# SPOT ARM

BostonDynamics



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 he arm will actions and telemaniz open doors, pick, pla r drag objects, 15 and adapt to /situa ns at the or swir f a screen. a by tonDynamics Génération Official distributor www.generationrobots.com service@generationrobots.com

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## SPOT ARM





### TABLET BEHAVIORS

### 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.

### **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.)

# SPOT ARM

### Génération ROBOTS

### GENERAL

Degrees of Freedom6 + gripper Length (at full extension)984 mm (38.7 in) Mass/Weight 8 kg (17.6 lbs) (including gripper) Max. Endpoint Speed10 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/Weight39.7 kg (87.5 lbs) Max. Reach Height1800 mm (70.9 in)

### GRIPPER

Depth Max Aperture Peak Clamp Force (at tip of opening) IntegratedSensors 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)

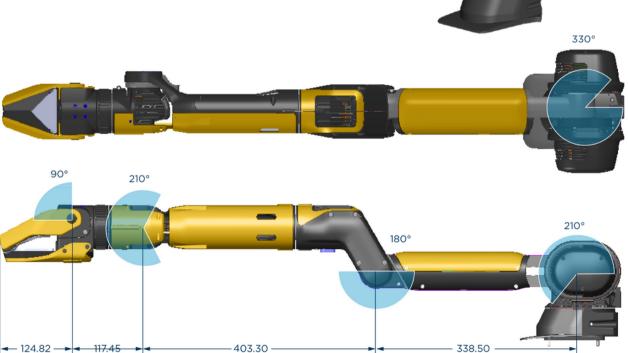
#### **ENVIRONMENT**

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



\*Payload capacities measured at 22°C

### JOINT RANGE OF MOTION + LINK LENGTHS (mm)



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