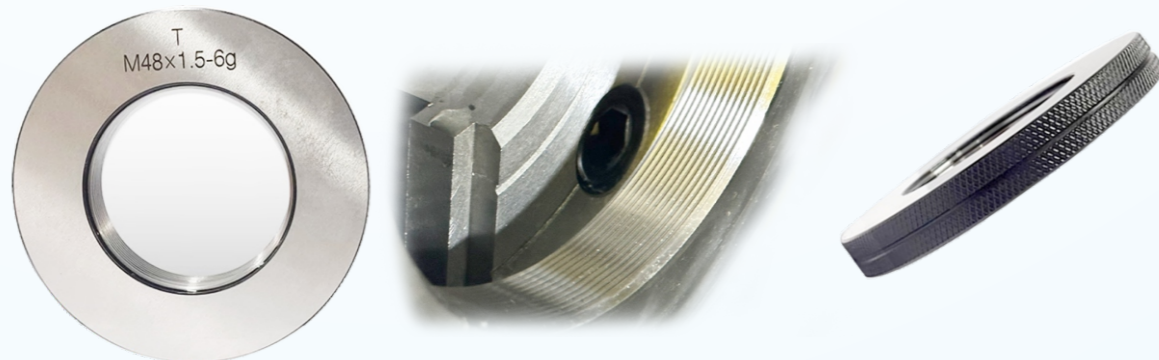


SMKI503A CNC Internal Thread Grinder

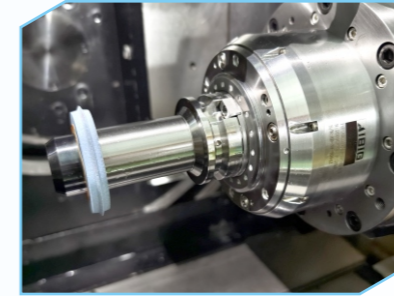


- It is professional to grinding Internal thread , automatic dressing V thread and trapezoid thread for grinding wheel
- The machine bed is T type design ,X/Z axis install linear encoder and C axis with round encoder to get accurate position feedback
- A axis motor let internal grinding wheel to swing angle $\pm 25^\circ$ by automatic program

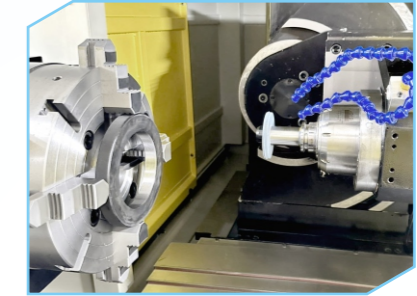


STANDARD CONFIGURATION

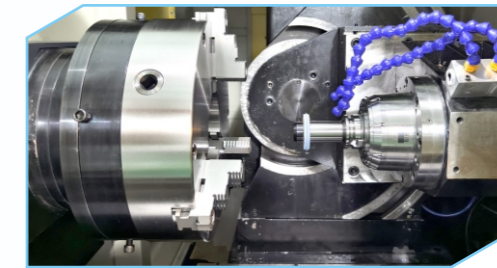
- Siemens 828D control system
- Internal grinding spindle
- Heidenhain grating ruler X/Z/C axis
- Cutting fluid filtration system
- Spindle coolant system
- Compressed air drying device
- 4-jaw chuck
- Cabinet air condition
- Automatic lubrication system
- Oil mist absorber
- Center rest



Different grinding wheel profiles can be dressed according to the process



Standard 4-jaw chuck adapts to more workpiece shapes



Turntable set up lead angle a-axis $\pm 25^\circ$ for grinding large angel and pitch thread with automatic

TECHNICAL SPECIFICATION:

| Model | SMKI503A | |
|-------------------------------|----------|-----------------|
| Capacity | | |
| Max.grinding thread diameter | mm | Φ230 |
| Max.length of grinding thread | mm | 300 |
| Center height | mm | 250 |
| Helix angle | | $\pm 25^\circ$ |
| Max.workpiece weight | kg | 150 |
| Wheel head | | |
| Max.spindle speed | rpm | 20000 |
| Spindle power | kW | 20 |
| Spindle taper | | Bt40 |
| Wheel dresser | | |
| Dressing wheel size(OD×ID×W) | mm | Φ100-150×Φ25×30 |
| Max.spindle speed | rpm | 10000 |
| Headstock spindle | | |
| Headstock speed | rpm | 0-100 |
| Rated torque | Nm | 300 |
| X/Z axis | | |
| X/Z axis travel | mm | 350/500 |
| X/Z Servo motor torque | Nm | 16/27 |
| A axis | | |
| A axis swing angle | | $\pm 25^\circ$ |
| A axis motor torque | Nm | 16 |
| Other | | |
| Total power | kW | 30 |
| Machine size (L/W/H) | mm | 3000/2600/2000 |
| Machine weight | T | 8 |