
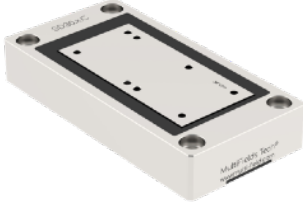


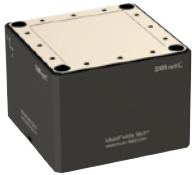
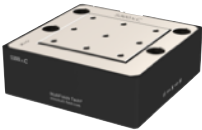


Sheet 2 - Piezo Scanner-compact "S, SD & SH" Sereis

	single-axis- X		single-axis- Z	XY stage- XY	XYZ stage- XYZ	
<p>< 50 um (Hight dynamic) "SD" Sereis (Dynamic)</p>	 SD15.x.C	 SD30.x.C	N/A	N/A	 SH30.xyz.C	<p>< 50 um (Hight dynamic) SD Series (Dynamic)</p>
<p>100 um "S" Sereis</p>	N/A		 S100.z.C	 S100.xy.C, S100.xyz.C		<p>100 um S scanning motion Series</p>
<p>300 um "S" Sereis</p>	 S300.x.C		N/A	N/A	N/A	<p>300 um S scanning motion Series</p>

Piezoelectric Motion - RT

Piezoelectric Motion - RT

List, Piezo scanner

RT-piezo motion module list

.S ~ Sas sensor

.C ~Capacitive sensor

.HV ~ 1e-7 mbar high-vacuum Version

.NM ~ non-magnetic Version

“S” Sereis-Standard Series, Single-axis

- S100.z.C
- S100.z.C.HV
- S100.z.S
- S100.z.S.HV
- S300.x.C
- S300.x.C.HV
- S300.x.S
- S300.x.S.HV

“S” Sereis-Standard Series, XY stage

- S100.xy.C
- S100.xy.C.HV
- S100.xy.S
- S100.xy.S.HV

“S” Sereis-Standard Series, XYZ stage

- S100.xyz.C
- S100.xyz.C.HV
- S100.xyz.S
- S100.xyz.S.HV

“SD” Sereis - High dynamic , single-axis

- SD15.x.C
- SD15.x.S

• SD15.x.C.HV

• SD15.x.S.HV

• SD30.x.C

• SD30.x.S

• SD30.x.C.HV

• SD30.x.S.HV

“SH” Sereis-High-load, XYZ stage

- SH30.xyz.C
- SH30.xyz.S
- SH30.xyz.0
- SH30.xyz.C.HV
- SH30.xyz.S.HV
- SH30.xyz.0.HV

“Carrier.S” Sereis - Stage with aperture-Standard

- Carrier.S100.Z.C
- Carrier.S100.XY.C

“Carrier.HS” Sereis- Stage with aperture-High-load

- Carrier.HS100.Z.C
- Carrier.HS100.ZTxTy.C
- Carrier.HS100.XY.C
- Carrier.HS100.XYRz.C

“Carrier.OB” Sereis-Stage with aperture

- Carrier.OB050.C
- Carrier.OB100.C
- Carrier.OB100.C.HL
- Carrier.OB200.C
- Carrier.OB400.C

• Carrier.OB050.S

• Carrier.OB100.S

• Carrier.OB100.S.HL

• Carrier.OB200.S

• Carrier.OB400.S

“Mirrors” Sereis -Tip/Tilt platform

- Mirrors.TxTy0303
- Mirrors.TxTy1010
- Mirrors.Z10TxTy0101

Total ~ Products

Single-axis scanning motion– S100.z.C / S

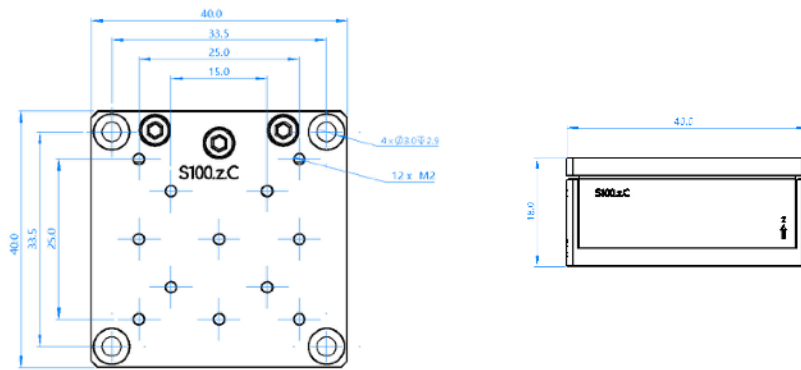


S100.z.C / S

Feature

- Travel range in Z :100 um ;
- Size:40 mm × 40 mm× 18 mm;
- Close loop resolution < 1 nm (open loop optional)
- Max Load 500 g;
- Support Options, non-magnetic (.NM) & ultra- high vacuum (.UHV)

2D·Drawings



S100.z.C ,Single-axis scanning motion

Optional Versions ⇄	Standard
.HV, high vacuum compatible; .UHV, ultra-high vacuum compatible;	
1 Direction of movement	Z direction
2 Footprint, height	40mm × 40 mm × 18 mm
3 Mainbody Materials	Aluminium alloy & Stainless
4 Travel Range	100 um (closed-loop)
Motion	
5 Resolution	0.2 nm
6 Yaw/Pitch	± 25 μrad
7 Linearity Error	0.02%
8 Resonance Frequency (unloaded)	500 Hz
9 Rigidity	0.5 N/um
10 Max Load	500 g
11 Integrated sensor(close loop)	Capacitive
12 Max drive voltage (Z)	150 V
Additional	
13 Operating temperature range	-20 ~ 80 °C
14 Weight	150g
15 Cable Length	1 m / D-Sub 3W3 Connectors