reach		650mm		750mm		850mm	
Maximum Payload				15kg			
Quill Length		210mm	410mm	210mm	410mm	210mm	410mm
Repeatability	XY (mm)	±0.015					
	Z (mm)	±0.01					
	Theta (deg)	±0.005					
Cycle Times*	Burst (s)	0.41		0.39		0.39	
	Sustained (s)	0.45		0.46		0.50	
	Blended Burst (s)**	0.32		0.31		0.31	
Protection	IP20, Standard Lubrication	IP20 / NEMA Type 1					
	IP20, Food-Grade Lubrication						
	IP65, Food-Grade Lubrication	IP65 / Type 4					

*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

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