

Innovation Matrix

Product Catalog

Introducing



Bridging the Pacific with Automation Technology

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	
X/Y	7,200 mm/sec
Z	720 °/sec
Theta	2,400 °/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	
Temperature	5 °C to 40 °C
Humidity (non-condensing)	5% to 90%
Weight	20 kg



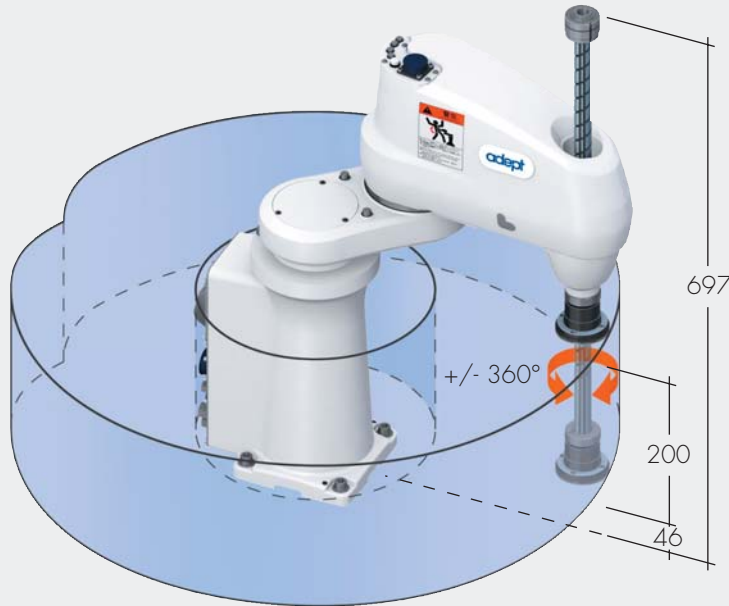
The Adept Cobra s350 features a small motion envelope while maintaining high speeds and payloads. It can be used in mechanical assembly, material handling, packaging, machine tending, screwdriving, and many other operations requiring fast and precise automation. The Adept Cobra s350 series robot has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

Performance

- 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

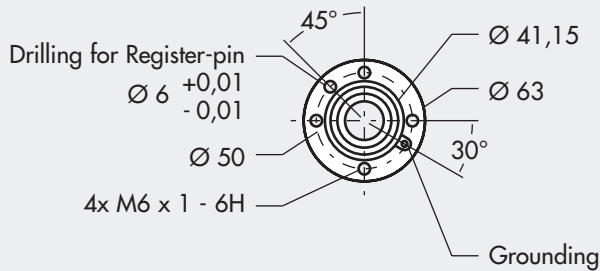
Adept Cobra™ s350

Dimension Adept Cobra s350 (mm)

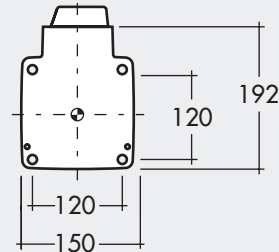


- Work Envelope: Radius 350 mm
- Inner Limit: Radius 286 mm
- Height: 200 mm

Dimension Flange (mm)



Dimension foot plate (mm)



System Includes

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) connects to MotionBlox-40R
- sDIO (32 digital input & 32 digital output channels) connects to SmartController CX
- AdeptSight or sAVI Vision system
- Bellows kit for quill
- Also available as Cleanroom (Class 10) / ESD



Adept Technology, Inc. 3011 Triad Drive, Livermore, CA 94551

Tel: 925-245-3400 Fax: 925-960-0452 Email: info@adept.com

www.adept.com

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www.innovation-matrix.com



Innovation Matrix, Inc.

1715 Junction Avenue, Suite B, San Jose, CA 95112 USA

TEL: 408-329-4422

FAX: 408-716-2553

sales@innovation-matrix.com

IM Japan: japan@innovation-matrix.com

IM Taiwan: taiwan@innovation-matrix.com

IM Beijing: beijing@innovation-matrix.com