

MobileBot Datasheet

Augment your workforce with a Portable Collaborative Robot Platform

Collaborative Robot

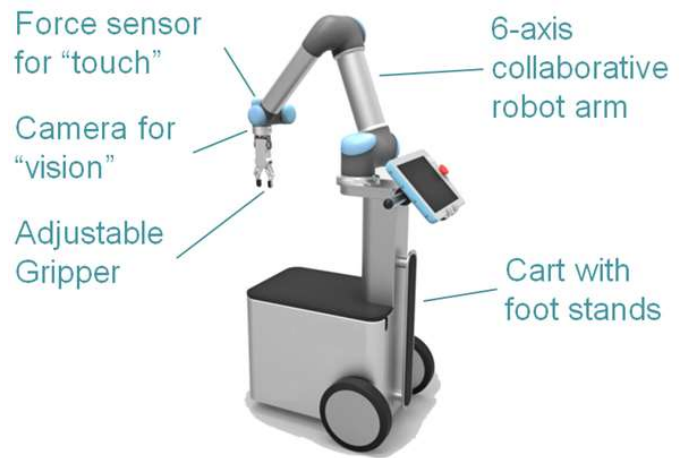
Payload	5 kg / 11 lbs
Reach	850 mm / 33.5 in
Axes	6 rotating joints
Position Repeatability	± 0.03 mm with payload, ISO 9283
Joint Movement	± 360° range
Joint Speed	± 180°/sec maximum
Tool Center Point Speed	1 m/sec or 39.4 in/sec typical
Safety Certifications	ISO 13849-1 Cat.3 PLd, ISO 10218-1

2 Finger Gripper

Payload	Up to 5 kg / 11 lbs
Programmable Stroke	Up to 85 mm / 3.3 in
Programmable Grip Force	20 to 235 N
Programmable Closing Speed	20 to 150 mm/sec 0.79 to 5.9 in/sec
Options	140 mm stroke, Vacuum gripper

Force/Torque Sensor

Force x-y-z	50 N range 0.1 N resolution < 1 N accuracy
Torque x-y-z	10 Nm range 0.04 Nm resolution < 0.3 Nm accuracy



- Complete solution for many operations: machine tending, pick-and-place, sorting, assembly ...
- Safe working side-by-side with people
- Easily moved and docked to different work cells
- Improves worker productivity & engagement

Camera

Sensor & Optics	5 MP color sensor, autofocus 70 mm to ∞
Features	Auto part teaching, color validation, lighting on/off

Physical

Height	< 4 feet, arm down
Weight	70 lbs
Power Source	100-240 VAC, 47-440Hz
IP Classification	IP54
Mobile Cart	1 person transportable

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