



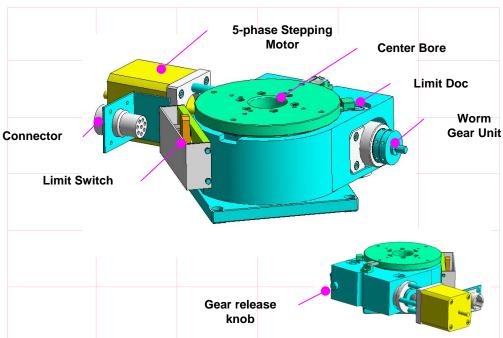
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High Precision Rotation Stage <SPU-1A>

This device is primarily used for X-ray CT.

Therefore, we have an eccentricity less than 1 μ m.





Specifications

Model	SPU-1A
Table Size	Ф98 mm
Center Bore Size	Ф25 mm
Weight	3.0 kg
Maximum Load Capacity	3 kg
Guidance Mechanism	Slide Guide
Resolution (Half-step)	0.002 degree / step
Stroke	360°
Accuracy (Lead Error)	0.01°
Repeatability	0.01°
Backlash	0.005°
Eccentricity	< 1um

Features

- ◆ Less than 1um Eccentricity due to special customization
- ◆ This device must be placed at the horizontal position (the rotational axis should be vertical) because of the sliding guide system.
- ♦ The load capacity is 3 kg.
- ◆Cheaper & more robust than a airbearing system, but the quality is still guaranteed.
- ♦ The gear release knob allows free rotation by hand
- ♦ The big enough center bore is useful for a slip-ring.

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High Precision Rotation Stage <SPU-1A> Continued

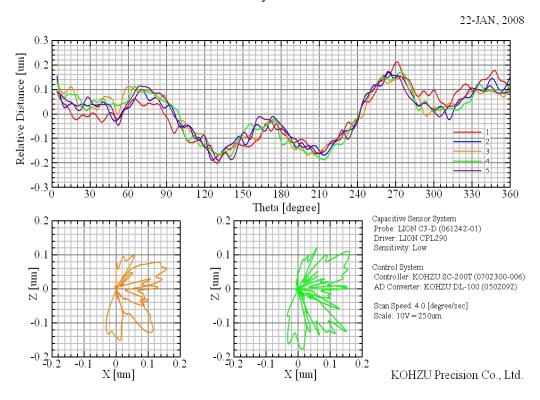
The prototype of SPU-1A.

These photos show a measurement and an inspection in SP-8.





Here is a real data for the eccentricity.



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