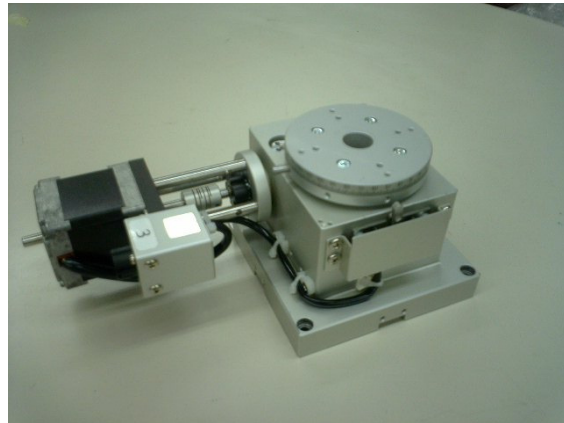


### High Precision rotation stage (Model : SPU-1 series)



Model SPU-1A



Model SPU-1C

#### Features

- Kohzu's SPU-1 series rotation stage is a custom built instrument with less than 1 $\mu$ m eccentricity.
- This product ranks somewhere between an air-bearing stage and Kohzu's standard rotation stages.
- Filled with a center bore to allow passage for instrumentation wiring.

#### Specifications

Model	SPU-1A	SPU-1C
Table size	$\phi$ 100mm	$\phi$ 70mm
Center bore	$\phi$ 25mm	$\phi$ 11mm
Hight	61mm	76mm
Weight	3.0kg	2.1kg
Maximum load capacity	3kg	1kg
Guidance Mechanism	Slide guide	
Resolution	0.004 $^{\circ}$ /step (fullstep mode)	
Motion range	>280 $^{\circ}$ ( $\pm$ 140 $^{\circ}$ ) ( 360 $^{\circ}$ optional ) <sup>*2</sup>	
Accumulated lead error	<0.01 $^{\circ}$	
Repeatability	<0.01 $^{\circ}$	
Eccentricity	<1 $\mu$ m	

**Notes**

1. Specifications applicable with rotation axis in vertical orientation only!
2. Greater than 280° rotation (360° or cont.) can be achieved by moving end of travel limit sensors.
3. Load specifications may not be exceeded.
4. Since this is a new product, no cycle or performance data is available at this time. It is assumed that periodic overhaul will be required to maintain above specifications.
5. Specifications can only be attained after motion system has reached thermal equilibrium. Some type of temperature control system will be required to keep stepper motor heat under control.
6. Typical leads time will be 10-12 weeks after receipt of an order. Availability of this product is limited. Please consult with factory before ordering.