



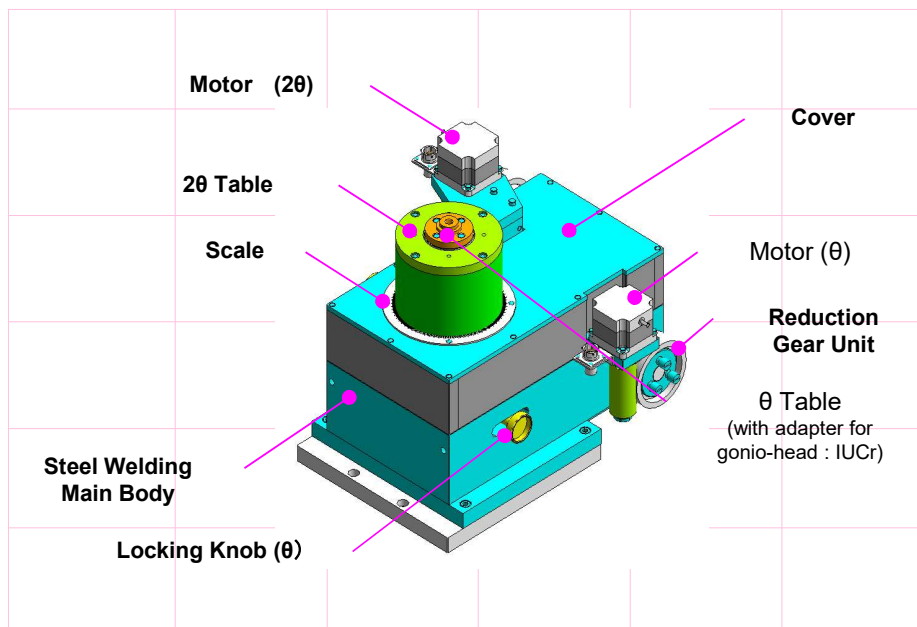
Ultra High Precision Coaxial Goniometer <KTG-16W01>

The device was manufactured for use
as a high resolution 4-crystal
asymmetric reflection monochromator.

The right picture shows it is installed in
a chamber as a low vacuum type.



< KTG-16W in the STG-11 chamber >



Specifications

Model	KTG-16W01
Stroke	±2 degree (Fine) 360 degree (Coarse)
Eccentricity	3 um / 360 degree
Wobble	±1 arcsec / 360 degree
Resolution (Half-step)	0.0025 arcsec / step
Actuator	5-Phase Stepping Motor (Fine) Manual (Coarse)
Load Capacity	20 kg (Horizontal) 10 kg (Vertical)
Weight	55 kg
Dimension	332 x 375 x 316.5 mm ³

Features

◆Two rotation tables
are together with
common rotation axis.

◆Both tables are
driven independently
by tangent bar
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 ±2°
and a resolution 0.005
arcsec / Full step.

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