

TECHNICAL SPECIFICATIONS

Linear Stage	
Active axes	X
Travel range in X	Up to 200 mm
Maximum Velocity in X	≥ 5 mm/s
Minimum Incremental Motion in X	$\leq 2\mu\text{m}$
Unidirectional repeatability in X	$\leq 1\mu\text{m}$
Limit switches	To be specified
Load Capacity	950g
Operating temperature	25°C to 180°C
Vacuum compatibility	Better than 10 ⁻⁵ torr
Motor and Drive	Stepper motor and motor drive for operation with specified load capacity
Operating voltage	230V AC with suitable power adapter
Foot Print	Not more than 330mmX120mmX40mm

Rotational Stage	
Active axes	θZ
Rotation range in θZ	360°
Resolution	$\leq 0.01^\circ$
Repeatability or backlash	To be specified.
Limit switches	To be specified.
Maximum loaded speed	≥ 4 rpm
Load Capacity	Up to 100kg
Operating temperature	25°C to 180°C
Vacuum compatibility	Better than 10 ⁻⁵ torr
Motor and Drive	Stepper motor and motor drive for operation with specified load capacity
Operating voltage	230V AC with suitable power adapter
Foot Print	Not more than 150mmX100mmX100mm

GENERAL CONDITIONS

1. Vacuum compatible feedthrough (vacuum port dia 35mm), cables and connectors to be provided.
2. Software with GUI for control and operation of translation and rotary stage. ASCII protocol document to be provided.
3. Part number, lot number and batch number are to be provided by the manufacturer for traceability.
4. Test and evaluation report to be provided in accordance with the specifications. Test and evaluation report shall mandatorily specify the resolution and repeatability in X and θZ .
5. One-year warranty to be provided on translation stage, rotary stage and drives. Vendor to provide the user/operation manuals as applicable.