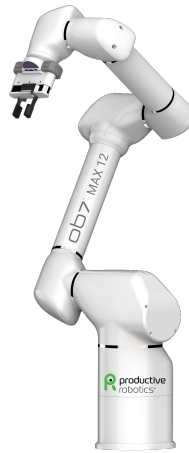


OB7 Robot Comparison


OB7

OB7-Max 12

OB7-Max 8

Payload:	11 lbs / 5 kg	26 lbs / 12 kg	17 lbs / 8 kg
Reach:	1000 mm	1300 mm	1700 mm
Weight:	58 lbs / 22 kg	127 lbs / 58 kg	128 lbs / 58 kg
Repeatability:	+/- 0.1 mm, .004"	+/- 0.1 mm, .004"	+/- 0.1 mm, .004"
Flexibility:	7 joints	7 joints	7 joints
Speed:	0-2+ m/sec	0-2+ m/sec	0-2+ m/sec
IP Class:	IP 61	IP 61	IP 61
Joint Ranges:	+/- 360° (all)	+/- 360° (all)	+/- 360° (all)
Programming:	No Programming, Learns by Demonstration	No Programming, Learns by Demonstration	No Programming, Learns by Demonstration
Safety:	ISO 10218-1 Compliant	ISO 10218-1 Compliant	ISO 10218-1 Compliant



OB7 Robot Models Specifications

OB7 ROBOT:

Robot Mounting Flange Dia: 220 mm: OB7
250 mm: OB7-Max

Gripper Mounting Flange: ISO 9409-1-5
0-4-M6

Working Temperature: 0-37C 32-100F

Power Source: 100-240 VAC 50-60hz

Uninterruptible Power: 10 minutes (robot stopped) for moving robot to new location

Power Consumption: OB7: 90-650 W
OB7-Max: 90-1,000 W
dependent on speed and payload

Safety: Power and force limited, ISO 10218-1 compliant

Linear Speed: 2 m/sec max (dependent on position)

IP Classification: IP 61

Noise Level: Quiet, dependent on speed and payload

Mounting Orientation: Vertical: table/ceiling
Horizontal: wall

Cable length: 1 meter, 5 meters

CONTROL COMPUTER:

Control Computer IP Rating: IP 30

Control Computer Dimensions: 343 mm x 313 mm x 102 mm
13.5" x 12.3" x 4"

Communication (hardware): Ethernet 100MB

Protocols: Ethernet IP pending

Power: 100-240 VAC 50-60 HZ

Control Tablet IP Rating: IP 60

Control Table Connection: USB

Control Tablet Dimensions: 292mm x 213mm
11.5" x 8.4"

Control Tablet Cable 5 meters, 16 ft.

ROBOT STAND for 5 Kg OB7:

Base Dimensions: 780 mm x 597 mm
30.7" x 23.5"

Robot Base Mounting: 882 mm (32.75") height

Weight: 73.5 kg (162 lbs)

Casters: 4

Leveling Feet: 4

Mounting: Included for robot computer

GENERAL EQUIPMENT INTERFACE:

Connection to Robot: Ethercat RJ45

Power Supply: 24V 2A

Digital Input Ports: 8 Optically Isolated

Digital Output Ports: 8 Relay Isolated, NC & NO

Analog Input Ports: 4

Dimensions: 253 mm x 125 mm x 37 mm
10" x 5" x 1.5"

ELECTRIC PARALLEL GRIPPER:

Weight: 1.8 lbs / .8 kg

Gripping Force: 25-140 N

Full travel close/Open Time: 1 second

Force control: Set by the robot

Open/Close positions: Set by the robot

ASSEMBLY AND WORK TABLE:

Assembly Table Dimension: 702 mm x 902 mm
27.6" 35.5"

Work Fixture Registration Holes: ¼- on 4" centers or 6 mm on 100 mm centers (metric model)

Work Fixture Hold Down Holes: ¼-20 on 4" centers or M6 on 100 mm centers

Assembly Table Surface: 6061-T6 Anodized Aluminum

Assembly Table Weight: 23 kg (51 lbs)