

VMK324C

CNC Vertical Complex Grinder



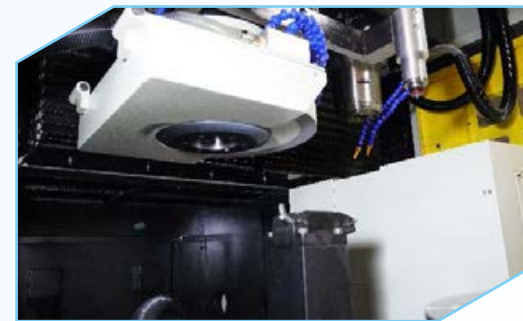
CNC Vertical Multi-Process Grinding Machine

- The machine have multi-processing capability and high accuracy of grinding ID, OD and end face, optional inner gear.
- The design of honeycomb Tubular type machine bed and cross guideway structure for improving the higher rigidity and stability.
- External grinding wheel fixed (VMK325 optional inner gear grinding wheel) and 8pcs internal grinding wheels for different diameter in ATC.
- X/Y/Z axis follow high precision scale to improve Repetition accuracy when moving.

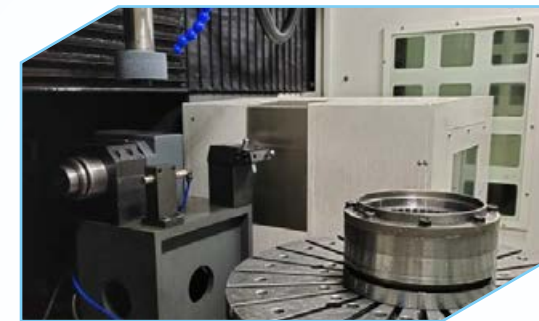


STANDARD CONFIGURATION

- Siemens 828D control system
- External grinding wheel spindle
- Internal grinding wheel spindle
- Automatic lubrication systems
- Compressed air dryer
- Spindle cooling system
- Cutting fluid filtration system
- Cabinet air condition
- Automatic lubrication system
- Oil mist absorber
- Electromagnetic chuck
- Positioning probe for grinding wheel



External grinding wheel



8-station magazine tool



Turntable with grating scale to improcvce precision



Internal grinding process

TECHNICAL SPECIFICATION:

Model			VMK324C	VMK325B
Capacity	Grinding diameter	mm	66-500	100-1000
	Max. grinding length	mm	300	350
	Turntable diameter	mm	Ø500	Ø1000
Machining accuracy	Roundness	mm	0.003	0.003
	Cylindricity	mm	0.002/100	0.002/100
	Flatness	mm	0.0025/30	0.0025/30
X/Y/Z/W Axis	Rapid speed	mm/min	10000	5000
	X/Y/Z/W Axis travel	mm	750/550/350/350	750/750/370/370
"Workpiece spindle (C Axis) "	Spindle motor power	kw	4.96	4.36
	Spindle speed	rpm	100	75
	Turntable bearing weight	Kg	≤ 750	≤ 1500
Customized grinding wheel spindle	Max. Spindle speed	min-1	3500(external grinding)	8000(Internal gear grinding)
	Motor power	kw	7.5	15
	Grinding wheel size	mm	1-400*(20-32)*127	/
Internal grinding wheel spindle	Max. spindle speed	Rpm	15000	18000
	Rated power	kw	20	20
Magazine tool	Tool number		8pcs	8pcs
Machine specification	Machine size (L × W × H)	mm	2600*2700*2700	3150*2700*3100
	Machine weight	t	11	16