

Room Temperature Piezo Stage • Lab series

	Linear Motion Unit	
	X/Y	Z
35 mm	 LS35x.Lab series	 LS35z.Lab series
65 mm	 LS65x.Lab series	 LS65z.Lab series
80mm		 LS80z.Lab series
105mm	 LS105x.Lab series	
	.NM Non-magnetic, .HV, High Vacuum Version, .UHV, Ultra High Vacuum Version	

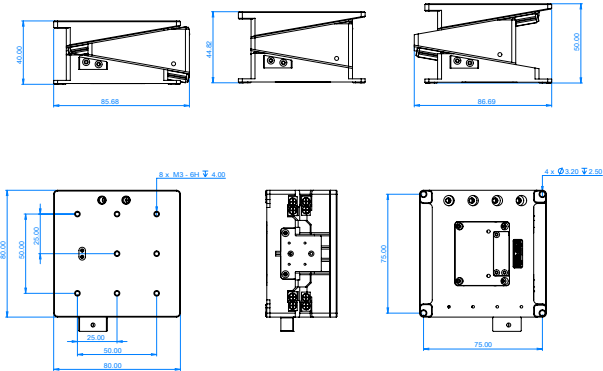
“Lab series” Elevation Stage — LS80z.Lab

Balance of Speed, Travel Range and Resolution, Quiet Motion

➔ Feature

- Quiet Motion
- Self-lock
- Higher Force
- Nanometer Resolution
- Optical Sensor Inside
- Stackable with other Lab series stage

➔ Photo & Drawing



➔ Specification

LS80z.Lab

1	Optional	.HV, High Vacuum Version; .UHV, Ultra High Vacuum Version; .NM, Non-magnetic Version;
2	Footprint × Height	80 × 80 × 40 mm
3	Material	Aluminum, Stainless Steel, Ceramic
4	Travel Range	10 mm
5	Driving Frequency	Max. 20 kHz
6	Cable & Connector	Standard/HV, shield cable and D-Sub15 plug; UHV, Kapton, PEEK D-Sub15
7	Max. Velocity	~ 3 mm/s(Reduce to 10% in Vacuum)
8	Minimum Incremental Motion (Close-loop)	10 nm
9	Holding Force	10 N
10	Max. Push Payload	1 kg
11	Sensor Type	Optical Sensor
12	Sensor Resolution	2 nm
13	Controller	MC-Newton.S series

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