

60mm Travel, High Vacuum (10^{-6} Torr) Motorized Rotary Stage, Integrated Controller

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General

Metric **Type:**

No **Encoder:**

No **Manual Control/ LED Indicators:**

Zaber Technologies Inc. **Manufacturer:**

X-RSW60A-SV2T9 **Model Number:**

Requires Accessory Kit, #75-301, for operation. **Note:**

2-Phase Stepper **Type of Motor:**

Physical & Mechanical Properties

Type of Movement:

Rotary	
131.5 x 73.2	Stage Size (mm):
360	Travel (°):
0.14	Accuracy (°):
<0.04	Backlash (°):
31.7	Height (mm):
20	Load Capacity (kg):
200	Load Capacity (N):
<0.02	Repeatability (°):
<0.349	Resolution (µrad):
0.000143 - 100	Speed (°/s):
0.72	Weight (kg):
60	Table Diameter (mm):
100	Max. Continuous Torque (N·cm):

Electrical

950	Current (mA):
950	Maximum Operating Current (mA):

Hardware & Interface Connectivity

Precision Worm Gear	Type of Drive:
24-48 VDC; Power Supply w/US Plug found in accessories kit, #75-301	Power Supply:
RS-232, USB	Computer Interface:

Material Properties

High vacuum (10 ⁻⁶ Torr)	Vacuum Compatibility:
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Environmental & Durability Factors

0 to +50	Operating Temperature (°C):
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Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:
Canada	Country of Origin:
Edmund Optics India Private Limited	Importer:

Product Details

- Low Vacuum (10⁻³ Torr) and High Vacuum (10⁻⁶ Torr) Options Available
- 360° Rotational, Linear, or Vertical Travel Stages, and Goniometer Options Available
- Controlled via Minimal Feed-Through Wires

Zaber™ Vacuum Compatible Motorized Stages are designed for integration into vacuum systems and are available in high vacuum 10⁻⁶ Torr stages or low vacuum 10⁻³ Torr configurations (upon request). The stage body components are specifically engineered to limit outgassing of contaminants in the vacuum chamber, the included stepper motors are designed for thermal management in high vacuum environments, and the stages can be connected to a computer interface with minimal feed-through wires. Zaber™ Vacuum Compatible Motorized Stages are available in linear, 360° rotational, and goniometric configurations, allowing for a complete 6 Degree-of-Freedom system to be constructed in a vacuum. These stages are ideal for applications operating in high vacuum conditions, such as semiconductor manufacturing and processing, or optical coating processes.

Note: An accessories kit, [#75-301](#), is required and sold separately.

