

## Non Magnetic & High Resolution $\theta$ Table

This  $\theta$  table has a ceramic rotation guide and an ultrasonic motor in order to provide a non magnetic system.

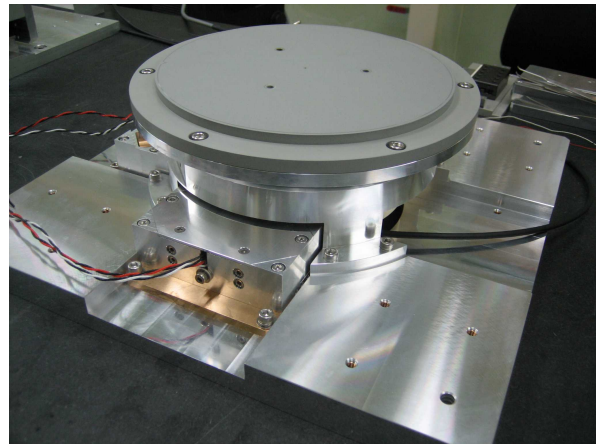
Our ultrasonic motor, **VSM**, originally developed by ourselves is able to obtain a high speed & high resolution positioning.

There is an Electrostatic Chuck made of **Zero Expansion Stiffness Ceramics** naming **ZPF** on top of the table.

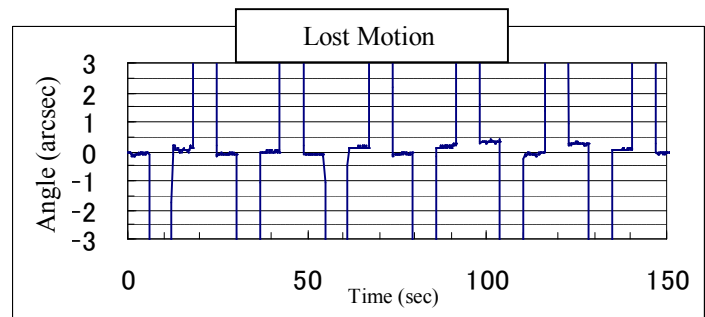
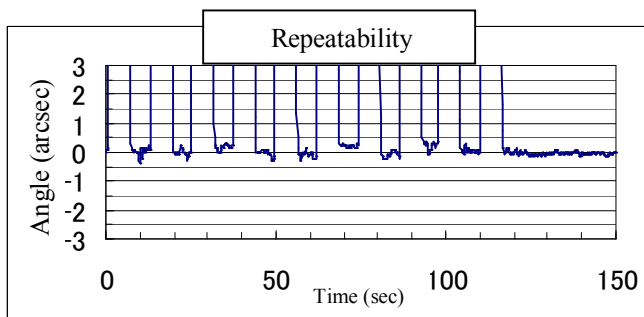
This  $\theta$  table achieved ultra high resolution positioning system and it is available for silicon wafer inspection equipment using an electron beam in a high vacuum condition.

- ◇Magnetic noise : < 10nT
- ◇Velocity : 200 deg/s
- ◇Resolution : 0.072 sec
- ◇Repeatability \*) :  $\pm 0.3$  sec
- ◇Lost motion \*) : <  $\pm 0.1$  sec
- ◇Surface flatness : < 5 $\mu$ m

\*) JIS B6330



### 【Resolution Data】



### 【Applications】

- ◇Inspection equipment requiring non magnetic field
- ◇Inspection equipment with transmission type
- ◇High resolution angle measurement system
- ◇Collimating for optical mirror