

Polishing Robot Package

Challenges in polishing work sites

- 3K work is not attracting young workers and there is a shortage of manpower.
- Quality is unstable, depending on the operator.
- Impact on workers due to working environment (dust, heavy workload)

Polishing Robot Contributes to Productivity Improvement

- Uniform polishing grain and stable finish are achieved by load control.
- Automation from roughing to finishing with a single robot

Equipped with dedicated grinding and **polishing instructions**

Easy numerical input of machining conditions from teach pendant (pushing force, spindle rotation speed, etc.)









Polishing Robot Package

Automatic grinding to target residual height

- Detects the height of the excess height using a laser sensor
- Estimates the degree of abrasive wear based on the amount of grinding before and after grinding.
- Automatic tool change to new abrasive

Workpiece loading/unloading can be automated

- Workpiece exchange by cooperative robots without human intervention in a dusty environment
- Detects approaching workers and automatically switches operation speed











Collaborative robots ideal for handling applications

Ideal for handling applications

- 12kg payload + long reach of over 1.4m
- Built-in application cable minimizes cable interference to peripheral devices
- By expanding the movement range of each axis,
- Capable of handling in various postures (compare VC4)

High Safety

- Arm shape to mitigate impact upon contact and prevent pinching
- Decelerate or stop before contact with a person by area sensor

