

YOSHIOKA LAB.

Controlled Precision Machining



Department of Mechanical and Biofunctional Systems

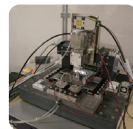
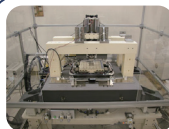
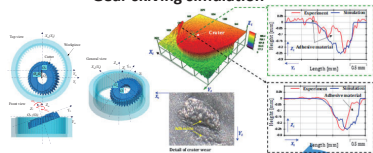
Production Engineering

Department of Mechanical Engineering, Graduate School of Engineering

<https://yoshioka-lab.iis.u-tokyo.ac.jp/>

- Realization of Advanced Machining Technology
- Control of Machining Factors nearby Machining Point

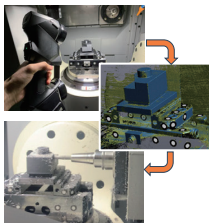
Gear skiving simulation



Development of ultraprecision system

- Ultraprecision machining system
- Ultraprecision measuring system

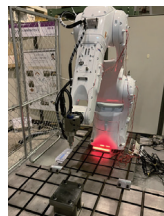
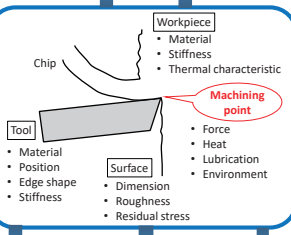
Flexible machining system



- Non-specialized jig machining
- Automated production systems



- Scheduling optimization
- Quantum Annealing Computation



Robotic automation system

- Robotic machining system
- Process automation
- Flexible manufacturing system

Fast Tool Servo for Milling process

- Axial Positioning of Cutting Tool
- Texturing on Curved Surface

