

Expand material-handling applications with OMRON's i4L SCARA robot

The i4L is a compact SCARA robot which offers strong performance at the lowest cost of ownership.

The i4L robot is capable of high speed, high-precision motion with payloads up to 5kg. Its compact design and flexible programming make it ideal for a wide variety of robot applications including digital assembly.

Simple integration.

The i4L offers simple integration within a compact design and footprint. Installation is simple since the robot can be mounted on a horizontal surface (table mount) or a vertical surface (wall mount) without the need for additional adapters or brackets. Cable connections can be arranged so that they exit through the mounting surface or are parallel to the mounting surface.

Optimize your line with maximum uptime.

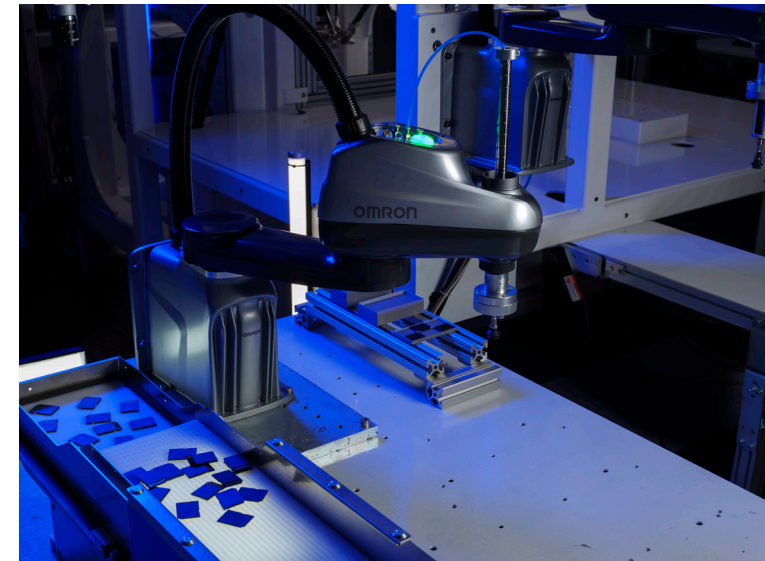
The i4L helps maximize uptime by means of interactive maintenance alarms and an RGB dome light. The i4L robot diagnoses problems faster with its unique and highly visible multi-colored LED light dome which provides predictive maintenance and convenient indication of the robot status.

The best performing industrial robot solution for your factory.

The i4L offers high-end inertia and repeatability for a light duty SCARA robot, providing all the performance necessary for your application. Get to work faster with simple integration, and synchronization by deploying multiple robots and reducing set up complexity and programming time.

More options than ever before.

OMRON has taken our standard SCARA robot to the next level by appealing to a variety of applications allowing for more productivity within the workplace. The i4L's speed helps to expedite material handling and helps to reduce material costs, while freeing human resources for other tasks that maximize productivity.



OMRON i4L SCARA Robot

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Product		i4-350L	i4-450L	i4-550L	
Reach		350mm	450mm	550mm	
Maximum Payload		5kg			
Quill Length		180mm	180mm	180mm	350mm
Repeatability	XY (mm)	±0.01	±0.01	±0.01	±0.01
	Z (mm)	±0.01	±0.01	±0.01	±0.01
	Theta (deg)	±0.01	±0.01	±0.01	±0.01
Cycle Times*	Burst (s)	0.54	0.48		
	Sustained (s)	0.57	0.57	0.54	
	Blended Burst (s)**	0.45	0.42	0.38	

*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



Key Specifications:

- 5 kg payload capacity.
- 350 mm, 450 mm, and 550mm reach options
- Weight for 350mm/450mm = 15kg
- Weight for 550mm (180 mm quill) = 16.38kg
- Weight for 550mm (350mm quill) = 16.52kg

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