

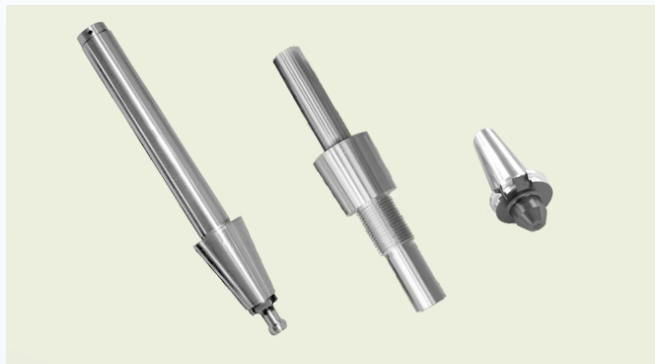
WNM400

High Precision CNC Complex Grinder



### Grinding External -Internal-Unround

- Roundness 0.5μm/Straightness 2μm/Roughness < Ra 0.4μm
- Cast mineral composite bed with optimum vibration dampening
- Hydrostatic headstock/tailstock/wheel head spindle to keep excellct dimensional accuracy
- B-axis index 0.001° turntable with torque motor by +-180° swiveling for wheel

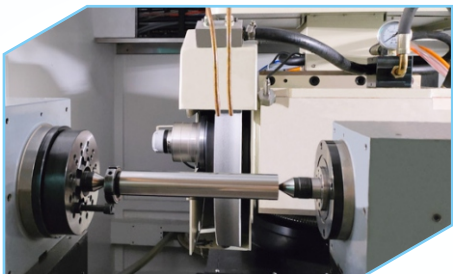


#### STANDARD CONFIGURATION

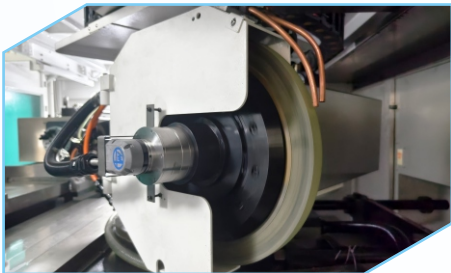
- Siemens 828D control system
  - Hydrostatic tailstock
  - Hydrostatic external grinding spindle
  - Hydrostatic headstock
- Internal grinding spindle
  - X axis linear motor drive
  - compressor air dryer
  - Oil mist collector
- Cutting fluid filtration system
  - Oil cooler of spindle
  - Grinding wheel balancing system



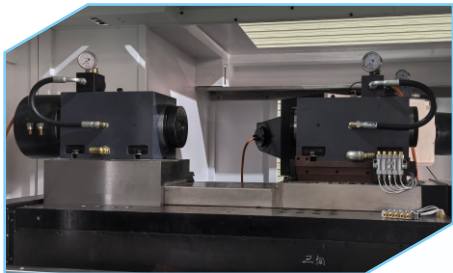
Mixed mineral base stands with low expansion coefficients



Hydrostatic wheelhead grinding high precision workpiece



B-axis index 0.001° turntable with swiveling wheel



Hydrostatic spindle built in headstock and tailstock, keep running high precision and life

#### TECHNICAL SPECIFICATION:

Model			WNM 400
Capacity	Two center distance	mm	400
	Max. grinding length	mm	300
	Center height	mm	125
X axis	Max. travel	mm	320
	Speed	mm/min	15000
Z axis	Max. travel	mm	550
	Speed	mm/min	6000
B axis turntable	Swing range	kW	-15° ~ +195°
	Motor power	kW	2.2
External grinding spindle	Grinding wheel size ( OD×W×ID )	mm	500×32 ~ 50×305
	Power	kW	5.5
	Grinding wheel peripheral speed	m/s	50
Internal grinding spindle	Power	kW	8.5
	Internal grinding spindle speed	r/min	30000
Headstock	Max. speed range	r/min	250
	Taper		MT4
	Drive motor	kW	2.2
Tailstock	Taper		MT4
	Cylindricity adjustment	μm	±40
	Total machine power	kVA	35
	Air pressure	MPa	0.6
	Machine weight	T	12