

JIANYE UNITY CO.,LTD.



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📺 YouTube @jianyemachines

📘 Facebook Jianye Machine tool



MINJIA MANUFACTURING TECHNOLOGY CO.,LTD.

📍 Guangzhou plant: NO.35 Wenfa RD.,Dawen,Dongchong,Nansha,
Guangzhou,China.



IMPROVE PRODUCTION

We support customized
CNC machine tool solution

* We reserve the right to modify technical parameters and configurations as improving.





Cost-effective machine solution

High precision complex CNC machine

Follow drawing requirement to customized machine

LEAD CUSTOMER
INTO INDUSTRY
4.0 > > >

COMPANY

JIANYE is oversea marketing and service platform of MINJIA manufacturing technology Co.Ltd.

Main product: CNC Grinding machine, Turn-Mill Center, CNC lathe machine, Multi-spindle VMC
CNC customized machine , Automatic product line solution.

We establish successful machine project in Germany ,Italy, Lithuania ,Turkey, Brazil ,Russia, Bangladesh.

We have rich experience to provide machine solution to product motion and compressor parts .

According our team over **20 years** oversea development and quality service, let customer to get lower cost machine solution and improve manufacture effective.



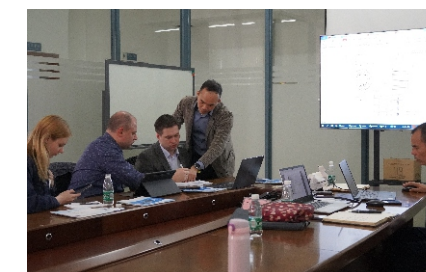
Guangzhou plant since 2001



Product workshop



Workpiece inspectionlab



Technology meeting with
Customer



Professional export
Shipment



Machine laser
Detection



Training for operation
And repair service

Honor customers



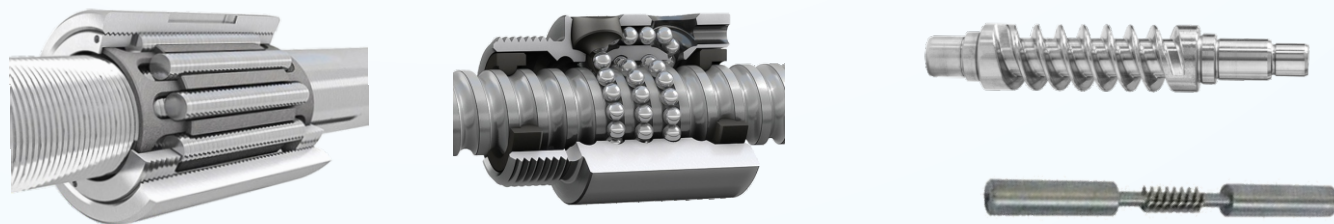
SWM1503

CNC External Thread Grinder



Grinding External Thread -Circular

- The machine base and bed design together ,and adopt mixed mineral for guarantees high dimensional accuracy
- Suitable grinding external different type thread, such as ball screw, worm shaft, rolling dies, guage
- Grinding helix angle $\pm 25^\circ$ and multi-starts thread ,min pitch 0.3mm
- Automatic wheel wearing compensation

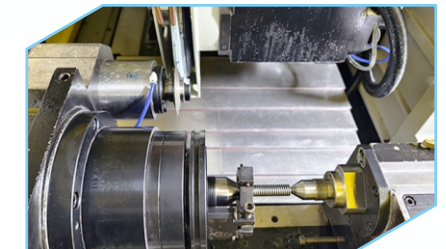


STANDARD CONFIGURATION

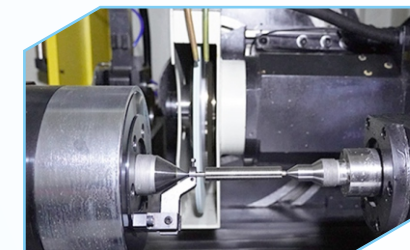
- Siemens 828D control system
- External grinding motor spindle
- X/Z/C axis encoder
- Cutting fluid filtration system
- Spindle coolant system
- Compressed air drying device
- Cabinet air condition
- Automatic lubrication system
- Oil mist collector
- Steady rest
- Manual tailstock
- Diamond dressing wheel device



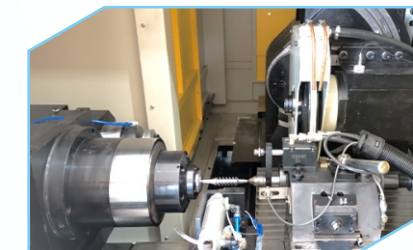
Machine base and bed adopt mixed mineral



Diamond dressing wheel device



Grinding small lead pitch



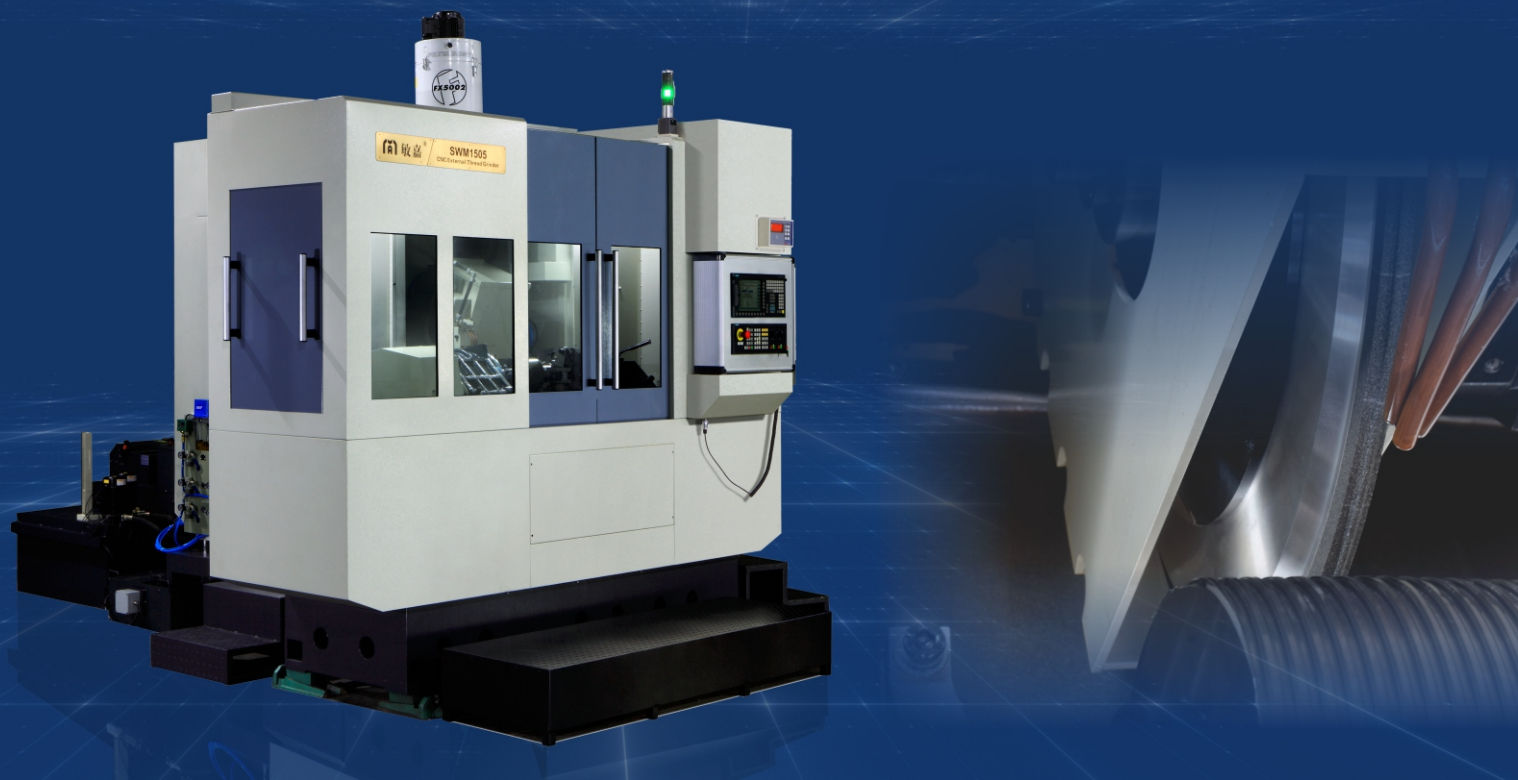
Speical fixture for automatic loading-unloading

TECHNICAL SPECIFICATION:

Model		SWM1503
Capacity		
Max.length of grinding thread	mm	300
Max.grinding diameter	mm	100
Max.distance between center	mm	350
Max.lead angle		$\pm 25^\circ$
Machining accuracy		
Pitch deviation	mm	0.004
Thread surface roughness	μm	0.32
Wheelhead		
Dressing wheel size(OD \times TH \times ID)	mm	$\Phi 500/10-25/\Phi 305$
Spindle speed	min-1	150-1750
Motor power	kW	7.5
Wheel dresser		
Dressing wheel size(OD \times TH \times ID)	mm	$\Phi 80 \times \Phi 25 \times 30$
Max.spindle speed	rpm	10000
Headstock		
Spindle speed	rpm	0-100
Motor power	kW	10.35
X/Z axis		
Travel	mm	350/500
Mini. feed	mm	0.0001
Other		
Machine weight	T	8.5
Machine size(L/W/H)	mm	3300/2950/2150

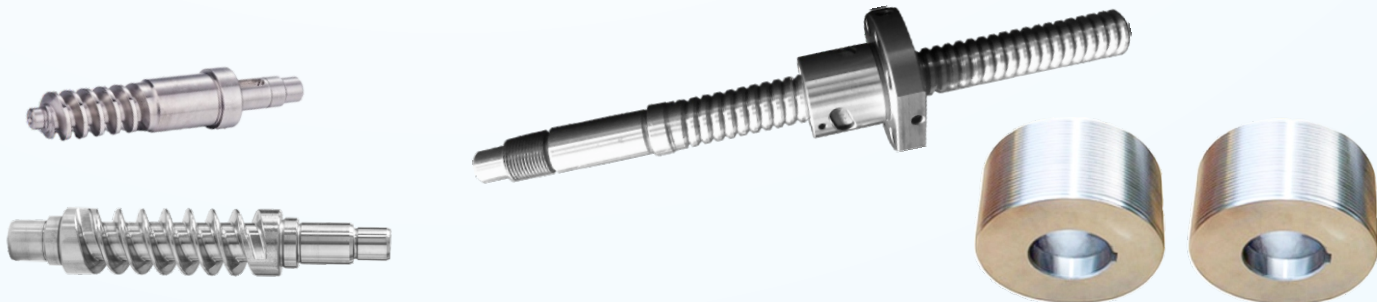
SWM I 507A

CNC External Thread Grinder



Grinding External Thread -Circular

- The machine base and bed design together ,and adopt mixed mineral for guarantees high dimensional accuracy
- Suitable grinding external different type thread, such as ball screw, worm shaft, rolling dies, steering component
- Grinding helix angle $\pm 30^{\circ}$ and multi-starts thread ,min pitch 0.3mm
- Automatic wheel wearing compensation

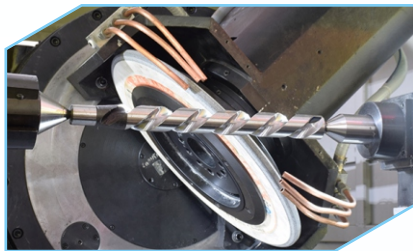


STANDARD CONFIGURATION

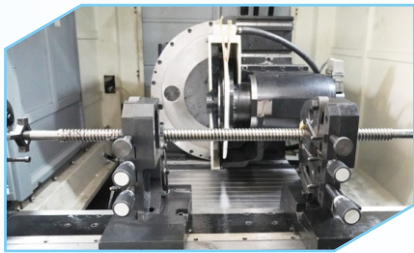
- Siemens 828D control system
 - External grinding spindle
 - X/Z/C axis encoder
 - Cutting fluid filtration system
 - Spindle coolant system
 - Compressed air drying device
 - Cabinet air condition
 - Automatic lubrication system
 - Oil mist collector
 - Steady rest
 - Manual tailstock
 - Diamond dressing wheel device



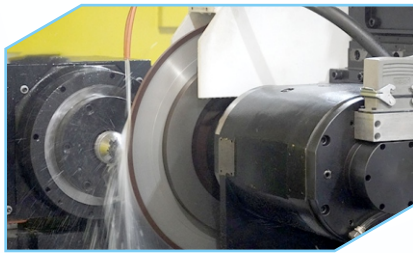
Automatic dressing for wheel



Grinding screw with big helix angle



Steady rest for support long workpiece



Motor spindle of grinding wheel

TECHNICAL SPECIFICATION:

Model	SWM I 507A		SWM I 510A		SWM I 520A		SWM I 530A		
Capacity									
Max. grinding thread length	mm	650		1000		2000		3000	
Max.grinding diameter	mm	200		200		200		150	
Max.distance between center	mm	780		1200		2200		3200	
Grinding helix angle		±30°							
Machining accuracy									
Pitch deviation	mm	0.004							
Thread surface roughness	μm	0.32							
Wheelhead									
Grinding wheel size(OD×TH×ID)	mm	Φ500/10-25/Φ305							
Spindle speed	min-1	50-3000							
Motor power	kW	7.5		7.5		7.5		15	
Wheel dresser									
Dressing wheel size(OD×TH×ID)	mm	Φ100xΦ25x30							
Max.spindle speed	rpm	10000							
Headstock									
Spindle speed	rpm	0-100							
Motor power	kW	10.35		10.35		10.35		5	
X/Z axis									
Travel	mm	350/950		350/1200		350/2250		150/3300(linear motor)	
Mini. feed	mm	0.0001							
Other									
Machine weight	T	10.5		12		17		26	
Machine size(L/W/H)	mm	3500/3300/3000		4000/3300/3000		6200/3300/3000		6200/3300/3000	

WNM1505

CNC Grinder Center



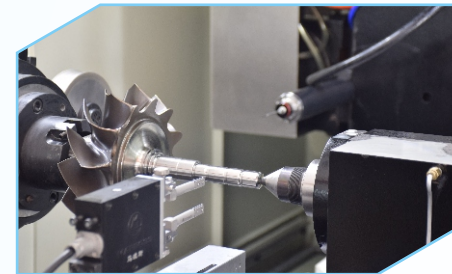
Complex External -Internal-Thread

- This machine can grind cylindrical ,inner hole ,thread for complex precision workpiece.
- 3- station hydraulic turntable can change 3 type different grinding wheel automatically.
 - Complete machining in one operation.
 - Grinding process optimisation.
 - Reduction of machining time.
- All axis install grating scale to improve precision when moving.

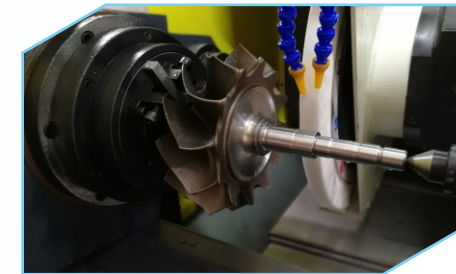


STANDARD CONFIGURATION

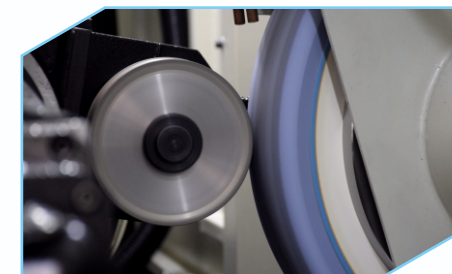
- Siemens 828D control system
- External thread grinding spindle
- Internal hole grinding spindle
- Cylindrical grinding spindle
- Heidenhain X/Z axis grating ruler
- Heidenhain Round grating ruler of C axis
- Cutting fluid filtration system
- Oil cooler of spindle
- Compressed air dryer
- Oil mist absorber
- Manual tailstock
- Automatic tool setting probe



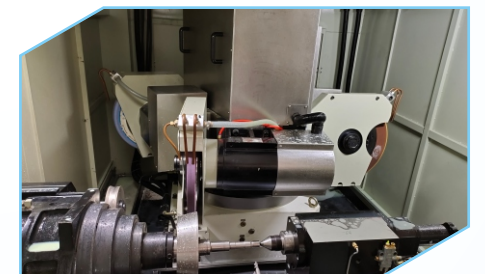
Automatic tool setting probe



Grinding cylindrical



Dressing for forming wheel



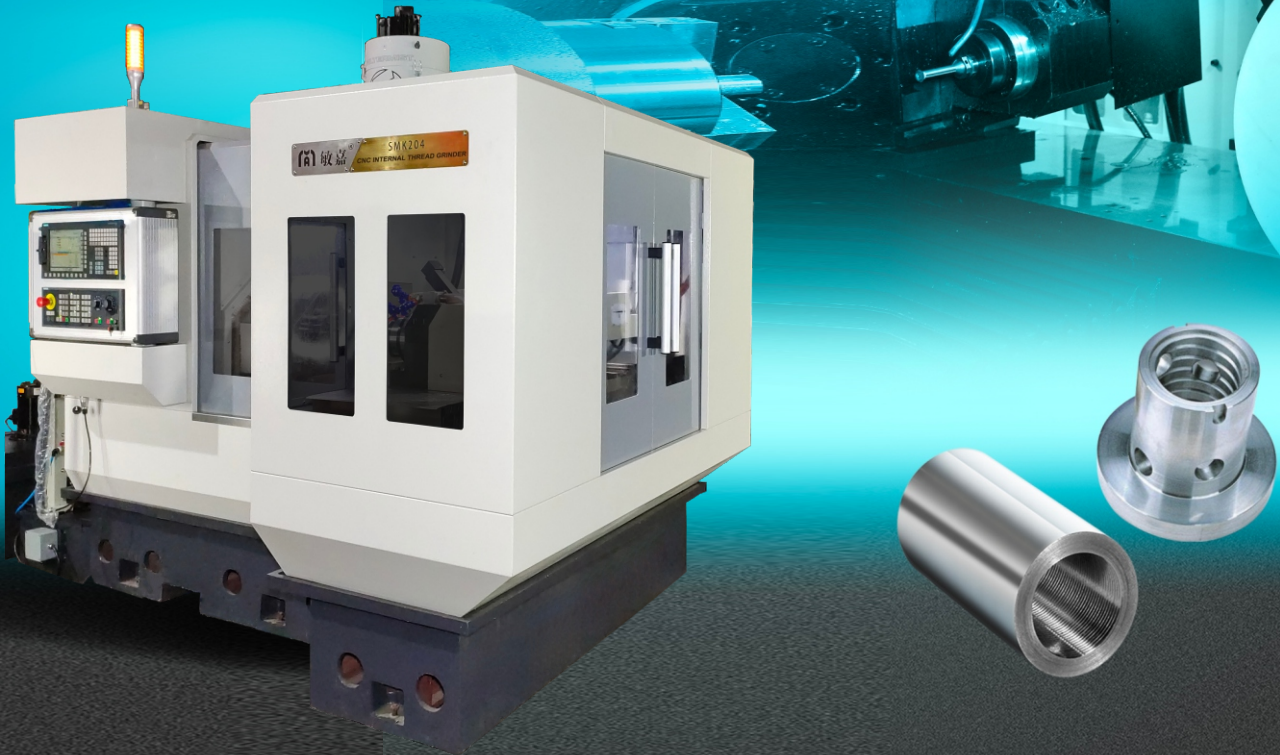
3-station customized grinding wheel

TECHNICAL SPECIFICATION:

Model		WNM1505	
Capacity	Max. grinding diameter	mm	350
	Max. Grinding length	mm	500
	Grinding inner hole diameter	mm	Φ15-Φ150
	External thread grinding diameter	mm	Φ10-Φ300
	Max.lead angle (A axis)		±25°
	B axis min. angle (Turntable)		90°(4-station)
Spindle	C axis spindle speed	rpm	0-310
	C axis spindle motor power	kW	11
	External grinding wheel spindle speed	rpm	3500
	External grinding wheel spindle motor	kW	7.5
	Internal grinding wheel spindle speed	rpm	24000
	Internal grinding wheel spindle power	kW	5.5
	External thread grinding spindle speed	rpm	5000
	External thread grinding spindle power	kW	5.5
	Diamond dressing spindle speed	rpm	10000
	Diamond dressing spindle power	kW	1.5
Travel	X/Z axis travel	mm	350/700
	Rapid feed X/Z	m/min	8/10
Other	Total power	kW	47.5
	Weight	T	15
	Machine Size(L/W/H)	mm	3900/3000/2900

SMK304

CNC Internal Thread Grinder



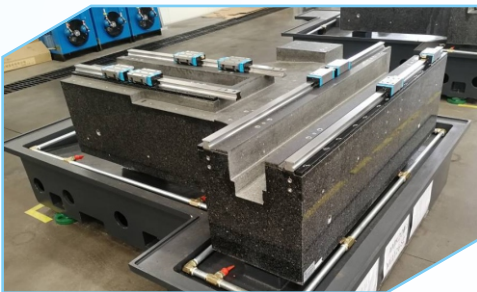
Grinding for Internal Thread and cylindrical

- 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.

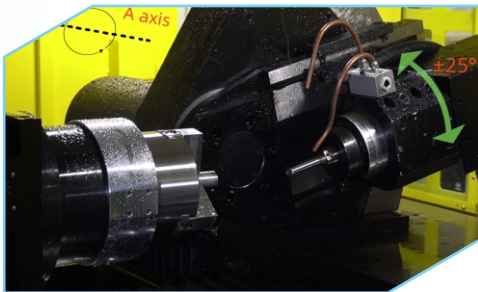


STANDARD CONFIGURATION

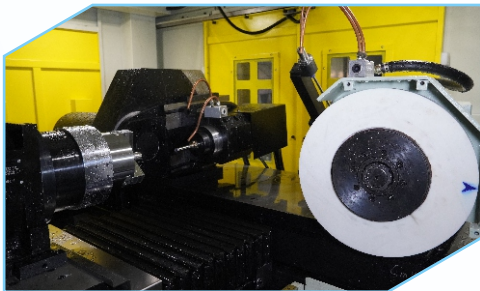
- Siemens828D control system
 - Internal thread grinding spindle
 - Cylindrical grinding spindle
 - C/X/Z axis grating ruler
 - Spindle Oil cooler
- Compressed-air dryer
 - Oil mist absorber
 - Automatic tool setting probe
 - Diamond grinding wheel dresser
 - Hydraulic three-jaw chuck
- Automatic lubrication system
 - Cabinet air condition
 - Cutting fluid filtration device



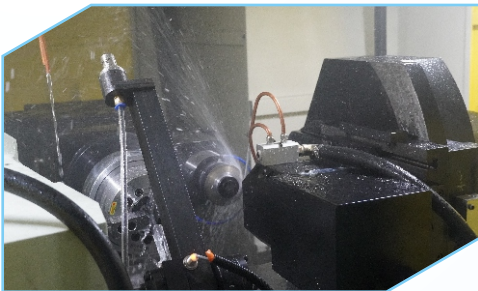
T type granite base stand



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



Spindle runout 0.003mm



X axis and Z axis will interpolation dressing together.

TECHNICAL SPECIFICATION:

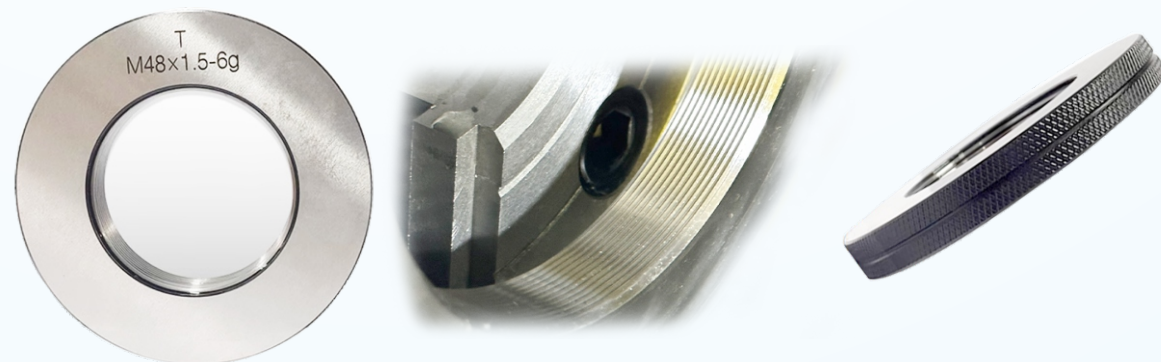
Model			SMK304
Capacity	Max.grinding internal thread diameter	mm	$\Phi 12 \sim \Phi 100$
	Max.grinding internal thread length	mm	150
	Max.lead angle		R 25°/ L 25°
Processing accuracy	Thread surface roughness	μm	Ra0.32
	Outer cylindricity	mm	0.004
External grinding wheel spindle	Max.spindle speed	rpm	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×ID×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(L/W/H)	mm	3100/2000/2410
	Machine weight	T	6

SMKI503A

CNC Internal Thread Grinder

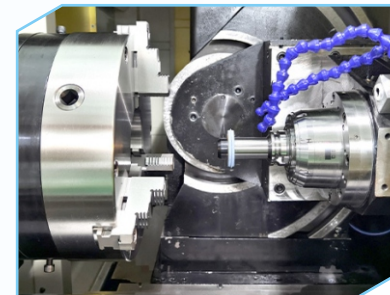


- It is professional to grinding Internal thread , automatic dressing V thread and trapezoid thread for grinding wheel
- The machine bed is T type design ,X/Z axis install linear encoder and C axis with round encoder to get accurate position feedback
- A axis motor let internal grinding wheel to swing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

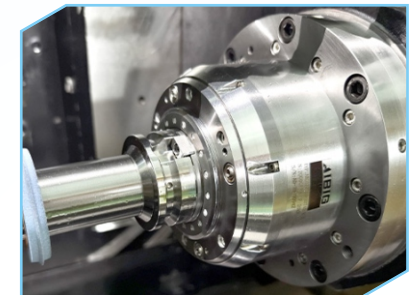


STANDARD CONFIGURATION

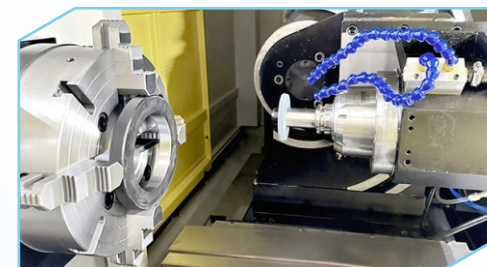
- Siemens 828D control system
- Internal grinding spindle
- Heidenhain grating ruler X/Z/C axis
- Cutting fluid filtration system
- Spindle coolant system
- Compressed air drying device
- 4-jaw chuck
- Cabinet air condition
- Automatic lubrication system
- Oil mist absorber
- Center rest



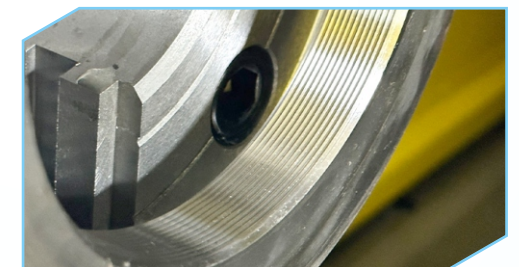
Large torque headstock for clamping big size workpiece



Faster change grinding holder with BBT40 spindle



Helix angle $\pm 25^\circ$ for internal thread grinding



Thread surface Ra0.4 μm after grinding

TECHNICAL SPECIFICATION:

Model		SMKI503A
Capacity		
Max.grinding thread diameter	mm	$\Phi 230$
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	$\Phi 100-150 \times \Phi 25 \times 30$
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

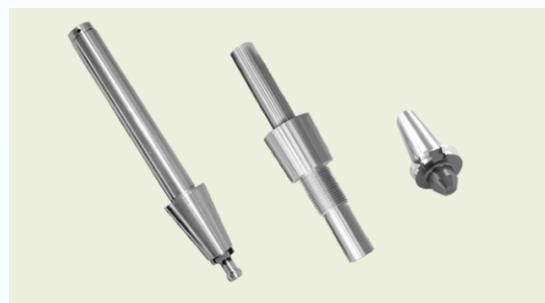
WNM400

High Precision CNC Complex Grinder



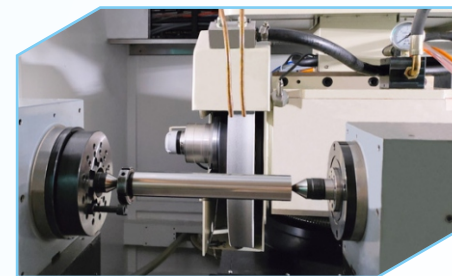
Grinding External -Internal-Unround

- Roundness 0.5um/Straightness 2um/Roughness < Ra 0.4
- Cast mineral composite bed with optimum vibration dampening
- Liquid hydrostatic suspension headstock/tailstock/grinding spindle
- B-axis with torque motor for internal and external grinding wheel changing

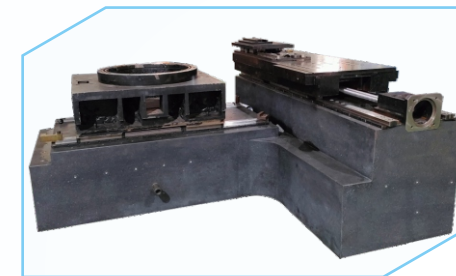


STANDARD CONFIGURATION

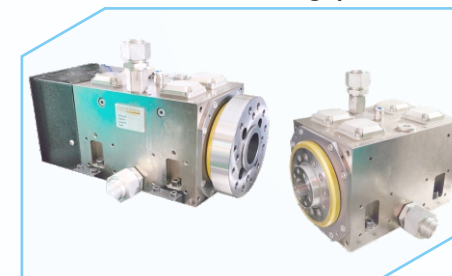
- Siemens 840DSL control system
- External grinding hydrostatic spindle
- Internal grinding spindle
- Hydrostatic suspension headstock
- Hydrostatic suspension tailstock
- X axis linear motor driver
- Cutting fluid filtration system
- Oil cooler of spindle
- Compressed air dryer
- Oil mist absorber
- External wheel automatic balancing system



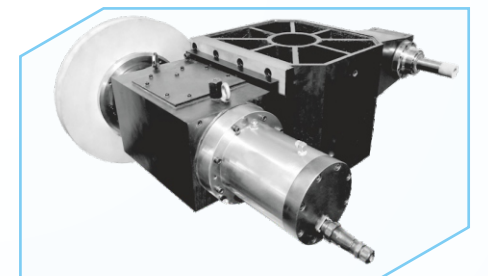
Grinding high precision workpiece as external -internal-unround



Granite base stands with low expansion coefficients
X/Z/C axis follow high precision encoder



Hydrostatic headstock and tailstock to keep running high precision and life



B axis 0.0001° division with encoder;
hydrostatic suspension external grinding spindle.

TECHNICAL SPECIFICATION:

Model		WNM 400	
Capacity	Center distance	mm	400
	Center height	mm	125
	Max. workpiece weight	kg	30
X axis	Max. travel	mm	320
	Speed	mm/min	8000
Z axis	Max. travel	mm	550
	Speed	mm/min	8000
Grinding wheel B axis	Swing range		-15° ~ +195°
	Grinding wheel taper diameter	mm	80
	Motor power	kW	2.2
External grinding spindle	Grinding wheel size (OD×W×ID)	mm	500× (50 ~ 35) ×305
	Grinding wheel linear speed	m/s	50
Internal grinding spindle	Power	kW	5.5
	Internal grinding spindle speed	r/min	30000
Headstock	Speed range	r/min	1-250
	Taper		MT4
Tailstock	Drive motor	kW	2.2
	Taper		MT4
Other	Cylindricity adjustment	um	±40
	Control system		SIEMENS 840DSL/GSK986
Other	Total machine power	kVA	35
	Air pressure	Bar	0.6
	Machine weight	kg	12000

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.

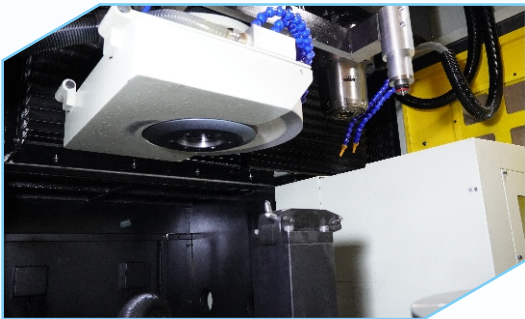


STANDARD CONFIGURATION

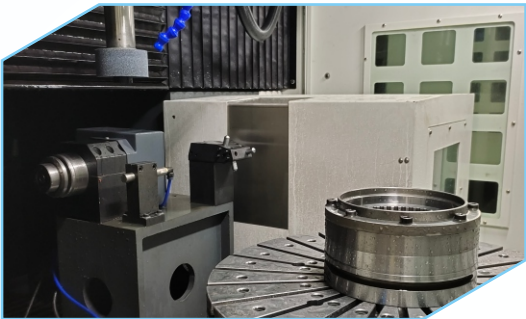
- Siemens 828D control system
 •External grinding wheel spindle
 •Internal grinding wheel spindle
 •Automatic lubrication systems

•Compressed air dryer
 •Spindle cooling system
 •Cutting fluid filtration system
 •Cabinet air condition

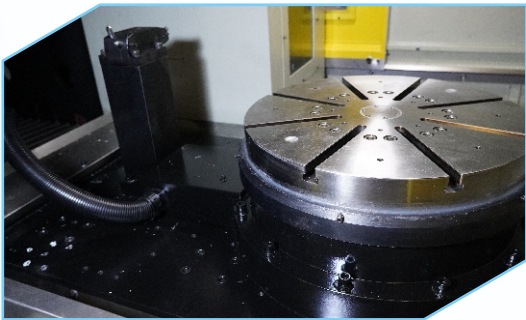
•Automatic lubrication system
 •Oil mist absorber
 •Electromagnetic chuck
 •Positioning probe for grinding wheel



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	Φ500	Φ1000
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



AMK204

CNC Complex Grinder

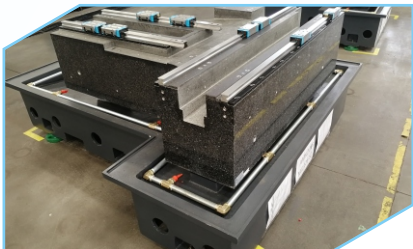
Internal and External circular -end face grinding

- Grinding excircle ,inner hole ,end face with complex process .
- When dresser finish the grinding wheel dressing ,wheel allowance and offset automatically .

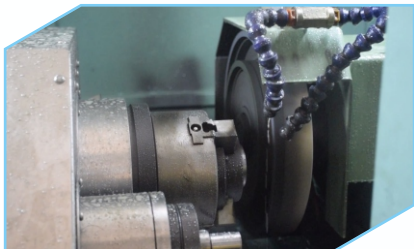


STANDARD CONFIGURATION

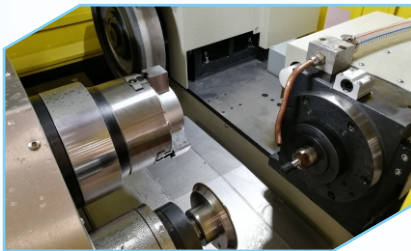
- Siemens828D control system
 - Grinding wheel spindle 1 (cylindrical)
 - Grinding wheel spindle 2 (Inner hole)
 - Compressed air drying device
- Closed-loop control device
 - Oil mist absorber
 - Automatic lubrication system
 - Cutting fluid filtration device.
- Dressing unit
 - Automatic tool setting probe



Natural granite bed improve manufacturing accuracy.



Grinding end face



Internal and external complex grinding



Dressing wheel

TECHNICAL SPECIFICATION:

Model		AMK204
Capacity		
Diameter of grinding inner hole	mm	Φ10~Φ100
Max.grinding inner hole length	mm	150
Diameter of grinding excircle	mm	Φ200
Length of grinding excircle	mm	150
Accuracy		
Dimensions tolerance	mm	0.005
Roundness	mm	0.005
surface roughness	μm	Ra≤0.4
Diamond grinding wheel spindle		
Size of inner hole diamond grinding wheel	um	Φ100×Φ25×30
Max. speed of diamond grinding wheel	rpm	10000
Spindle		
Speed of workpiece spindle	rpm	0~100
Power of workpiece motor spindle	kW	11
Speed of excircle and end face grinding wheel	rpm	500~3000
Size of excircle grinding wheel	mm	Φ350×32×Φ127
Max. speed of inner hole grinding wheel	rpm	24000
Travel		
X/Z axis travel	mm	600/300
Other		
Weight	kg	6200
Machine size(L/W/H)	mm	3100/2000/2400

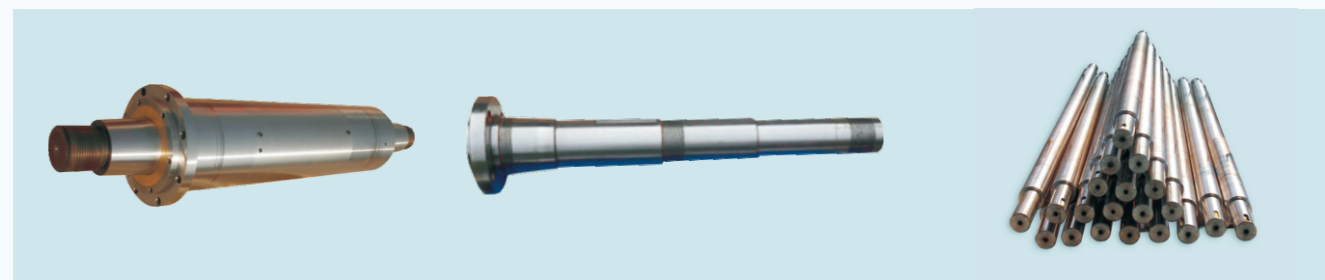
AWM1503

CNC External Cylindrical Grinder



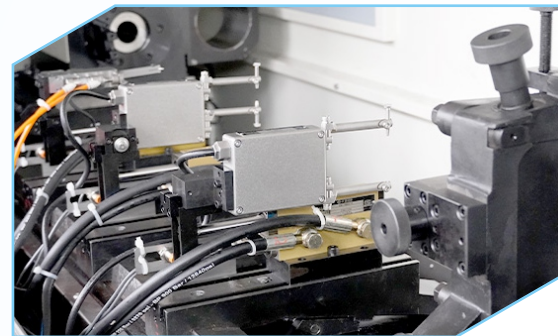
Grinding external cylindrical shaft

- The machine can grind cylindrical and step for shaft.
- Grinding roundness 2/0.8 μm as different customized choice.
- X/Z axis Interpolation way can grinding some taper.

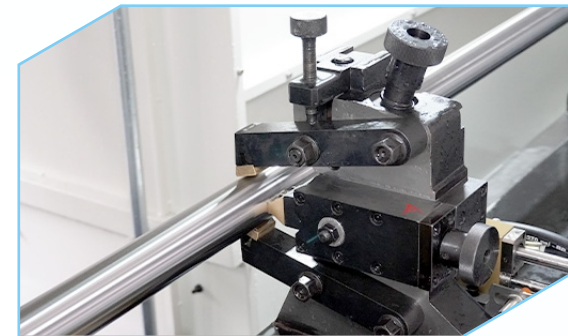


STANDARD CONFIGURATION

- Siemens 828D contrl system
 - External grinding wheel spindle
 - Cooling system
 - Automatic lubrication system
- Air condition cabinet
 - Oil mist absorber
 - Compressed air dryer
 - Cutting fluid filtration system
- Manual Tailstock
 - Diameter measuring instrument
 - Surface measuring instrument



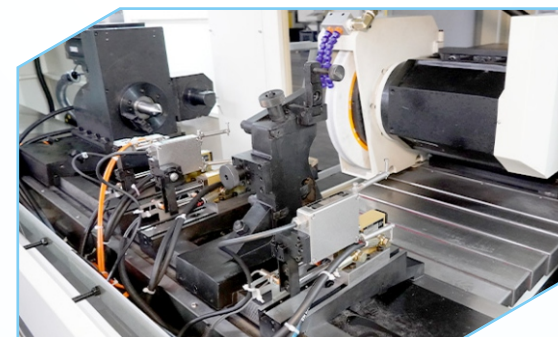
Automatic measuring instrument



High rigidity fixture



High-strength and efficient workholding fixture



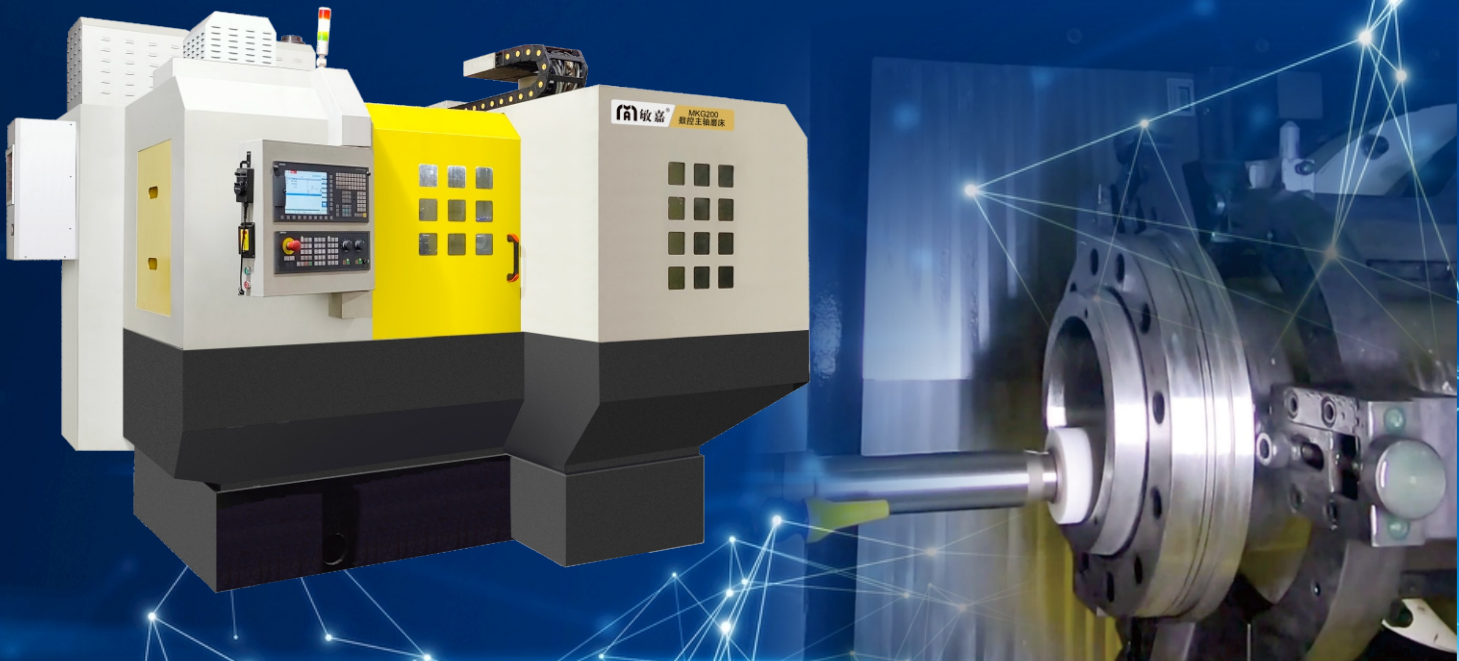
Max processing length is 2 meters(AWM1520)

TECHNICAL SPECIFICATION:

Model		AWM1503	AWM1510	AWM1520
Capacity				
Height of center	mm	125	125	210
Max.grinding diameter	mm	200	220	220
Max. workpiece weight	kg	50	150	500
Max.grinding length	mm	300	1000	2000
Spindle				
Grinding wheel size(OD×W×ID)	mm	Φ500×50×Φ203	Φ450~600×63×Φ305	Φ450~600×63×Φ305
Power of grinding spindle	kW	7.5	7.5	15
Max Speed of grinding wheel	rpm	5000	3000	3000
Max. tailstock sleeve travel	mm	30	40	40
Travel				
Max. X/Z axis travel	mm	300/500	300/1000	210/2200
X/Z axis rapid feed	m/min	12	12	12
Others				
Machining accuracy(Grinding roundness)	μm	2	2	2
Machine size(L/W/H)	mm	3800/3300/2200	4000/2000/1800	6200/2600/2700
Weight	kg	6000	7000	12000

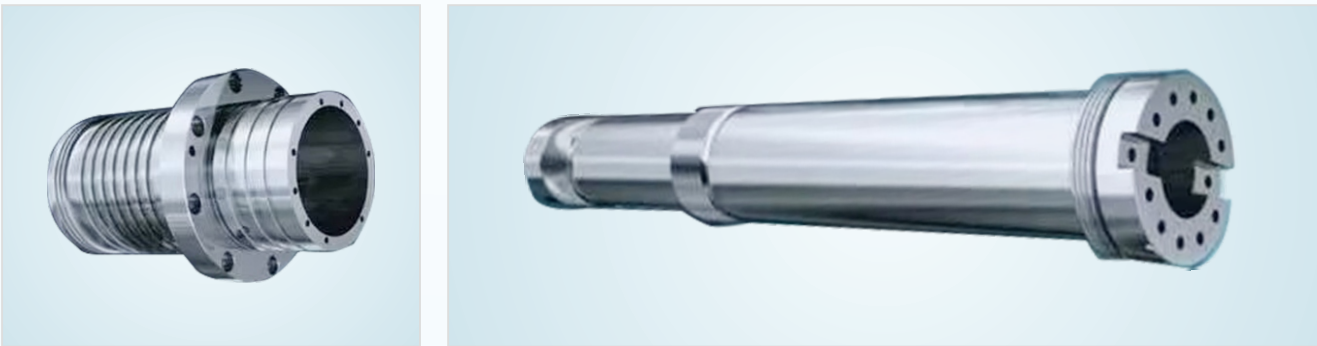
MKG200

CNC Taper Grinder



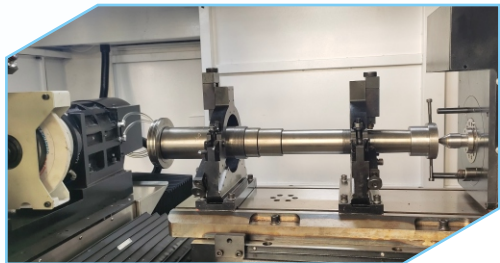
Grinding spindle inner-outer-taper

- The machine can compound grinding inner hole, cylindrical, taper for different kind spindle.
- T type natural granite bed stand, it is good vibration attenuation.
- 4-postion turntable with different type grinding wheel .
- Head stock swing angle +25°/-5° for grinding taper.

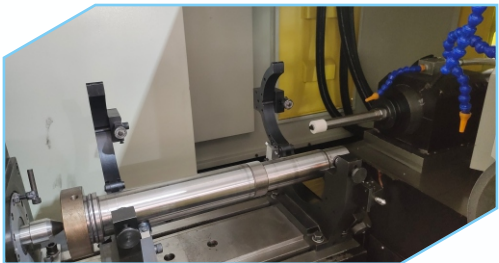


STANDARD CONFIGURATION

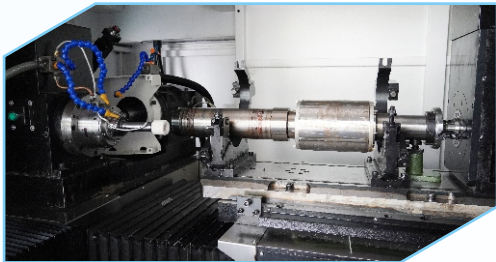
- Siemens 828D control system
 - External grinding wheel spindle
 - Internal grinding wheel spindle
 - Grinding fluid filtration system
- Automatic lubrication system
 - Electric air-condition cabinet
 - Spindle coolant system
 - Heidenhain scales X axis
- Oil mist absorber
 - Steady rest
 - Measuring probe



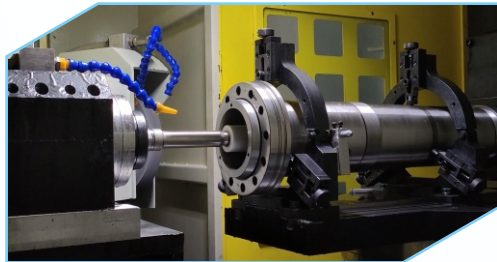
Grinding outer



Steady rest support



Grinding motor spindle



Grinding internal taper

TECHNICAL SPECIFICATION:

Model			MKG200
Capacity	Max. clamping part length	mm	550
	Max. support diameter of central	mm	Φ200
	Min. Grinding inner hole	mm	Φ20
	Max. Workpiece weight	kg	≤200
Accuracy	Roughness	um	≤Ra0.4
	Taper runout	mm	≤0.0015
Axis(X/Z)	Machine travel	mm	X:400/Z:350
	Rapid movement speed	mm/min	10
A axis	Power	kW	2.2
	Positional accuracy	second	±10
External grinding wheel spindle	Speed	rpm	3500
	Spindle power	kW	5.5
	Installation of the grinding wheel		Φ400×32×Φ127
Internal grinding wheel spindle	Speed	rpm	36000
	Spindle power	kW	11(S1)
	Spindle mounting outside diameter		Φ150
Turntable	Turntable station		4
	Repeated positioning accuracy	Second	±1
Other	Power	kVA	35
	Machine size(L/W/H)	mm	3350/2100/2300
	Weight	kg	9000

XF300 CNC Whirling Machine



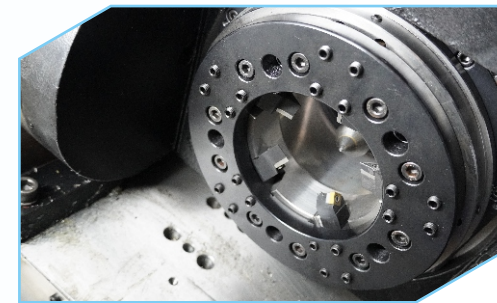
Milling Worm Profile

- The machine is professional to mill worm part , it is better efficiency and surface finish for process.
- Workpiece Surface roughness can get Ra 0.4-1.0 um after milling.
- Turret have high rigidity whirling milling with 5 tools , A axis swinging angle is 0°~18° .
- Siemens motor spindle install round encoder, improve control precision.
- Tool follow drawing to install standard or forming insert for making thread.



STANDARD CONFIGURATION

- Siemens 828D control system
- Siemens motor spindle
- Internal milling cutter 5T turret
- Cooling system
- Cabinet heat exchanger
- Automatic lubrication system
- Hydraulic collet
- Hydraulic tailstock
- Enclose guard
- Working lamp
- Chip conveyor



Internal whirling with 5- insert



Hydraulic tailstock



A axis swing angle 0°~18°



Surface roughness Ra 0.4-1.0um after milling

TECHNICAL SPECIFICATION:

Model			XF300
Capacity			
Max. milling length	mm	250	
Max. workpiece length	mm	320	
Max. machining diameter	mm	60	
Spindle			
Workpiece spindle power	kW	10	
Workpiece spindle speed	rpm	0-100	
Travel			
X/Z1/Z2 axis travel	mm	100/250/250	
X/Z axis rapid feed	M/min	15/15	
X/Z axis positioning accuracy	mm	0.01	
X/Z axis repeatability positioning accuracy	mm	0.006/0.01	
Turret			
Number of tool	pcs	5	
Max. spindle speed	rpm	1500	
Swivel angle		0°~18°	
Others			
Machine size(L/W/H)	mm	2400/2550/2540	
Weight	kg	3800	

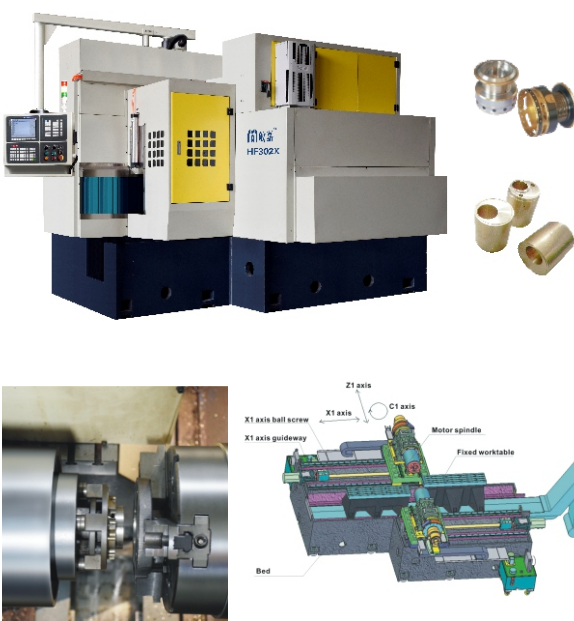
Turn-Mill Center

HF301



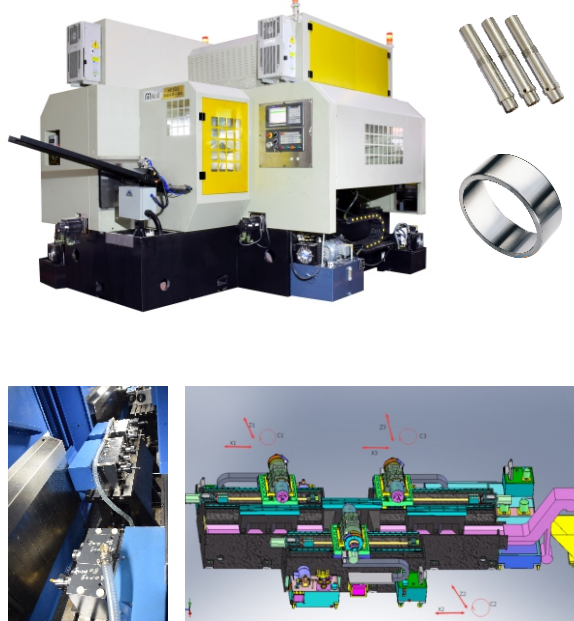
1- spindle

HF302



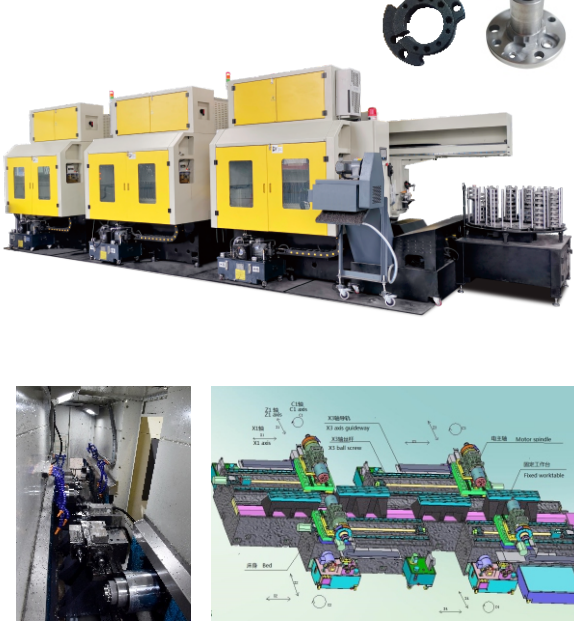
2- spindle

HF303



3- spindle

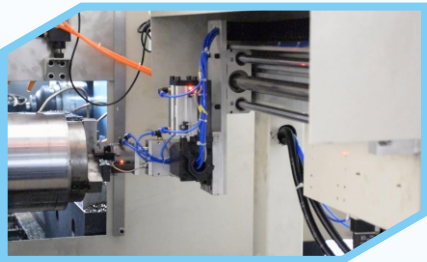
HF304



4- spindle

Multi-spindle work for complex process

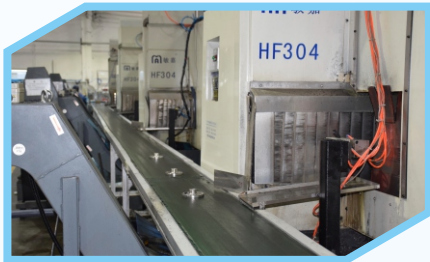
- Multi-spindle in order space butt joint.
- The workpiece machining process time is average for every spindle.
- Multi-module controllinkage working.
- Take advantage of CNC program technology to transfer workpiece between the spindleSmart tool management technology: the system will warn automatic alarm when the tool wear.



Clamping workpiece



Unclamping workpiece



Conveyor belt

TECHNICAL SPECIFICATION:

Model		HF301	HF302	HF303	HF304
Capacity					
Max.turning diameter over bed	mm	Φ600	Φ600	Φ600	Φ600
Max.turning diameter over support	mm	Φ160	Φ160	Φ160	Φ160
Max.machining length	mm	200	150	150	150
Spindle					
Number of spindle	mm	1	2	3	4
Spindle bore with draw-tube	mm	Φ52	Φ35	Φ35	Φ35
Max.spindle speed	r/min	5000	4500	4500	4500
Distance of spindle center to support	mm	80	80	80	80
Power of spindle motor	kW	7.5	7.5	7.5	7.5
Travel					
X/Z axis travel	mm	750/200	1100/200	1100/200	1000/200
Others					
Weight	kg	5000	7000	10000	14000
Machine size(L/W/H)	mm	2020/1900/1927	4000/305400/1800	6000/3054/1800	8000/3054/1800

AL320T

CNC Lathe Machine



Slant bed with Turret / Power head

- It is high rigidity 45° slanted casting bed and triangle head stock for user-friendly design.
- Two axis move by the linear guide way.
- High-power servo spindle motor.

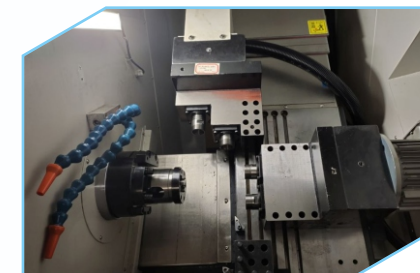


STANDARD CONFIGURATION

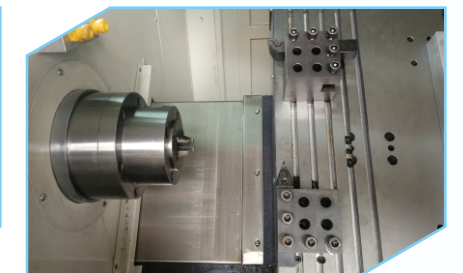
- GSK988T control system and AC servo motor
- Hydraulic 3-jaw chuck
- Cooling system
- Automatic lubrication system
- Cabinet heat exchanger
- Enclosed guard
- Hydraulic tailstock
- 8-station servo turret



8-station servo turret



Power head as customized choice



Customized fixture

TECHNICAL SPECIFICATION:

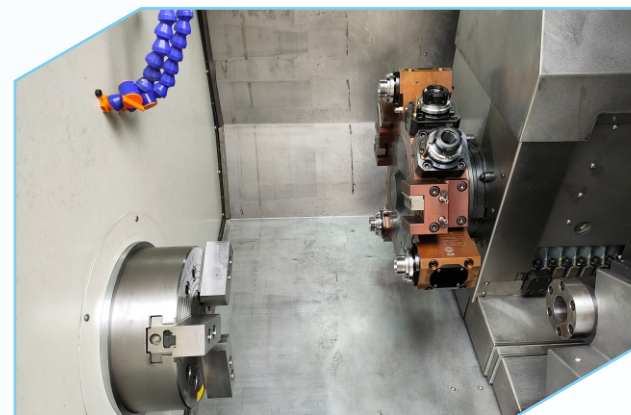
Model		AL320T	AL320P
Capacity			
Max. turning diameter over bed	mm	Φ320	Φ320
Max. turning diameter over support	mm	Φ120	Φ120
Max. machining length(shaft type)	mm	250	250
Spindle			
spindle bore without draw-tube	mm	Φ52	Φ52
spindle bore with draw-tube	mm	Φ42	Φ42
Max. spindle speed	rpm	3500	4500
Power of spindle motor	kW	5.5/7.5	5.5/7.5
Travel			
X/Z axis motor	Nm	8/12	8/12
X/Z axis rapid feed	m/min	18	12
X/Z axis travel	mm	180/300	400/250
Tailstock			
Diameter of quill	mm	90	/
Tailstock quill stroke	mm	115	/
Travel of Tailstock	mm	280	/
Tailstock taper		MT3	/
Others			
Type of tool post		Tool turret	Gang tool post
Number of tool	Qty	8	6-8
Size of tool	mm	25×25/Φ30	25×25/Φ30
T-solt			10×16×7
Hydraulic chuck	inch	6/8	6/8
Total power	kW	14	10
Machine size(L/W/H)	mm	1950/1340/1620	1950/1340/1620

AL50TY CNC Lathe Machine

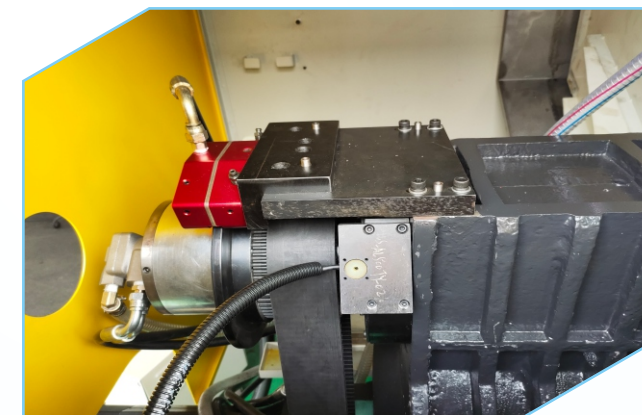


STANDARD CONFIGURATION

- GSK988T control system and AC servo motor
- Hydraulic 3-jaw chuck
- Solid hole rotary cylinder
- Cooling system
- Automatic lubrication system
- Cabinet heat exchanger
- Enclosed guard
- Hydraulic tailstock
- 12-stationservoturret



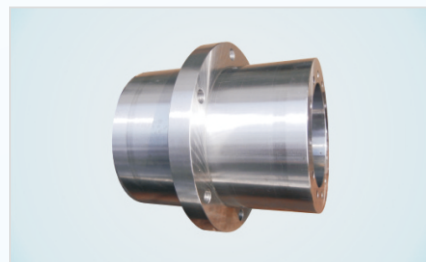
12-station servo turret



Belt drive 11 kw spindle motor

Slant bed with turret with live tool

- It is high rigidity 45° slanted casting bed and triangle head stock for user-friendly design.
- Two axis move by the linear guide way.
- High-power servo spindle motor.



TECHNICAL SPECIFICATION:

Model		AL50TY
Capacity		
Maximum rotary diameter	mm	Φ500
Maximum machining length	mm	500
Spindle through hole diameter	mm	Φ62
Maximum rotary diameter	mm	Φ52
X/Y/Z travel	mm	220/100/500
The X/Y/Z rapid	m/min	24
Center height	mm	145
Spindle		
Spindle motor power	--	11
Spindle turing speed	rpm	3500
The spindle taper hole	--	A2-6
Other		
Number of power head	Qty	8~12
Machine size(L/W/ H)(approx.)	mm	2666/1731/2380

AM1540/I560

Gantry Type Vertical Machine Center

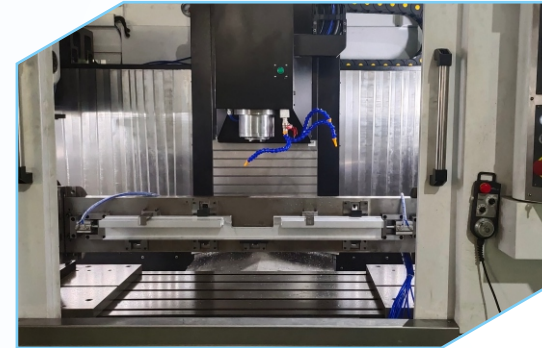


- This machine can finish process for milling ,drilling ,tapping .
- The worktable loading 600kg workpiece and longer X axis for 1500mm travel .

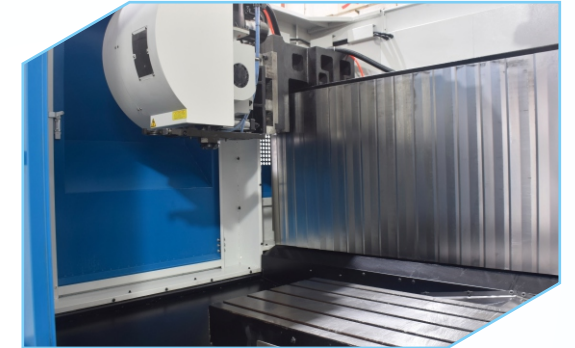


STANDARD CONFIGURATION

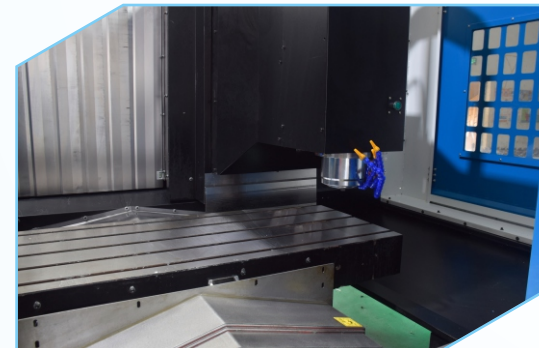
- GSK218 control system
- Automatic lubrication system
- Cooling system
- Cabinet air condition
- Automatic chip
- 24T magazine tool



4th axis turntable



24T magazine tool



X axis can travel 1500mm



Gantry type design

TECHNICAL SPECIFICATION:

Model		AM1540	AM1560
Capacity			
Table size	mm	1600×500	1600×600
Max loading weight of table	kg	600	600
Distance from spindle center to guide way	mm	460	660
Distance from spindle end face to table	mm	100-500	100-600
Number of tool	Qty	24	24
X/Y/Z axis travel	mm	1500/400/400	1500/600/500
X/Y/Z axis rapid speed	m/min	30	30
Spindle			
Max. spindle speed	rpm	8000	8000
Spindle taper	/	BT40	BT40
Other			
Machine weight	kg	7200	8000
Machine size(L/W/H)	mm	3500/2250/2500	3500/2900/2700



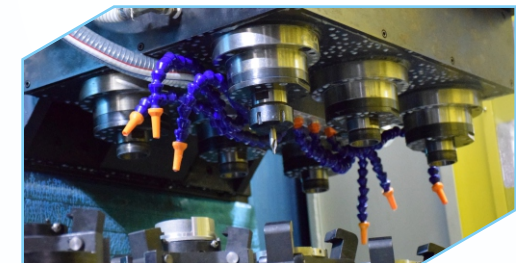
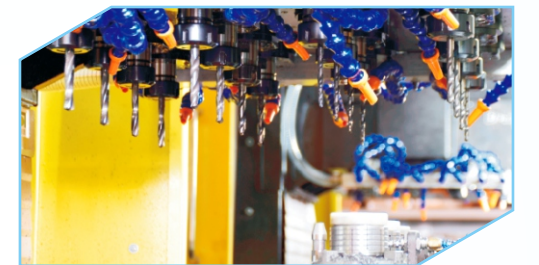
Automatic Turss Hand Transfer

- 16-spindles drilling and milling work together, 4x4 spindle array type (Optional tapping function).
- Electric Rotary table, one side loading workpiece, one side machining (optinal automatic loading -unloading).
- Product in: compressor bearings, cylinder, linear guide slider, car connecting rod, bathroom faucet for small and medium size parts.



STANDARD CONFIGURATION

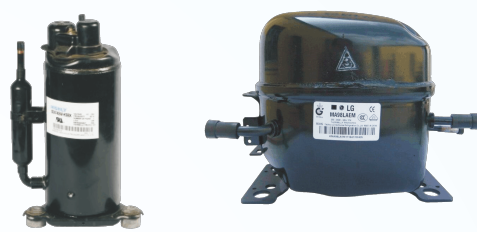
- GSK218 control system
- Automatic lubrication system
- Cooling system
- Cabinet air condition
- Automatic chip
- Hydraulic rotary table



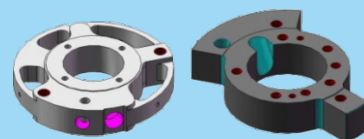
TECHNICAL SPECIFICATION:

Model		AM520F-16
Capacity		
Worktable size	mm	1000×600
Max. loading worktable	kg	400
Rotary table with equaling type	mm	2
Spindle		
Spindle nose to table distance	mm	125-525
Spindle center to column guideway distance	mm	430+140+140+140
Number of spindle		16
Spindle mount		ER40
Drilling diameter	mm	16
Power of spindle motor	kW	11
Max.spindle speed	rpm	3500
Spindle arrangement		4*4
Travel		
X/Y/Z axis positioning accuracy	mm	±0.015
X/Y/Z axis repeatability positioning accuracy	mm	±0.01
X/Y/Z axis travel	mm	200/560/400
X/Y/Z axis rapid feed	m/min	16/16/10
Other		
Weight	kg	6500
Machine size(L/W/H)	mm	1500/3100/2800

Turn-Mill complex product line



Compressor parts project



Multi-spindle turn-mill center automatic line

Bangladesh crankshaft machining line



GREE Flange Machining Line



Precision grinding solution

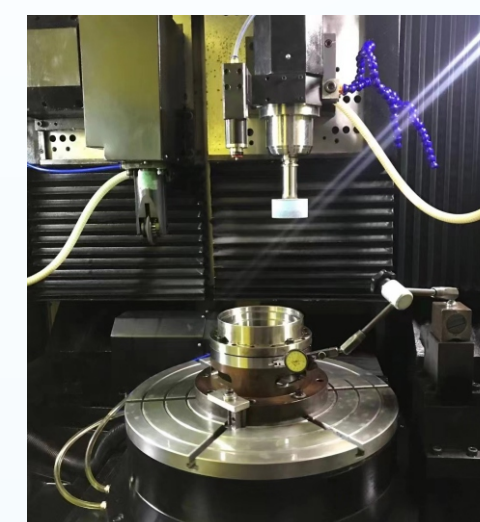


Motion and reducer industry

THK Motion Grinding Line



Gear housing grinding for robot



Ball screw and nut grinding thread solution

