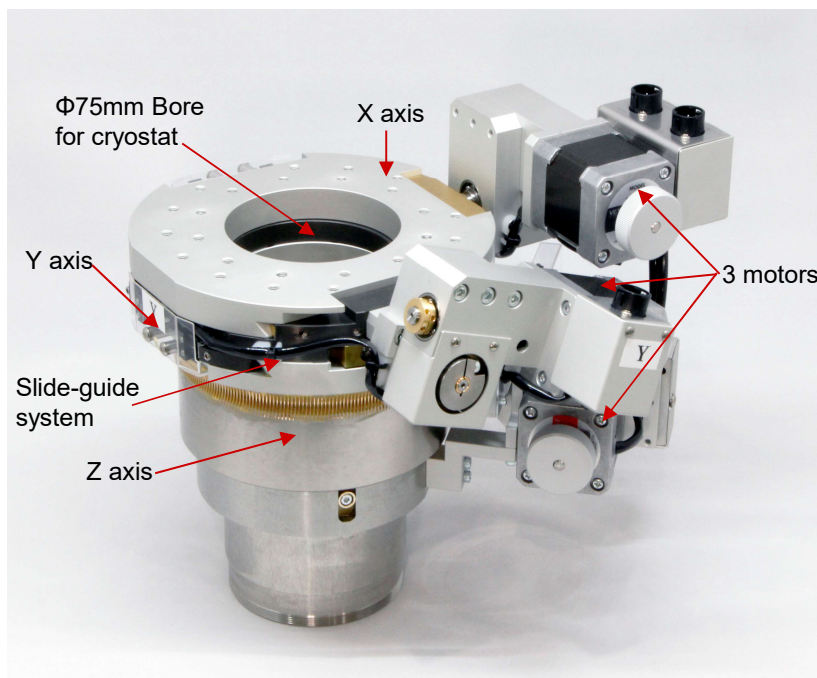




Attachment for Diffractometer XYZ stages for Cryostat <SPI-5D>

This is the cryostat positioning stage which can be installed in the ϕ -axis of multi-axis diffractometer. It has a 75mm center hole for cryostat attachment. The XYZ movements are controlled precisely by stepping motors.



Specifications

Model	SPI-5D
Inner Hole Size	Φ75 mm
Stroke	± 2.5 mm (XY) (depend on a cryostat size) ± 5 mm (Z) (Direction of Cryostat removable)
Resolution	0.039 μm / full step (XY) 0.003 μm / full step (Z)
Repeatability	± 2 μm
Actuator	5-phase Stepping Motor *
Dimension	242 x 234.3 x 340 [W x L x H (mm)]
Weight	10 kg
Attachment	Installation Jig

Features

- ◆75 mm enough size for a cryostat to insert.
- ◆The sliding guide-system allows to hold a cryostat in any orientations.
- ◆It can be mounted on Huber diffractometer (Model Number: 512.1) .
- ◆APD cryostat circulation can be installed.
- ◆The sample can be adjusted to the center of rotation of the diffractometer with the movable stage.
- ◆The 180 degrees rotation is allowed with a cryostat on the diffractometer axis ϕ .
- ◆XYZ stage can be driven independently.
- ◆X and Y has two lock-screws to press the side of stage manually. (Please use the motor drive mode to unlock them manually.)
- ◆2-phase bipolar or unipolar motors are available as option.