
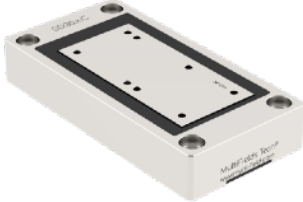


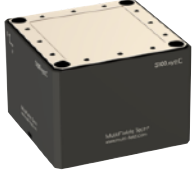
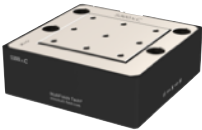


Sheet 2 - Piezo Scanner-compact "S, SD & SH" Sereis

	single-axis- X		single-axis- Z	XY stage- XY	XYZ stage- XYZ	
<p>&lt; 50 um (Hight dynamic) "SD" Sereis (Dynamic)</p>	 SD15.x.C	 SD30.x.C	N/A	N/A	 SH30.xyz.C	<p>&lt; 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

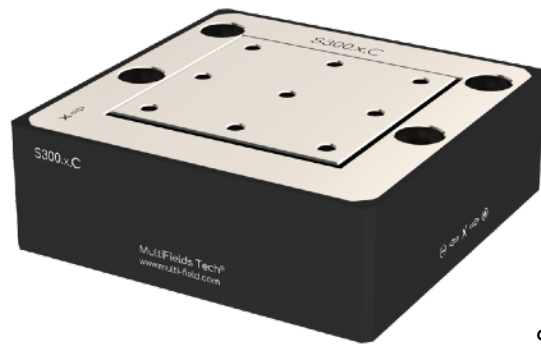
• Mirrors.TxTy1010

• Mirrors.Z10TxTy0101

Total ~ Products

# Single-axis scanning motion– S300.x.C

Standard single-axis scanning module, close loop/open loop optional.

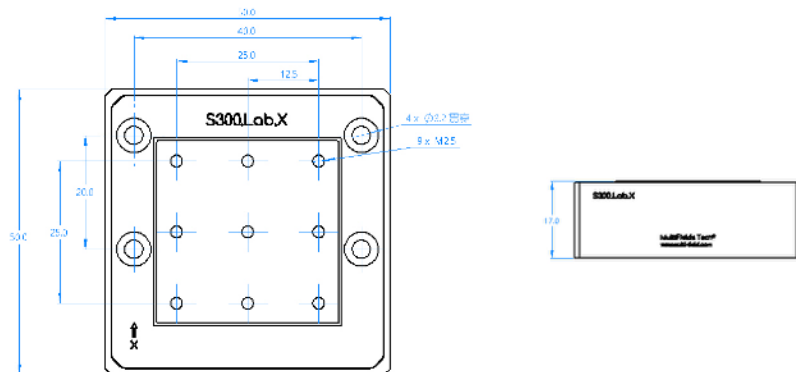


S300.x.C

## Feature

- Travel range(X direction):300 um;
- Size:50 mm × 50 mm× 17 mm;
- Close loop resolution < 3 nm (open loop optional)
- Max Load 500 g;
- Non-magnetic (.NM) & ultra- high vacuum (.UHV) optional

## 2D·Drawings



## S300.x.C , Uniaxial scanning motion

Optional Versions ⇔	Standard	.NM
.NM, non-magnetic; .UHV, ultra-high vacuum compatible;		
1 Direction of movement	X direction	
2 Footprint, high	50 mm × 50 mm × 17 mm	
3 Mainbody Materials	Aluminium alloy & Stainless	Aluminium alloy & Pure Ti
4 Travel Range	300 um (open loop) 250 um (close loop)	
Motion		
5 Resolution (open loop)	3 nm	
6 Linearity Error	0.1%	
7 Resonance Frequency	350 Hz	
8 Max Load	500 g	
9 Integrated sensor(close loop)	Capacitive	
10 Max drive voltage (X, Y)	Max. 150 V	
Additional		
11 Operating temperature range	-20 ~ 80 °C	
12 Weight	200 g	
13 Cable Length	1 m / D-Sub 3W3 Connectors	