
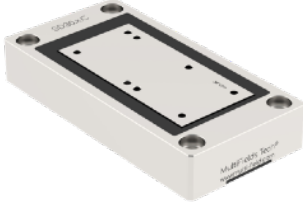


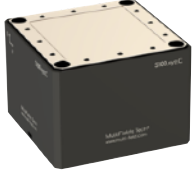
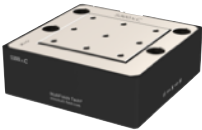


Sheet 2 - Piezo Scanner-compact "S, SD & SH" Series

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

# Piezo·XYZ scanner– SH30.xyz.C

RT-piezo scanning motion solution- high load "SH Series"

High load (10 kg),XYZ scanning motion

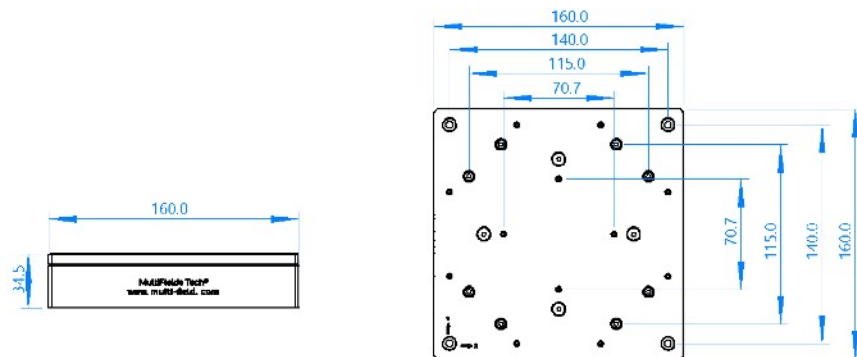


SH30.xyz.0 / .C

## Feature

- Travel range in X,Y,Z : 30 um x 30 um x 15 um;
- Size: 160 mm x 160 mm x 35 mm;
- Close loop resolution < 0.3 nm;
- Max Load 10 kg;
- Support Options:high vacuum (.HV) & ultra- high vacuum (.UHV)

## 2D:Drawings



## SH30.xyz.C-Specification

Optional Versions ⇨	SH30.xyz.C / .0	
	.HV, high vacuum compatible; .UHV, ultra-high vacuum compatible; .O open loop .C Capacitive Sensor	
1	Direction of movement	X, Y, Z direction
2	Footprint, height	160 mm x 160 mm x 35 mm
3	Mainbody Materials	Stainless
4	Travel Range	30 um x 30 um x 15 um
Motion		
5	Resolution	0.1 nm(open loop) 0.3 nm (close loop)
6	Resonance Frequency (unloaded)	500 Hz
7	Max Load	10 kg
8	Max Operating Voltage	150 V
Additional		
9	Operating temperature range	-20 ~ 80 °C
10	Weight	4 kg
11	Cable Length	1 m / D-Sub 3W3 Connectors