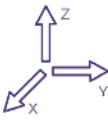


S, SH & SD Series

Compact Design, Capacitive Sensor Close-loop Control

Multi Degrees of Freedom, Travel Range up to 500 μm , High Dynamic and High Load optional

Standard

1 Axis		S100.X.C 100 μm	S300.X.C 300 μm	S500.X.C 500 μm
		S100.Z.C 100 μm	S300.Z.C 300 μm	
2 Axes		S100.XY.C 100 μm , 100 μm	S300.XY.C 300 μm , 300 μm	S500.XY.C 500 μm , 500 μm
3 Axes		S100.XYZ.C 100 μm , 100 μm , 100 μm	S200.XYZ.C 200 μm , 200 μm , 200 μm	

* Non-magnetic, Ultra High Vacuum Versions available

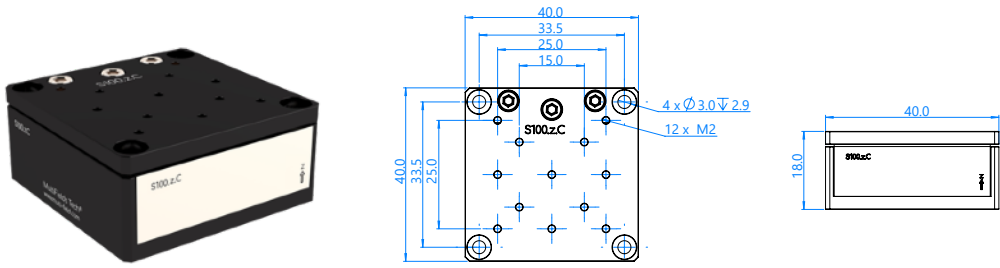


Z Piezo Scanner — S100.Z.C, S300.Z.C

Standard Single Axis Piezo Scanner Module, Vertical Motion

- ➔ Feature
- Piezo Stack Driving
 - Direct Metrology
 - Flexure Guiding
 - Sub-nanometer Resolution
 - CAP Sensor, Close-loop Control

➔ Photo & Drawing



➔ Specification

		S100.Z.C	S300.Z.C
1	Optional	.NM, Non-magnetic; .HV, High Vacuum Version; .UHV, Ultra High Vacuum Version;	
2	Motion Direction	Z	
3	Footprint × Height	55 × 55 × 18 mm	
4	Material	Aluminum, Stainless Steel	
5	Travel Range (Open-loop)	120 μm	350 μm
6	Travel Range (Close-loop)	100 μm	300 μm
7	Resolution (Open-loop)	0.2 nm	0.5 nm
8	Resolution (Close-loop)	0.5 nm	1 nm
9	Pitch/Yaw	±100 μrad	±200 μrad
10	Linearity	0.03%	
11	Resonant Frequency (no load)	700 Hz	320 Hz
12	Stiffness	0.5 N/μm	0.25 N/μm
13	Max. Payload	500 g	
14	Sensor Type	Capacitive	
15	Driving Voltage	Max. 150 V	
16	Working Temperature	15 ~ 40 °C	
17	Mass	170 g	250 g
18	Controller	MC-Archimedes.N	

* For detail drawing and 3D model please contact us.