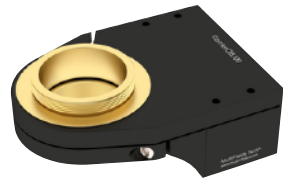


List- Carrier Series

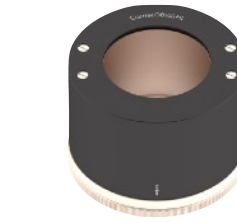
For microscopy, complete set of nanoscale motion solutions.

• Carrier Sereis - Objective adjustment



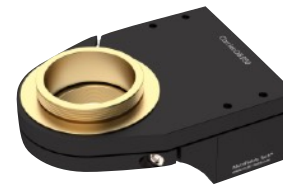
➔ Carrier.OB050.C /S

Z direction, objective scanner for auto focus;
Capacitance/SGS, Settling time (90%), Resolution
(close loop) 1 nm, Travel range in Z : 50 um



➔ Carrier.OB100.C. /S HL

Z direction, objective scanner for auto focus;
Capacitance/SGS, Settling time (90%) 10 ms, Max
Load 500 g, Resolution (close loop) 1 nm, Range 100
um;



➔ Carrier.OB100.C /S

Z direction, objective scanner for auto focus;
Capacitance/SGS, Settling time (90%) 15 ms,
Resolution (close loop) 1 nm, Range 100 um;

• Carrier Sereis - The stage: Linear Stage, Rotary Stage and Scanning Stage



➔ Carrier.S200.XY / XYZ

Long ranger scanner: XY/XYZ, 200 um Range;
Capacitive Sensor, Close loop resolution 1 nm; Max
Load 500 g;

➔ Carrier.L7550.XY / Carrier.L1010.XY

2D linear stage for microscope: Capacitive Sensor,
Travel range 75 mm x 50 mm, 100 mm x 100 mm, Mini
Step Size, ~ 5 nm, Resolution 2nm/1nm; Load 2 kg;



➔ Carrier.R200

Rotator: Capacitive Sensor, ϕ 190 mm, ϕ 60
mm, 20 mm high, Resolution 1 urad;

➔ Carrier.L7550.XY / Carrier.L1010.XY

2D linear stage for microscope: Capacitive Sensor,
Travel range 75 mm x 50 mm, Mini Step Size, ~ 5 nm,
Resolution 2nm/1 nm; Load 2 kg;

• Carrier Sereis- All product models

.C ~ Capacitive position sensors
".adv" ~ 4.88 nm, 2.44 nm Optic Encoder
".HV" ~ 1e-7 mbar high-vacuum Version
".UHV" ~ 2e-11 mbar Ultra-high Vacuum Version

"Carrier.OB050" Sereis

- Carrier.OB050.C
- Carrier.OB050.C.HV
- Carrier.OB050.C.UHV

"Carrier.OB100" Sereis

- Carrier.OB100.C
- Carrier.OB100.C.HV
- Carrier.OB100.C.UHV

"Carrier.OB100.HL" Sereis

- Carrier.OB100.C
- Carrier.OB100.C.HV
- Carrier.OB100.C.UHV

"Carrier.S200" Sereis

- Carrier.S200.XY

- Carrier.S200.XY.HV
- Carrier.S200.XYZ
- Carrier.S200.XYZ.HV

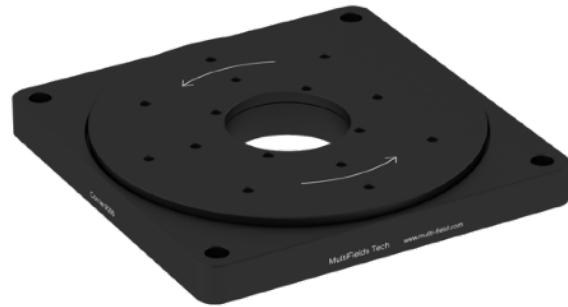
"Carrier.L7550.XY" Sereis

- Carrier.L7550.XY
- Carrier.L7550.XY.HV
- Carrier.L7550.XY.adv
- Carrier.L7550.XY.HV.adv

"Carrier.R200" Sereis

- Carrier.R200
- Carrier.R200.HV

Rotary Stange– Carrier.R200

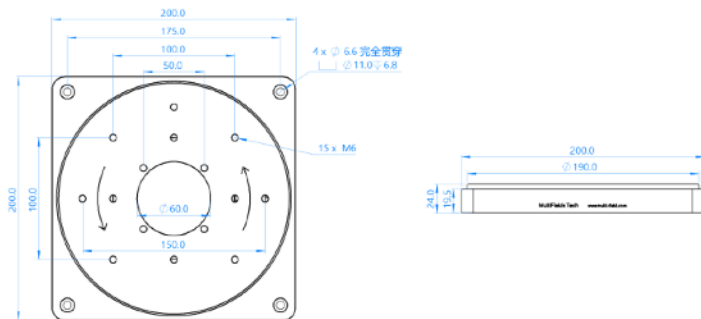


Carrier.R200

Feature

- Rotation range 300 °;
- Close loop resolution: 1 urad;
- Max Load 1kg;
- High precision solution for optical microscopy;
- Support Options, non-magnetic (.NM) & ultra- high vacuum (.UHV)

2D·Drawings



Carrier.R200, Rotary Stange – Specification

Optional Versions ⇄	Standard
	.NM, non-magnetic; .HV, high vacuum compatible;
1 Direction of movement	Rotation around Z
2 Footprint, height	200 mm × 200 mm × 24mm
3 Mainbody Materials	Aluminium alloy
4 Travel Range	300°
5 Effective through-hole size	φ 190 / φ 60 mm
Motion and positioning sensor	
6 Motion type	Contineous
7 Encoder resolution	1 urad
8 Drive Frequency	Max. 20 kHz
9 Self lock Torque	20 N*mm
10 Driving Torque	15 N*mm
11 Repeatability	300 μ° / 6 urad
12 Max Load	1 kg
13 Max Operating Voltage	Max. 120V
Others	
14 Operating temperature range	15 ~ 40 °C
15 Weight	2 kg
16 Mount	Suitable for Carrier.L7550

Piezoelectric Motion - RT

Piezoelectric Motion - RT