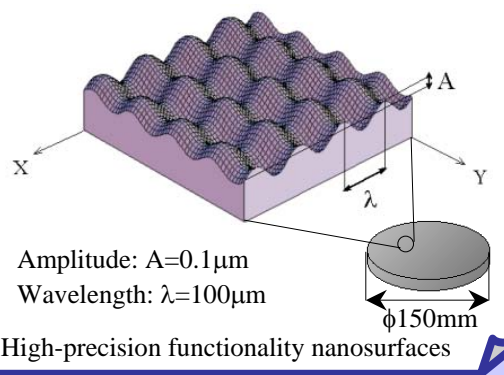
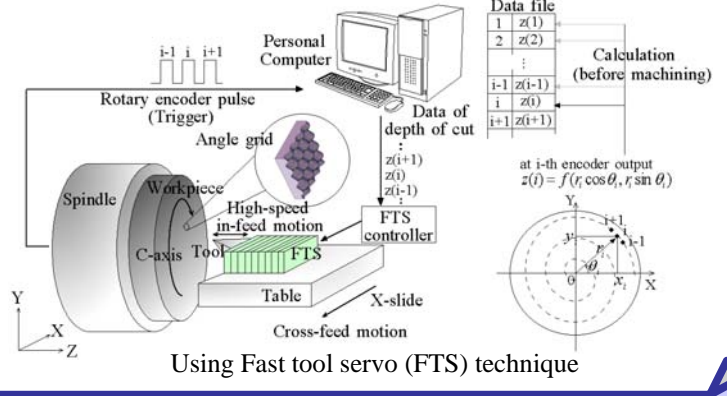


# Generation of large-area microstructured surface

## Microstructured surface

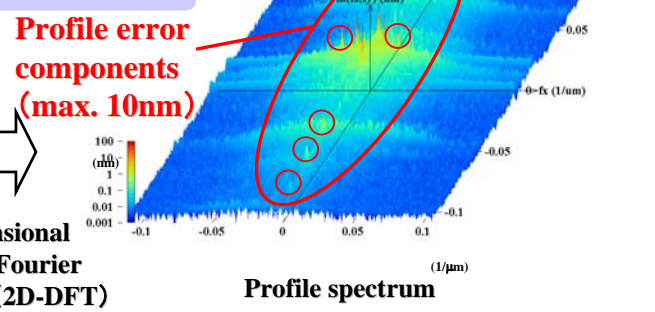
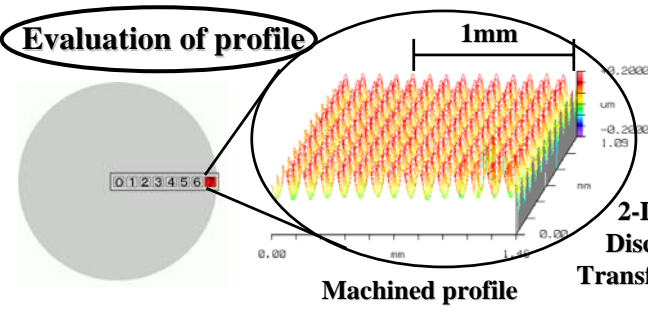


## Principle of generating microstructured surface



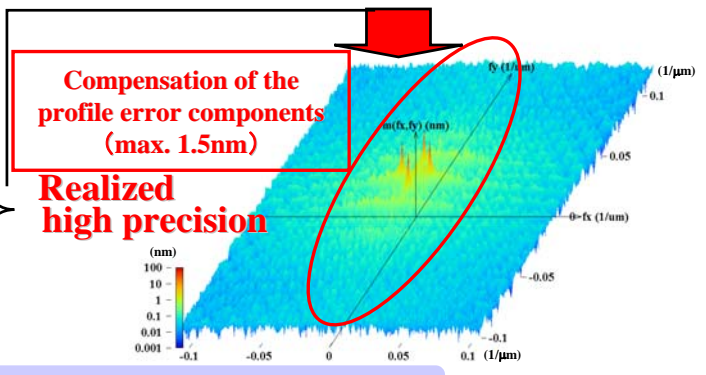
## Improvement of the fabrication accuracy

### Improvement of the profile accuracy in local area (1mm order)



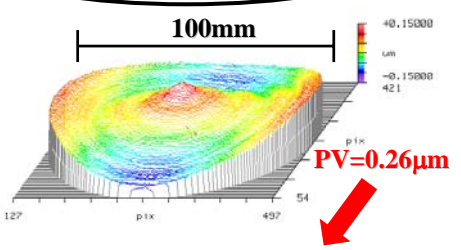
### Compensation

- Profile error caused by round nose geometry of the tool
- Profile error caused by data digitization
- Tool centering error

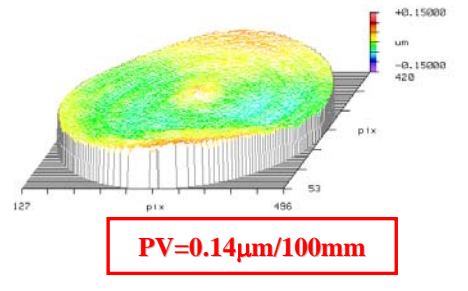
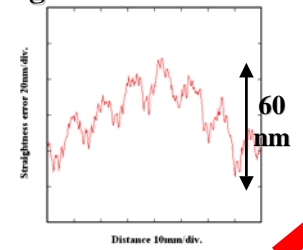


### Improvement of the profile accuracy (=flatness) in global area (100mm order)

### Evaluation of flatness



### Straightness error of X-slide



Come from motion error of the machine tool → High precision measurement of motion error

Remanufacturing  
 Realized high precision