

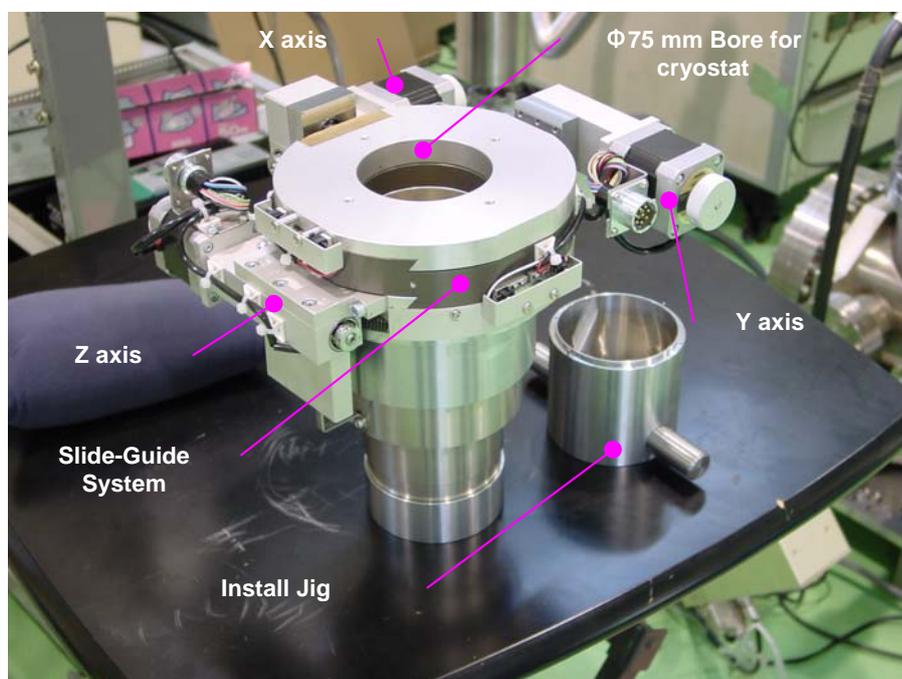


Attachment for Diffractometer XYZ stages for Cryostat <SPI-5C>

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.



<SPI-5C>



Features

- ◆ 75 mm enough size for a cryostat to insert.
- ◆ The sliding guide-system allows to hold a cryostat in any orientation.
- ◆ 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.

Specifications

Model	SPI-5C
Inner Hole Size	Φ 75 mm
Stroke	\pm 2.5 mm (XY) (depend on a cryostat size) \pm 5 mm (Z) (Direction of Cryostat removable)
Resolution (half step)	0.03125 μ m / step (XY) 0.0078125 μ m / step (Z)
Repeatability	\pm 5 μ m
Actuator	5-phase Stepping Motor
Dimension	242 x 234.3 x 340 [W x L x H (mm)]
Weight	10 kg
Attachment	Installation Jig

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