

# 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  $\pm 0.01\text{mm}$  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 TM55

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



#### OMRON TM65

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



#### OMRON TM75

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



#### OMRON TM125

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



#### OMRON TM145

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



#### OMRON TM205

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



#### OMRON TM255

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



#### OMRON TM305

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

### 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

### Parallel Robots



#### 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

### Industrial



#### Viپر

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

### SCARA Robots



#### i4L

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



#### i4H

**Payload (kg)** 15  
**Reach (m)** 0.65, 0.75, 0.85  
**Protection** IP65, IP20, NEMA Type 1, Cleanroom C10, ESD, Food-Grade  
**Mounting** Table, Inverted, Wall-mount



#### eCobra

**Payload (kg)** 5.5  
**Reach (m)** 0.60, 0.80  
**Protection** IP20, Cleanroom, Class 10  
**Mounting** Table, Floor

### Industrial Part Feeders



#### 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 Series



#### OL-450S

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