

Carrier.OB Series

Objective Focusing & Scanning

Travel Range up to 400 μm , High Dynamic optional, High Load above 10 kg available, Z and XY types

	Travel Range	Product Code
	100 μm	Carrier.OB100.C
	200 μm	Carrier.OB200.C
	400 μm	Carrier.OB400.C
	100 μm (High Load)	Carrier.OBHL100.C
	200 $\times$ 200 μm	Carrier.OB200.XY.C

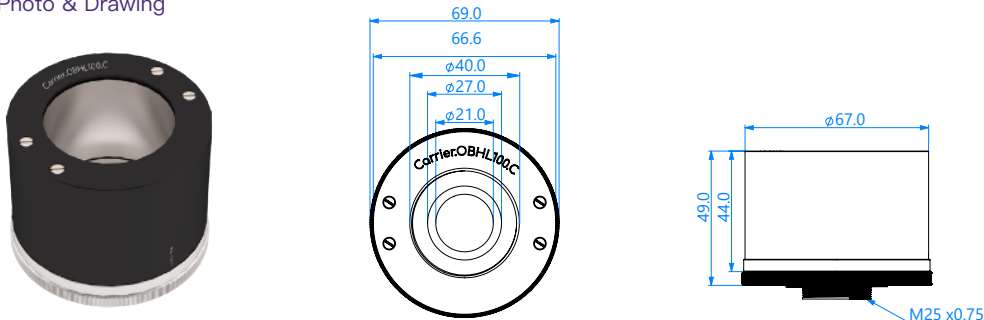
* Non-magnetic, Ultra High Vacuum Versions available

Objective Z Scanner — Carrier.OBHL100.C

For Optical Microscopy

- ➔ Feature
- Piezo Stack Driving
 - ms Response Time
 - Auto Focus Option
 - Flexure Guiding
 - Sub-nanometer Resolution
 - CAP Sensor, Close-loop Control
 - Higher Payload

➔ Photo & Drawing



➔ Specification

Carrier.OBHL100.C

1	Optional	.NM, Non-magnetic; .HV, High Vacuum Version; .UHV, Ultra High Vacuum Version;
2	Motion Direction	Z
3	Travel Range	100 μm
4	Linearity	0.03%
5	Repeatability	3 nm
6	Sensor Type	Capacitive
7	Resolution (Open-loop)	0.3 nm
8	Resolution (Close-loop)	1 nm
9	Response Time	5 ms
10	Stiffness	3 N/μm
11	Resonant Frequency (no load)	1 KHz
12	Resonant Frequency (150 g)	560 Hz
13	Mass	500 g
14	Material	Stainless Steel, Aluminum
15	Working Temperature	15 ~ 40 °C
16	Controller	MC-Archimedes.N

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