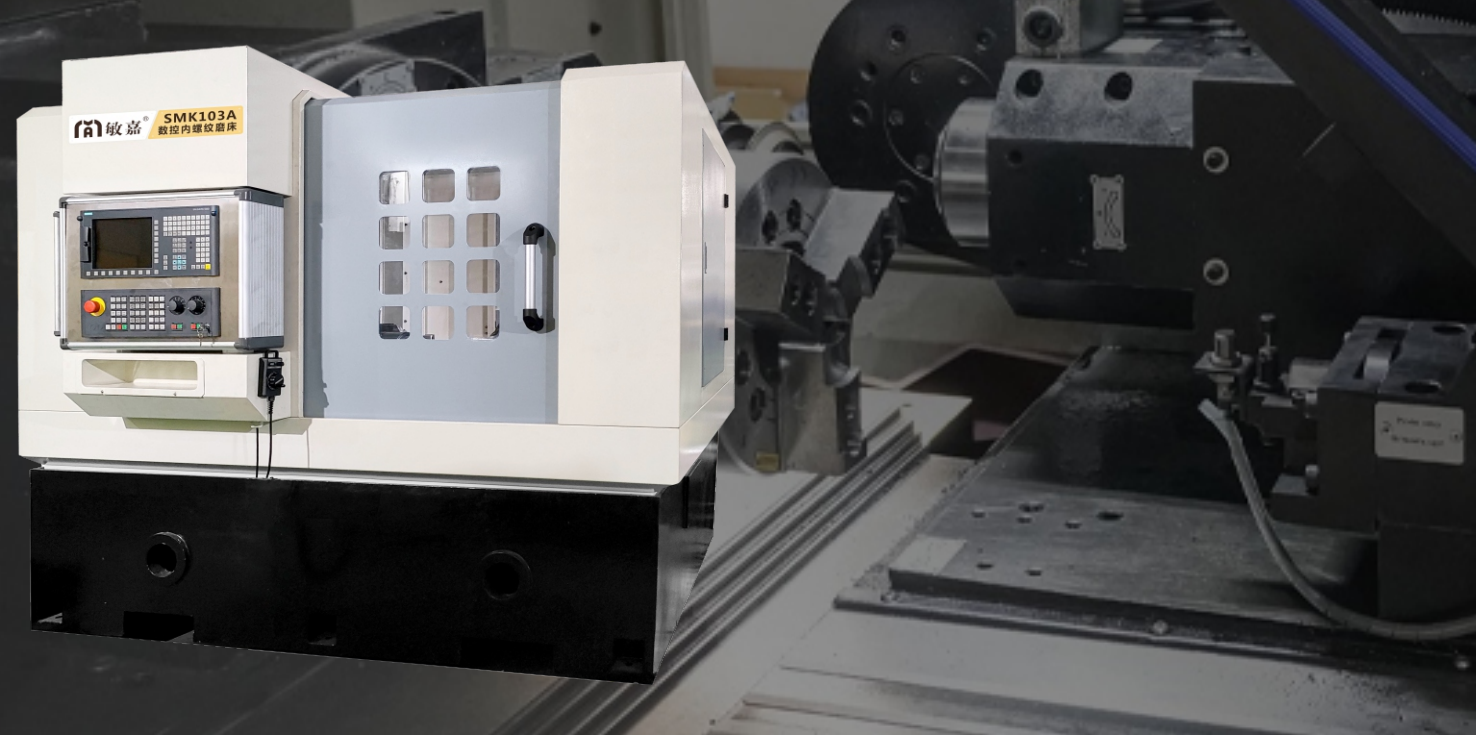


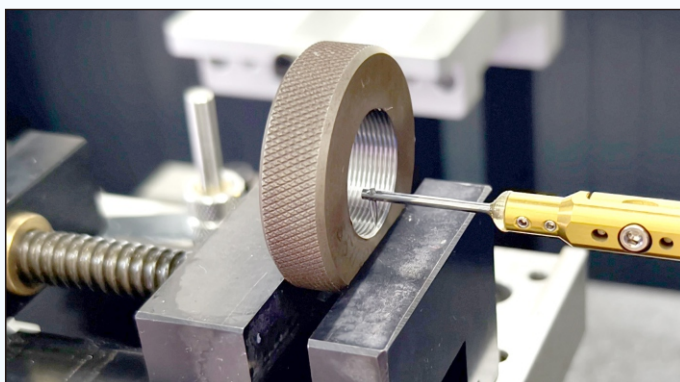
# SMK103A

## CNC Internal Thread Grinder



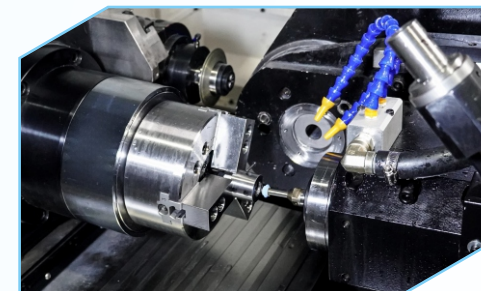
### M10-M70 Internal Thread Grinding

- The machine is a precision suitable for grinding all type internal thread ,such as ball nuts , thread gages, rolling dies
- Grinding internal thread diameter range  $\Phi 10-70\text{mm}$ , length up to 100mm
- 2th development user friendly interface will be easy setting program through drawing
- Grinding spindle speed can choice customized 24000rpm/36000rpm/60000rpm/90000rpm as different grinding ID size

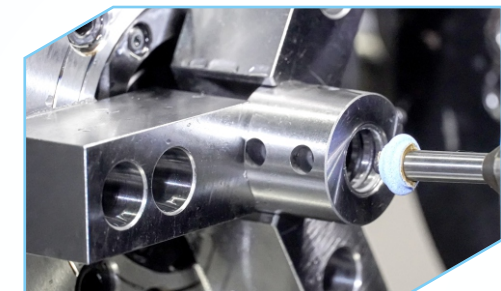


### STANDARD CONFIGURATION

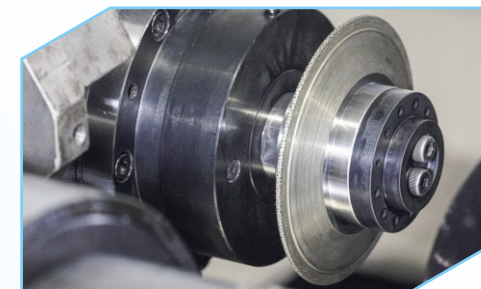
- Siemens 828D control system
- Internal grinding spindle
- X/Z/C axis encoder
- Cutting fluid filtration system
- Spindle coolant system
- Compressed air drying device
- Cabinet air condition
- Automatic lubrication system
- Oil mist collector
- 3-jaw chuck
- Diamond dressing wheel device
- Automatic position probe



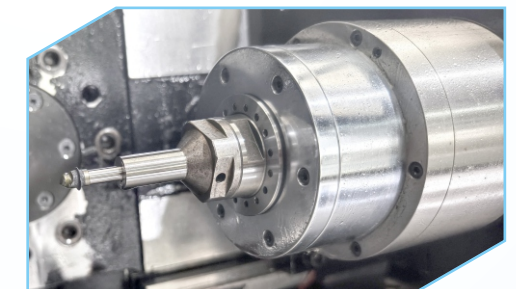
Grinding internal thread with helix angle L/R 25°



Workpiece rotation control with high-precision encoder



Dressing device for wheel with different kind profile



Grinding spindle speed customized 24000/36000/60000rpm

### TECHNICAL SPECIFICATION:

Model			SMK103A
Capacity	Grinding thread diameter	mm	$\Phi 10\sim\Phi 70$
	Max. length of grinding thread	mm	100
	Helix angle		R 25°/ L 25°
Grinding wheel spindle	Max.Spindle speed	rpm	36000
	Spindle power	kW	8.5
A axis	Swing angle drive motor		3000rpm/2.3kW/11Nm
	Swing angel		0~25°
Dressing wheel spindle	Dressing wheel size(OD×ID×W)	mm	$\Phi 100\times\Phi 25\times 30$
	Max.Spindle speed	rpm	6000
Headstock spindle	Spindle speed	rpm	0~100
	Power	kW	7.5
	Angular Accuracy		0.001°
X/Z axis	X/Z axis travel	mm	300/300
	Linear positioning accuracy	mm	0.001
Other	Total power	kW	45
	Air pressure	MPa	0.6
	Coolant water volume	L	500
	Machine size (L×W×H)	mm	2440×1500×2100
	Machine weight	T	5