

Travel Range – 200 μm

Travel Range – 300 μm

[Carrier.S200.Z.C](#)

200 μm

[Carrier.S200.XY.C](#)

200 μm , 200 μm

[Carrier.S200.XYZ.C](#)

200 μm , 200 μm , 200 μm

[Carrier.S300.XYZ.C](#)

300 μm , 300 μm , 300 μm

[Carrier.S200.XYRz.C](#)

200 μm , 200 μm , ± 2 mrad

[Carrier.S200.ZTxTy.C](#)

200 μm , ± 2 mrad, ± 2 mrad

[Carrier.S200.XYZTxTyRz.C](#)

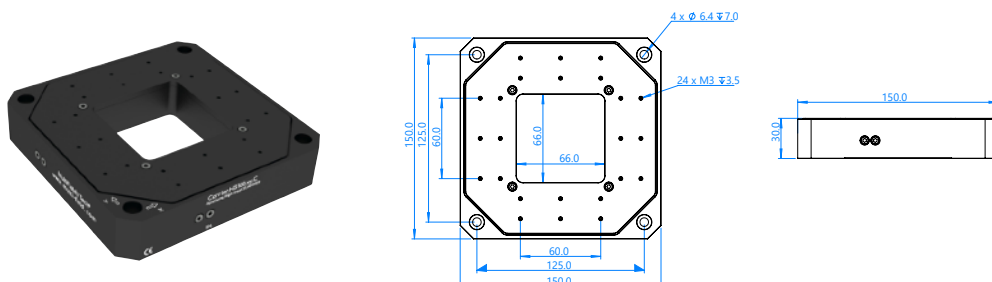
200 μm , 200 μm , 200 μm , ± 2 mrad,
 ± 2 mrad, ± 2 mrad

XY Piezo Scanner — Carrier.S100/200.XY.C

Versatile, High Performance, Clear Aperture, XY Motion

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

➔ Photo & Drawing



➔ Specification

Carrier.S100.XY.C

Carrier.S200.XY.C

1	Optional	.NM, Non-magnetic; .HV, High Vacuum Version; .UHV, Ultra High Vacuum Version;	
2	Motion Direction	XY	
3	Footprint x Height	150 x 150 x 30 mm	
4	Material	Aluminum, Stainless Steel	
5	Travel Range (Close-loop XY)	100 x 100 µm	200 x 200 µm
6	Aperture	66 x 66 mm	
7	Linearity	0.03%	
8	Resolution (Close-loop / Open-loop)	1 nm / 0.2 nm	2 nm / 0.4 nm
9	Repeatability	10 nm	10 nm
10	Stiffness	2 N/µm	1 N/µm
11	Resonant Frequency (no load / 2.5 kg)	420 / 130 Hz	340 / 100 Hz
12	Max. Payload	5 kg	
13	Sensor Type	Capacitive	
14	Driving Voltage	Max. 150 V	
15	Working Temperature	15 ~ 40 °C	
16	Controller	MC-Archimedes.N	

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