Meet the mobile robot arm designed to enable you to act on data insights and perform real, physical work in human-centric environments.

Equipped to operate through both semi-autonomous actions and telemanipulation, the arm will open doors, pick, place, push, or drag objects, and adapt to new situations at the push of a button or swipe of a screen.
SPOT ARM

GRASPING, PICKING, PLACING
Manually or semi-autonomously grasp, lift, carry, place, and drag a wide variety of objects, including valve handles, door knobs, tools, etc.

CONSTRAINED MANIPULATION
Semi-autonomously manipulate objects with constrained movement (e.g. turn valves, pull levers, open drawers, etc.).

DOOR OPENING
Semi-autonomously turn handles and open standard push and pull doors.

TABLET BEHAVIORS

API OPTIONS

JOINT-SPACE CONTROL
- Specify joint angles and velocities
- Move to predefined configurations

END-EFFECTOR CONTROL
- Specify position, velocity, and force trajectories in Cartesian space
- Point the end-effector at a point in the world
- Perform tasks in contact with the environment (e.g. drawing, wiping, etc.)

WWW.GENERATIONROBOTS.COM

sales@generationrobots.com
SPOT ARM
SPECIFICATIONS

GENERAL
Degrees of Freedom 6 + gripper
Length (at full extension) 984 mm (38.7 in)
Mass/Weight 8 kg (17.6 lbs)
(including gripper)
Max. Endpoint Speed 10 m/s
Max. Lift Capacity* Up to 11 kg (24.3 lbs)
Continuous Lift Capacity* 5 kg (11 lbs)
(at 0.5 m extension)
Max. Drag Capacity* Up to 25 kg (55.1 lbs)
(on carpet)

ON ROBOT
Total Mass/Weight 39.7 kg (87.5 lbs)
Max. Reach Height 1800 mm (70.9 in)

*Payload capacities measured at 22°C

GRIPPER
Depth
Max Aperture
Peak Clamp Force
(• tip of opening)
Integrated Sensors
Accessory Port
90 mm (3.5 in)
175 mm (6.9 in)
130 N
ToF, IMU, 4K RGB
Gigabit Ethernet, 50W power, camera sync (PPS)

ENVIRONMENT
Operating Temp.
-20°C to 45°C
Ingress Protection
Water and dust resistant

JOINT RANGE OF MOTION + LINK LENGTHS (mm)

WWW.GENERATIONROBOTS.COM
sales@generationrobots.com