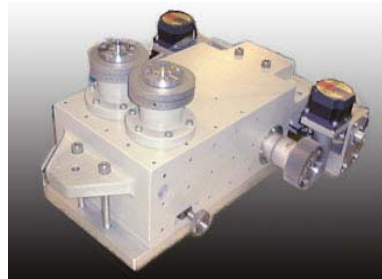




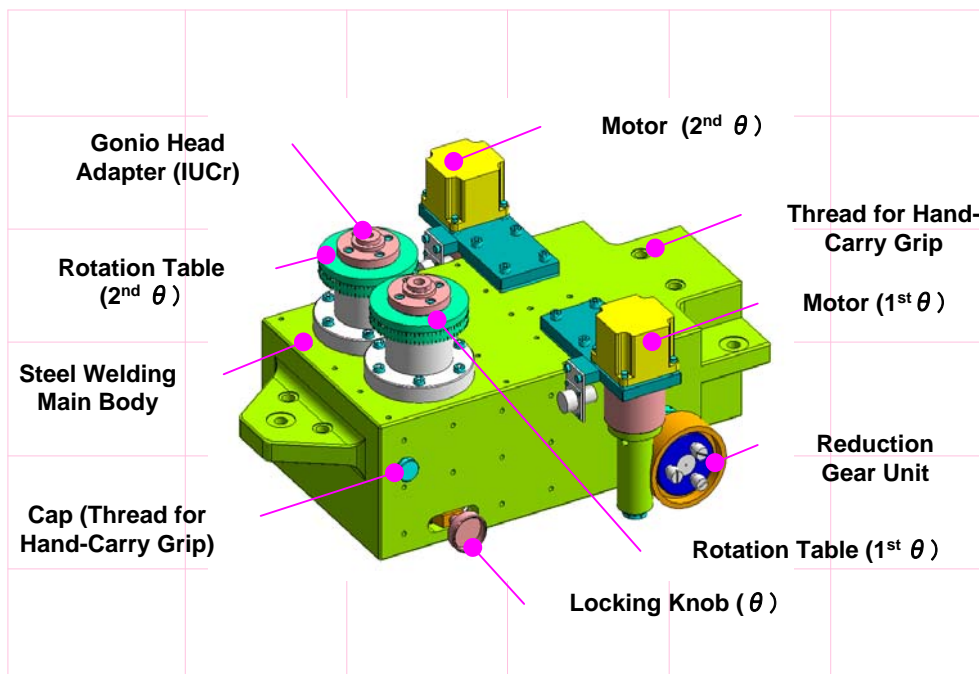
Ultra High Precision 2-Axis Goniometer <KTG-11KW>

This goniometer has two parallel ultra high resolution rotation axes driven independently by two tangent bar mechanisms.

The goniometer was manufactured for use in high precision two crystal topograph set-up.



< KTG-11KW >



Specifications

Model	KTG-11KW
Stroke	± 2.5 degree (fine) 360 degree (coarse)
Eccentricity	3 μm / 360 degree
Resolution (Half-step)	0.005 arcsec / step
Actuator	Stepping motor (PK564-A : Oriental) (fine)
	Manual (coarse)
Load Capacity	20 kg (horizontal) 10 kg (vertical)
Self-Weight	50 kg
Dimension	196.3 x 178.5 x 70 mm ³

Features

◆ It is equipped with both fine and coarse motion mechanisms.

◆ **Coarse**
Coarse motion is isolated or activated via an integral and manual locking mechanism.

When unlocked, the coarse motion mechanism is manually activated and offers a motion range of 360° with a minimum resolution of 1° on laser-etched scale.

◆ **Fine**
The fine motion mechanism delivers a motion range of $\pm 2.5^\circ$ and 0.01arcsec resolution (motor in full-step mode).

◆ **With radiation resistant mechanical limits, which are located at top-end of tangent bar mechanism inside main body.**

◆ **Distance between the axes is made as small as possible (90 mm).**