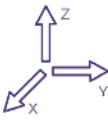


S, SH & SD Series

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

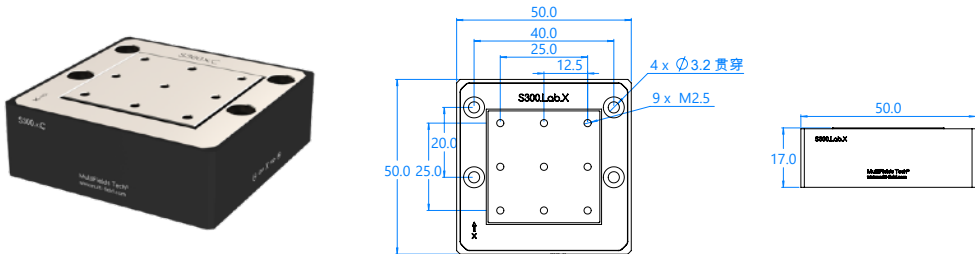


X Piezo Scanner— S100.X.C, S300.X.C & S500.X.C

Standard Single Axis Piezo Scanner Module

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

➔ Photo & Drawing



➔ Specification		S100.X.C	S300.X.C	S500.X.C
1	Optional	.NM, Non-magnetic; .HV, High Vacuum Version; .UHV, Ultra High Vacuum Version;		
2	Motion Direction	X		
3	Footprint x Height	55 x 55 x 17 mm		70 x 70 x 17 mm
4	Material	Aluminum, Stainless Steel		
5	Travel Range (Open-loop)	120 μm	350 μm	600 μm
6	Travel Range (Close-loop)	100 μm	300 μm	500 μm
7	Resolution (Open-loop)	0.2 nm	0.5 nm	0.7 nm
8	Resolution (Close-loop)	0.5 nm	0.9 nm	1.5 nm
9	Linearity	0.03%		
10	Pitch/Yaw	±3 μrad / ±3 μrad	±3 μrad / ±3 μrad	±6 μrad / ±6 μrad
11	Resonant Frequency	700 Hz	370 Hz	200 Hz
12	Max. Pull Force	10 N		
13	Max. Payload (horizontal mounting)	500 g		
14	Sensor Type	Capacitive		
15	Driving Voltage	Max. 150 V		
16	Working Temperature	15 ~ 40 °C		
17	Mass	160 g	200 g	240 g
18	Controller	MC-Archimedes.N		

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