

40mm Center of Rotation, High Vacuum (10^{-6} Torr) Motorized Goniometer Stage, Integrated Controller

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1

+

£5,112⁰⁰

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Product Downloads

General	
Type:	Metric
Encoder:	No
Manual Control/ LED Indicators:	No
Manufacturer:	

Zaber Technologies Inc.	
X-GSM40-SV2T9	Model Number:
Note: Requires Accessory Kit, #75-301 , for operation.	
2-Phase Stepper	Type of Motor:
Physical & Mechanical Properties	
Goniometer	Type of Movement:
Crossed Roller Bearing	Guide System:
72.7 x 116.3	Stage Size (mm):
±10	Travel (°):
0.06	Accuracy (°):
<0.01	Backlash (°):
20.8	Height (mm):
3	Load Capacity (kg):
30	Load Capacity (N):
40	Radius R (mm):
<0.005	Repeatability (°):
<0.087	Resolution (μrad):
0.000099 - 30	Speed (°/s):
0.32	Weight (kg):
Electrical	
350	Current (mA):
350	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:
Environmental & Durability Factors	
0 to +50	Operating Temperature (°C):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

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 Mmimal 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.
