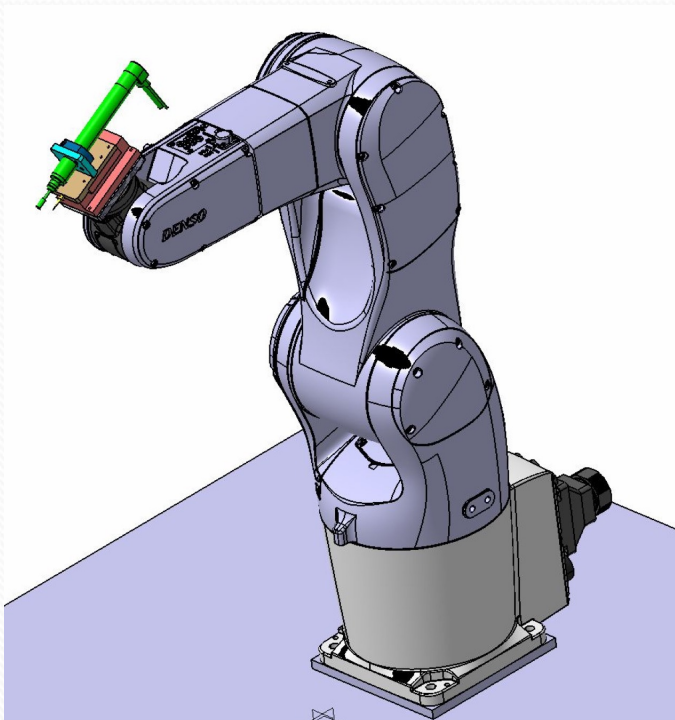# High Precision Force Control of Multi-Axis Robot

What should the robot acquire to be a substitute for human beings
→ High precision force control
→ Fast, precise and optimal motion

Multi-axis robot

Negative points of robot:
○ Angle transmission error
○ Difficulties to generate optimal path

Study themes:
○ High precision force estimation/ force control
○ Optimal path generation based on LMI (Linear Matrix Inequalities)