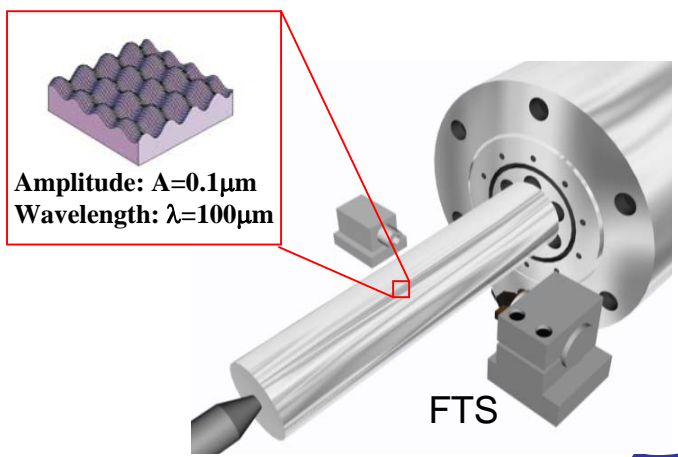
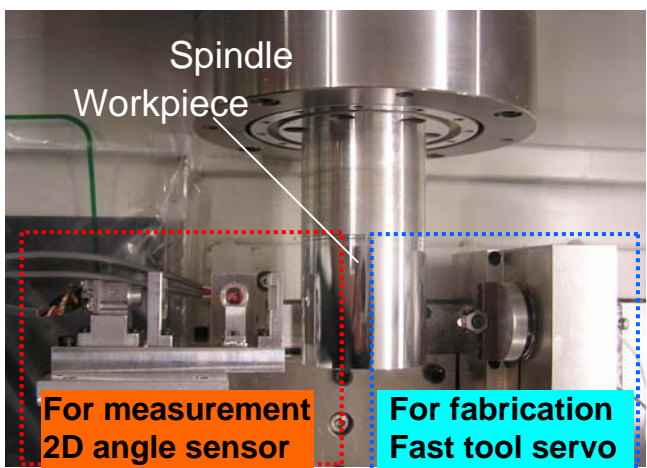


# Fabrication and evaluation of a large-area microstructured cylindrical surface

## Purpose

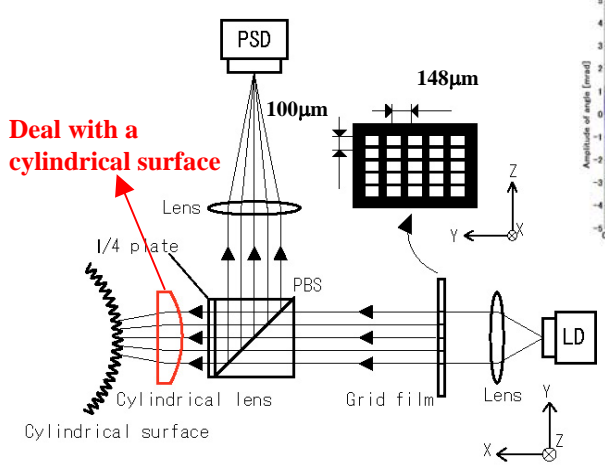
To fabricate a large-area microstructured cylindrical surface with high precision

## Fabrication and Evaluation System

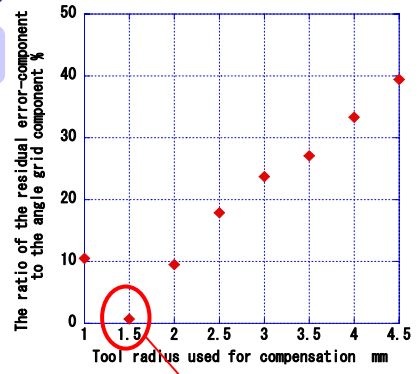
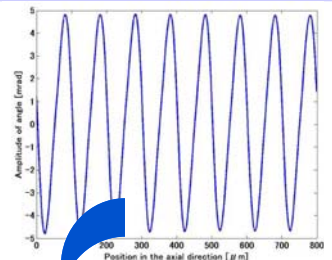


## Evaluation and Fabrication with High Precision

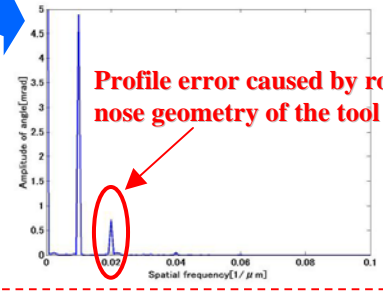
### Sensor for evaluation



### Improvement of accuracy



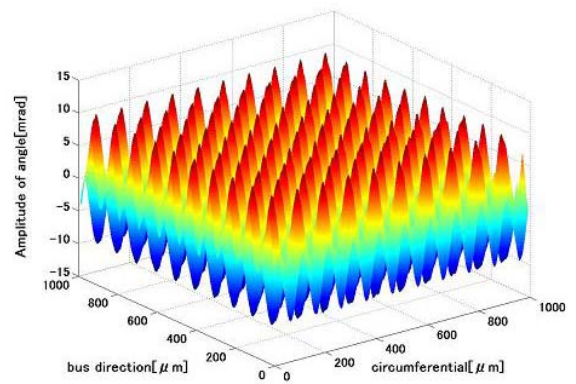
### Discrete Fourier Transform(DFT)



Profile error caused by round nose geometry of the tool

Tool radius of the actual cutting point

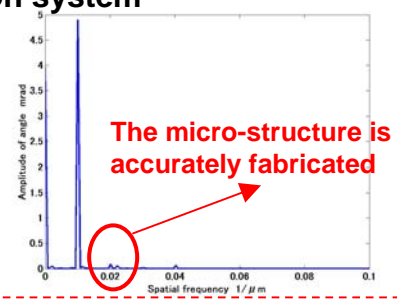
### Three-dimensional measurement result



Reflected the measurement result in the fabrication system

Profile error Over ten nm

1 nm



The micro-structure is accurately fabricated