

OMRON ROBOTICS

AUTHORIZED DISTRIBUTOR

WHY OMRON ROBOTICS?



Complete Automation Expertise

90+ years of manufacturing automation solutions



Global Support Network

Worldwide presence with local support across multiple continents and regions



Seamless Integration

Integrated robots and machine control with 200,000+ products



Application Testing

Feasibility studies with simulations, real product testing, and cycle time analysis



Rapid Changeover

Software automatically generates code for fast production changes



Maximize Throughput

Synchronize machine control with vision-guided robots for optimal performance

SCARA ROBOTS

Engineered for Speed, Accuracy, and Reliability

Omron's SCARA robots deliver high-speed precision with ± 0.01 mm repeatability. Built-in controllers save floor space and integrate seamlessly with Omron ACE and Sysmac automation platforms.



OMRON ROBOTICS PRODUCT RANGE OVERVIEW

WIDE VARIETY OF ROBOTS TO FIT ALL NEEDS

TM S Series



OMRON TM5S

Payload (kg)	5
Reach (m)	0.9
Protection	IP65 (Robot Arm), IP54 (Control Box & Stick), ISO Class 3
Mounting	Wall, Table, Ceiling



OMRON TM6S

Payload (kg)	6
Reach (m)	1.8
Protection	P65 (Robot Arm), IP54 (Control Box & Stick), ISO Class 3
Mounting	Wall, Table, Ceiling



OMRON TM7S

Payload (kg)	7
Reach (m)	0.7
Protection	IP65 (Robot Arm), IP54 (Control Box & Stick), ISO Class 3

Mounting: Wall, Table, Ceiling



OMRON TM12S

Payload (kg)	12
Reach (m)	1.3
Protection	IP65 (Robot Arm), IP54 (Control Box & Stick), ISO Class 3
Mounting	Wall, Table, Ceiling



OMRON TM14S

Payload (kg)	14
Reach (m)	1.1
Protection	IP65 (Robot Arm), IP54 (Control Box & Stick), ISO Class 3



OMRON TM20S

Payload (kg)	20
Reach (m)	1.3
Protection	IP65 (Robot Arm), IP54 (Control Box & Stick), ISO Class 3

Mounting: Wall, Table, Ceiling



OMRON TM25S

Payload (kg)	25
Reach (m)	1.902
Protection	IP65 (Robot Arm), IP54 (Control Box & Stick), ISO Class 3
Mounting	Wall, Table, Ceiling



OMRON TM30S

Payload (kg)	30
Reach (m)	1.702
Protection	IP65 (Robot Arm), IP54 (Control Box & Stick), ISO Class 3

LD Series



LD-60

Payload (kg)	60
IP Rating	IP20
Protection	ISO 5 / Class 100



LD-90

Payload (kg)	90
IP Rating	IP20
Protection	ISO 5 / Class 100



LD-250

Payload (kg)	250
IP Rating	IP20
Protection	ISO 5 / Class 100



iX3

Payload (kg)	8 (3-axis), 3 (4-axis)
Working	
Diameter (mm)	1130
Cycle Time (s)	0.32-0.42
Protection	IP20, IP65, IP67



iX4

Payload (kg)	15 (650), 10 (800)
Working	
Diameter (mm)	1300 (650), 1600 (800)
Cycle Time (s)	0.30-0.61 (650), 0.33-0.62 (800)
Protection	IP20, IP65, IP67



Viper

Payload (kg)	5.0
Reach (m)	653 mm (Viper 650) 855 mm (Viper 850)
Protection	IP40, IP54, IP65



i4L

Payload (kg)	5
Reach (m)	350, 450, 550
Protection	IP20, NEMA Type 1



i4H

Payload (kg)	15
Reach (m)	0.65, 0.75, 0.85
Protection	IP65, IP20, NEMA Type 1, Cleanroom C10, ESD, Food-Grade



eCobra

Payload (kg)	5.5
Reach (m)	0.60, 0.80
Protection	IP20, Cleanroom, Class 10



iPF-240

Part size range	5-40 mm
Hopper capacity	3 L / 12 kg max
Vibration frequency	40-70 Hz
Max part weight	400 g



iPF-380

Part size range	16-60 mm
Hopper capacity	7 L / 12 kg max
Vibration frequency	20-30 Hz
Max part weight	1500 g



iPF-530

Part size range	30-150 mm
Hopper capacity	14 L / 19.5 kg max
Vibration frequency	20-28 Hz
Max part weight	2000 g

MD Series



MD-650

Payload (kg)	650
Max speed (mm/s)	2200
Protection	IP22 (IP10 for charging pads)



MD-900

Payload (kg)	900
Max speed (mm/s)	1800
Protection	IP22 (IP10 for charging pads)

HD Series



HD-1500

Payload (kg)	1500
Max speed (mm/s)	1800
Protection	IP20



OL-450S

Payload (kg)	450
Max speed (mm/s)	1200
Protection	IP20

