

Adept Cobra™ s350

Specifications

Reach	350 mm
Footprint	150 mm x 150 mm
Payload	5.5 kg (max)
Joint 4 inertia	450 kg-cm ² (max)
Downward Push Force	10 kgf
Joint Range	
Joint 1	± 155°
Joint 2	± 145°
Joint 3	200 mm
Joint 4	± 360°
Joint Speeds	
Joint 1	720°/sec
Joint 2	720°/sec
Joint 3	2000 mm/sec
Joint 4	2400°/sec
Repeatability	
X/Y	± 0.015 mm
Z	± 0.01 mm
Theta	± 0.005°
Pass-Through User Connections	
Electrical	19 conductor
Pneumatic	6 mm (x2), 4 mm (x2)
Environmental Requirements	
Ambient temperature	5 - 40 °C
Humidity range	5 - 90 % (non condensing)
Weight	20 kg



The Adept Cobra s350 features a small motion envelope while maintaining high speeds and payloads. It can be used in mechanical assembly, material handling, packaging, machine tending, screwdriving, and many other operations requiring fast and precise automation. The Adept Cobra s350 series robot has a 350 mm reach.

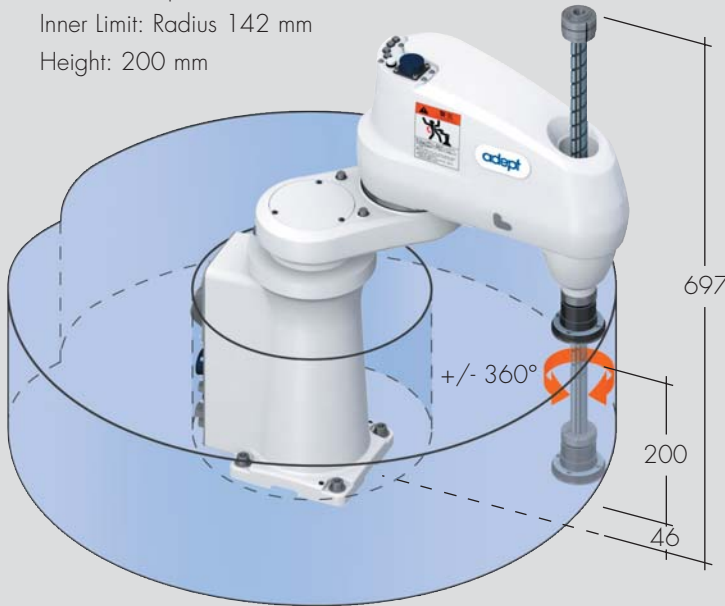
Product Features and Benefits

- Absolute encoders make for easy calibration
- High-resolution encoders provide high-precision and superior slow-speed following
- High-efficiency motors deliver high performance with more torque per amp
- Low-inertia harmonic drives provide maximum acceleration
- 8 kHz servo update rate for improved path following and control
- Complete interchangeability between robots and controllers
- Also available as CR/ESD for Class 10 clean-rooms and ESD, which prevents static electricity from building up during operation

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Dimensions Adept Cobra s350 (mm)

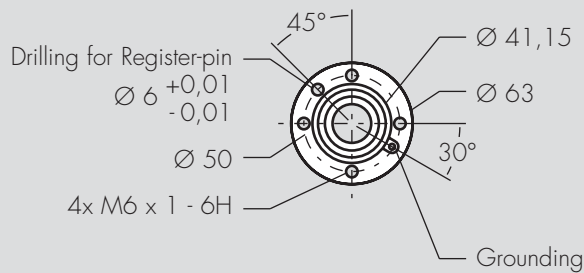
- Work Envelope: Radius 350 mm
- Inner Limit: Radius 142 mm
- Height: 200 mm



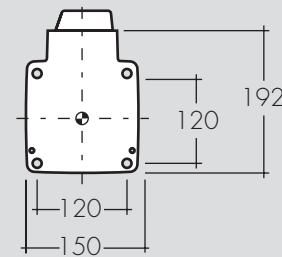
Dimensions MotionBlox-40R (mm)



Dimensions Flange (mm)



Dimensions foot plate (mm)



The Adept Cobra s350 system includes the following:

- Adept Cobra s350 Robot
- Adept SmartController CX (with software installed)
- MotionBlox-40R servo controller and amplifiers
- Front Panel with E-Stop
- 4-Meter Robot Cable
- AdeptWindows Software
- Network File Server (NFS) software
- Ethernet TCP/IP capability
- User Documentation

Optional Peripherals:

- T1 Pendant
- IO Blox (8 digital input & 8 digital output channels)
- sDIO (32 digital input & 32 digital output channels)
- AdeptSight or sAVI Vision system
- Also available as Cleanroom (Class 10) / ESD

Downloads:

- Download CAD files from www.adept.com using the following download ID:
Adept Cobra s350 Robot 500502



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Specifications subject to change without notice.

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