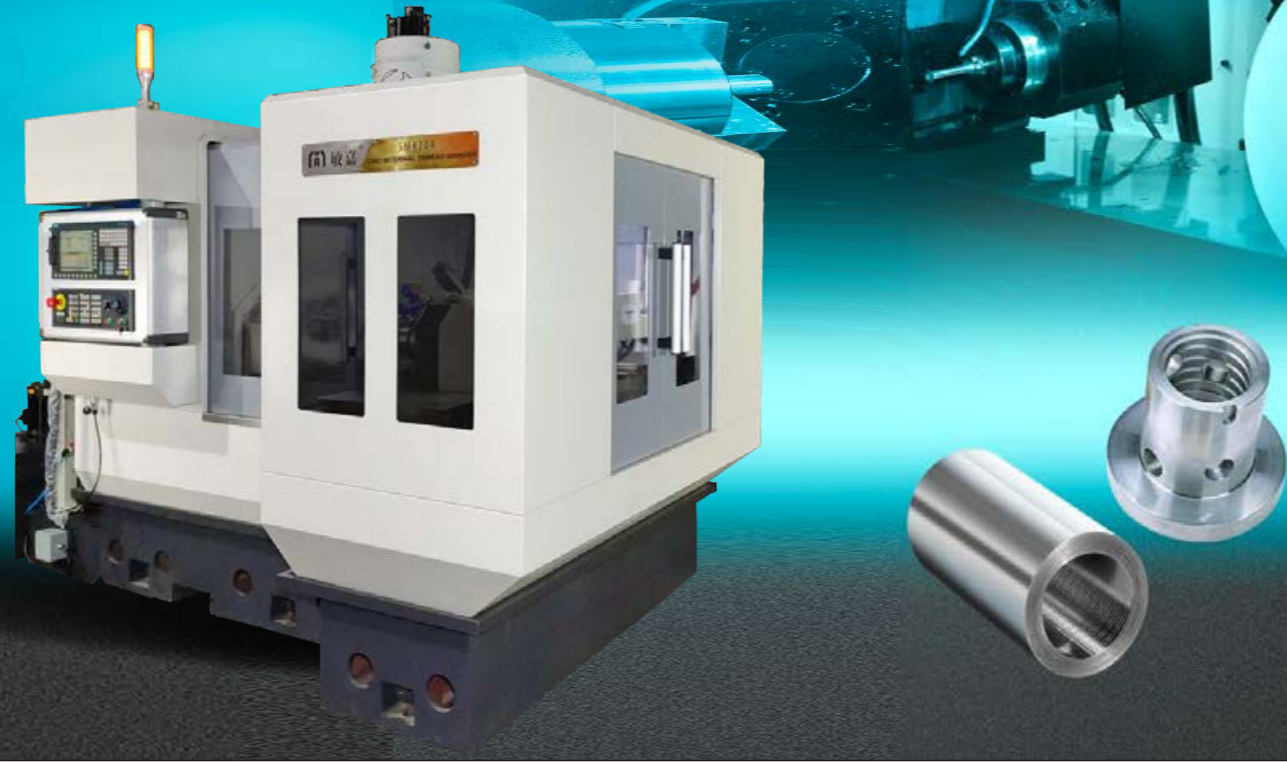


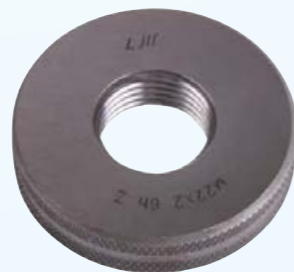
# SMK304

## CNC Internal Thread Grinder



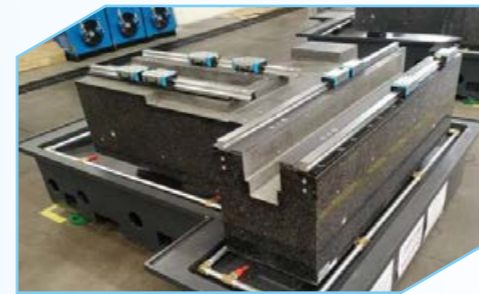
### Grinding for Internal Thread and cylindrical

- The grinding machine is professional to processing in ball nut of Internal thread, cylindrical and ending surface for once clamping.
- T type mineral casting frame get better in vibrating and heat distortion.
- The diamond dressing wheel install on Z axis, and let grinding wheel dressing amount can be compensated automatically.
- A axis motor let internal grinding wheel to swing angle  $\pm 25^\circ$  by automatic program.

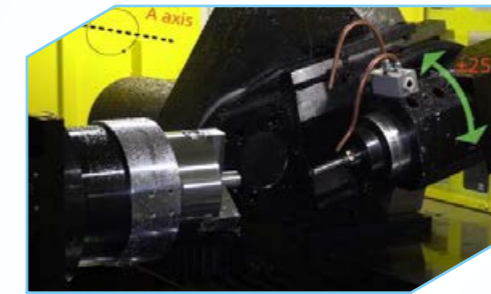


### STANDARD CONFIGURATION

- Siemens 828D control system
- Internal thread grinding spindle
- Cylindrical grinding spindle
- C/X/Z axis grating ruler
- Spindle Oil cooler
- Compressed-air dryer
- Oil mist absorber
- Automatic tool setting probe
- Diamond grinding wheel dresser
- Hydraulic three-jaw chuck
- Automatic lubrication system
- Cabinet air condition
- Cutting fluid filtration device



T type granite base stand



A axis swing angle  $\pm 25^\circ$  by automatic



Spindle runout 0.003mm



X axis and Z axis will interpolation dressing together.

### TECHNICAL SPECIFICATION:

Model	SMK304		
Capacity	Max.grinding internal thread diameter	mm	$\phi 12 \sim \phi 100$
	Max.grinding internal thread length	mm	150
	Max.lead angle	degree	R $25^\circ$ /L $25^\circ$
Processing accuracy	Thread surface roughness	$\mu m$	Ra0.32
	Outer cylindricity	mm	0.004
External grinding wheel spindle	Max.spindle speed	rpm	3000
	Spindle power	kW	5.5
	External grinding wheel size	mm	$\phi 400 \times 32 \times \phi 127$
Internal thread grinding wheel spindle	Max.spindle speed	rpm	36000
	Spindle power	kW	8.5
Diamond wheel	Wheel size(OD $\times$ ID $\times$ TH)	mm	$\phi 100 \times \phi 25 \times 30$
	Max.spindle speed	rpm	10000
Workpiece spindle	Spindle speed	rpm	0 ~ 100
	Rated power	kW	9.5
X/Z axis	Machine travel (X/Z)	mm	650/350
Other	Machine size(Length*width*height)	mm	3100/2000/2410
	Machine weight	T	6