

3 Piezo Scanner 39-48

3.1



Compact series

Compact Structure, Capacitive Sensor Feedback

41

3.1.1

S series, single axis, long travel range

S100.xyz.C, S100.z.C, S300.x.C...

43

3.1.2

SD series, high dynamic

SD15.x.C, SD30.x.C...

47

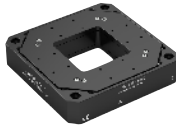
3.1.3

SH series, high load

SH30.xyz.C

48

3.2



Clear Aperture series

Versatile Stage, Multi Degrees of Freedom, Capacitive Sensor Feedback

49-64

3.2.1

Carrer.OB series, Objective Scanner

Carrier.OB100.C, Carrier.OB200.C, Carrier.OB400.C

51

3.2.2

Carrier.S series

Carrier.S100, Carrier.S200, Carrier.S300

55

3.2.3

Carrer.SL series

Carrier.SL200

62

3.3



Piezo Scanner Controller

63-64



High Dynamic

High Load

SD15.X.C

15 μm

SD30.X.C

30 μm



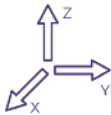
1 Axis



2 Axes

SH30.XYZ.C

30 μm , 30 μm , 15 μm



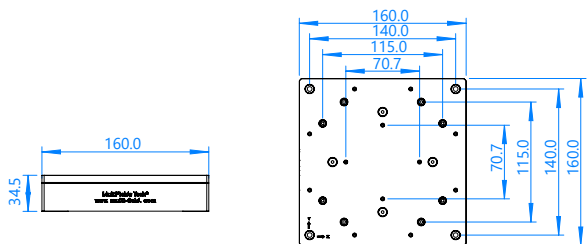
3 Axes

XYZ Piezo Scanner — SH30.XYZ.C

High Load XYZ Unit

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

➔ Photo & Drawing



➔ Specification

SH30.XYZ.C

1	Optional	.HV, High Vacuum Version; .UHV, Ultra High Vacuum Version;
2	Motion Direction	X, Y, Z
3	Footprint × Height	160 × 160 × 35 mm
4	Material	Stainless Steel
5	Travel Range (Close-loop)	30 x 30 x 15 μm
6	Resolution (Open-loop)	0.1 nm
7	Resolution (Close-loop)	0.3 nm
8	Pitch/Yaw	20 / 20 / 50 μrad
9	Resonant Frequency	500 Hz
10	Max. Payload	10 kg
11	Sensor Type	Capacitive
12	Driving Voltage	Max. 150 V
13	Working Temperature	15 ~ 40 °C
14	Mass	2 kg
15	Cable	D-Sub 3W3
16	Controller	MC-Archimedes.N

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