H Step Down Grinder

Intelligent grinding

Multi step height aspect ratio cylindrical component grinding tool

- Diameter range of grinding workpiece: Ø0.05 20.0mm
- Maximum length of grinding workpiece: 200 mm



Intelligent grinding solution

- Four-axis segment difference grinding machine is equipped with three-axis manipulator loading and unloading mechanism to realize batch processing of components.
- •Online measuring system, to ensure the accuracy of long unattended.
- •The first centering type workpiece clamping device in China, in the grinding process to obtain superior concentricity.
- •Rough machining and finishing shaft effectively match through the diameter difference to get the best accuracy and surface
- •The control system and software independently developed byHotman can realize the quick editing and creation of the workpiece.

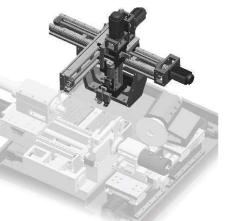


Three-jaw holding device (special accessories)

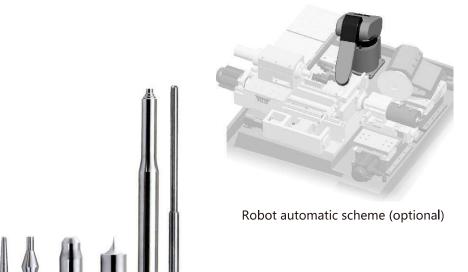


Automation

Manipulator/robot



Manipulator automatic scheme











01 Manipulator device

Automatic loading and unloading machine manual power supply of 3 ANCA servomotor, through the combination of precision rail and ANCA control system, in the process of feeding and receiving materials, can be efficient, accurate, convenient to complete the whole feeding and receiving process.

02 Tray device

The loading capacity of the material preparation tray and the closing closing is 340⁻510PCS. The operation is convenient and flexible. It only needs to be lifted and put back at the four holes.

03 Loading and unloading device

Using two pneumatic finger cylinders, unloading products. A rotating cylinder for Angle adjustment, adjustment Angle of $0\sim90^\circ$

Control system







High-level interface

Allows operators to seamlessly monitor and interact with the data being processed, providing a cutting-edge user experience.

Full customization

Using the latest technology, buttons and ICONS can be freely moved and rearranged to meet the business needs of different users.

Save time

Software brings you cutting edge technologies that bridge the gap between IDE developers and non-programming specialists.

19 inch digital LCD display

Capacitive multiplex industrial touch screen with full active display area, waterproof and oil proof.

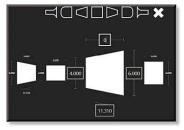


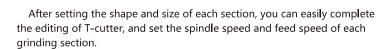
After the workpiece file is opened, click the "Edit" button above, so that the operator can re-edit the cutter type according to the needs, as shown in the figure, and the operator can edit the cutter type and size quickly, as shown in the figure below. Click on each segment of the cutter type and edit the size of the spindle speed row.

Quick job creation

The operator can also create a new tool shape. In the case of a T-shaped knife, the tool shape is created by adding it from left to right (as shown in the image above), with the tool face on the far right. According to the desired knife type, click the knife type at the top of the screen to add from left to right, and [X] on the far right is the delete button.







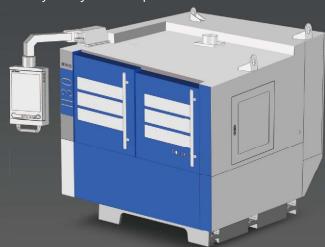
Step Down Grinder

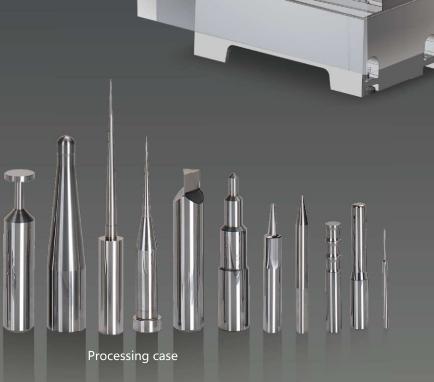
Intelligent grinding

Multi step height aspect ratio cylindrical component grinding tool

• With greater grinding capacity and flexibility, the H30 machine is not only used for processing cylindrical products, but also for non-cylindrical products.

Especially suitable for machining multi-plane and non-round punches. The chuck of the loading device is now interchangeable and easy to adjust and replace.





H2 Economical Step Down Grinder

Multi-step height-length-diameter ratio cylindrical component grinding tool

Peculiarity

- Grinding diameter range: 1⁻ 32mm, super power high-speed motorized spindle, hopper type feeding me3chanism, with fast and accurate clamping structure.
- The use of core type two-axis linkage grinding mode, high grinding precision, high production efficiency.
- The on-line end measuring system can compensate for the errors caused by the loading of the workpiece in the mass production process.
- Small space can be barrier-free optimization, flexible processing, low energy consumption, low maintenance cost, cost-effective.



Grinding workpiece diameter range	Ø1~32mm
Clamping workpiece diameter range	Ø2~34mm
Grinding length	80mm
Grinding wheel spindle speed	8000RPM
X /Z axis resolution	0.001mm



S614 see machine details on P23

600×230mm							
nsions 520×180mm							
ent size max. 350mm							
400×150mm							
Move left and right (Y axis)							
520mm							
30000mm/min							
max. 1600N							
0.0001mm							
Move forward and backward (X-axis)							
180mm							
12000mm/min							
1.8KW							
0.0001mm							

Move up and down (Z axis)						
Maximum travel	350mm					
Maximum speed	12000mm/min					
Servo motor	1.5KW					
Resolution	0.0001mm					
grinding wheel	max. Ø205mm					
Grinding wheel inner diameter	Ø31.75mm					
Installed capacity						
Total power	10KVA					
Mechanical lubrication	Timing automatic					
Machine size (L × W × H)	1750×1800×2000mm					
G.W (appx.)	3500kg					

Gantry Surface grinder see machine details on P18

Item	unit	P1020	P1030	P1040	P1050	P1060	P1530	P1540	P1550	P1560	P1580
Worktable area	mm	1000×2000	1000×3000	1000×4000	1000×5000	1000×6000	1500×3000	1500×4000	1500×5000	1500×6000	1500×8000
Max. grinding area	mm	1400×2300	1400×3300	1400×4300	1400×5300	1400×6300	2000×3300	2000×4300	2000×5300	2000×6300	2000×8300
Min. feed	mm	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Distance from work surface to spindle center	mm	1000/1350	1000/1350	1000/1350	1000/1350	1000/1350	1350/1500	1350/1500	1350/1500	1350/1500	1350/1500

Item	unit	P2040	P2060	P2080	P20100	P20120	P2550	P2560	P2580	P251000	P251200
Worktable area	mm	2000×4000	2000×6000	2000×8000	2000×10000	2000×12000	2500×5000	2500×6000	2500×8000	2500×10000	2500×12000
Max. grinding area	mm	2500×4300	2500×3300	2500×8300	2500×10300	2500×12300	3000×5300	3000×6300	3000×8300	3000×10300	3000×12300
Min. feed	mm	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Distance from work surface to spindle center	mm	1350/1500	1350/1500	1350/1500	1350/1500	1350/1500	1350/1500	1350/1500	1350/1500	1350/1500	1350/1500

H3 see machine details on P29

Grinding range Workpiece diameter Workpiece clamping diameter Clamping workpiece length Max: 300 mm Grinding workpiece length Max: 200 mm Working head spindle speed CONC 4 axis X/Y/Z1/Z grinding station CNC 3 axis U/V/W Pick-up and drop-off station X axis travel: 350 mm/Min. unit: 0.001 mm Y axis travel: 29mm/Min. unit: 0.001 mm Z axis travel: 99mm/Min. unit: 0.001 mm Caxis travel: 90mm/Min. unit: 0.001 mm Total length Coarse grinding electric spindle Coarse grinding wheel spindle diameter Max. linear speed of rough grinding wheel* Grinding wheel size (OD × W × ID) Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel* Precision grinding wheel speed Grinding wheel size (OD × W × ID) Precision grinding wheel speed Grinding wheel size (OD × W × ID) Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel* Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel* Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel* Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel* Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel* Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel* Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel* Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel* Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel* Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel* Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel* Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel* Precision grinding wheel							
Workpiece clamping diameter	Grinding range						
Clamping workpiece length Grinding workpiece length Working head spindle speed CONC 4 axis CNC 4 axis CNC 3 axis U/V/W Pick-up and drop-off station X axis travel:350 mm/Min. unit: 0.001 mm Y axis travel:29mm/Min. unit: 0.001 mm Z axis travel:0~3000RPM Caxis travel:0~3000RPM Loading and unloading mechanism load Loading diameter Total length Rough grinding electric spindle Coarse grinding wheel spindle diameter Max. linear speed of rough grinding wheel 70~90m/s Rough grinding electric spindle Precision grinding wheel spindle motor Precision grinding wheel spindle diameter Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed O~14000RPM Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H)	Workpiece diameter		Ø0.05~20.0mm				
Grinding workpiece length Working head spindle speed CONTROI System CNC 4 axis X/Y/Z1/Z grinding station CNC 3 axis U/V/W Pick-up and drop-off station X axis travel: 350 mm/Min. unit: 0.001 mm Y axis travel: 29mm/Min. unit: 0.001 mm Z axis travel: 29mm/Min. unit: 0.001 mm C axis travel: 90mm/Min. unit: 0.001 mm C axis travel: 0~3000RPM definition: 0.001° Loading and unloading mechanism load Loading diameter 01.0~10.0mm Total length 15~100mm Rough grinding electric spindle Coarse grinding wheel spindle diameter Max. linear speed of rough grinding wheef 0~90m/s Rough grinding spindle speed Grinding wheel size (OD × W × ID) Precision grinding wheel spindle motor Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed 0~14000RPM Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H)	Workpiece clamping diameter		Ø0.05~20.0mm				
Control System CNC 4 axis	Clamping workpiece length		max: 300 mm				
Control System CNC 4 axis	Grinding workpiece length		max: 200 mm				
CNC 4 axis CNC 3 axis U/V/W Pick-up and drop-off station X axis travel:350 mm/Min. unit: 0.001 mm Y axis travel:29mm/Min. unit: 0.001 mm Z axis travel:29mm/Min. unit: 0.001 mm Taxis travel:90mm/Min. unit: 0.001 mm C axis travel:0~3000RPM definition:0.001° Loading and unloading mechanism load Loading diameter 01.0~10.0mm Total length Total length Rough grinding electric spindle Coarse grinding wheel spindle motor Coarse grinding wheel spindle diameter Max. linear speed of rough grinding wheel 70~90m/s Rough grinding spindle speed Grinding wheel size (OD × W × ID) Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed 0~14000RPM Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mn	Working head spindle speed		0~3000RPM				
CNC 3 axis CNC 3 axis CNC 3 axis travel: 350 mm/Min. unit: 0.001 mm Y axis travel: 29mm/Min. unit: 0.001 mm Z axis travel: 90mm/Min. unit: 0.001 mm Z1 axis travel: 90mm/Min. unit: 0.001 mm C axis travel: 0~3000RPM definition: 0.001° Loading and unloading mechanism load Loading diameter 5~100mm Total length 15~100mm Rough grinding electric spindle Coarse grinding wheel spindle motor Coarse grinding wheel spindle diameter Max. linear speed of rough grinding wheel 70~90m/s Rough grinding spindle speed Grinding wheel size (OD × W × ID) Precision grinding wheel spindle motor Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spiedle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mn	Control System						
X axis travel: 350 mm/Min. unit: 0.001 mm Y axis travel: 29mm/Min. unit: 0.001 mm Z axis travel: 29mm/Min. unit: 0.001 mm Z1 axis travel: 90mm/Min. unit: 0.001 mm C axis travel: 0~3000RPM definition: 0.001° Loading and unloading mechanism load Loading diameter Ø1.0~10.0mm Total length 15~100mm Rough grinding electric spindle Coarse grinding wheel spindle motor 20KW Coarse grinding wheel spindle diameter Ø170mm Max. linear speed of rough grinding wheel 70~90m/s Rough grinding spindle speed 0~8500RPM Grinding wheel size (OD × W × ID) 250×20×31.75 mm Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed 0~14000RPM Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mn	CNC 4 axis	X/Y/Z ₁ /Z grin	ding station				
Y axis travel: 100mm/Min. unit: 0.001 mm Z axis travel: 29mm/Min. unit: 0.001 mm Z1 axis travel: 90mm/Min. unit: 0.001 mm C axis travel: 0~3000RPM definition: 0.001° Loading and unloading mechanism load Loading diameter Ø1.0~10.0mm Total length 15~100mm Rough grinding electric spindle Coarse grinding wheel spindle motor 20KW Coarse grinding wheel spindle diameter Ø170mm Max. linear speed of rough grinding wheel 70~90m/s Rough grinding spindle speed 0~8500RPM Grinding wheel size (OD × W × ID) 250×20×31.75 mm Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed 0~14000RPM Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mn	CNC 3 axis	U/V/W Pick-u	p and drop-off station				
Z axis travel:29mm/Min. unit: 0.001 mm Z1 axis travel:90mm/Min. unit: 0.001 mm C axis travel:0~3000RPM definition:0.001° Loading and unloading mechanism load Loading diameter Ø1.0~10.0mm Total length 15~100mm Rough grinding electric spindle Coarse grinding wheel spindle motor 20KW Coarse grinding wheel spindle diameter Ø170mm Max. linear speed of rough grinding wheel 70~90m/s Rough grinding spindle speed 0~8500RPM Grinding wheel size (OD × W × ID) 250×20×31.75 mm Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed 0~14000RPM Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mm	X axis	travel: 350 m	m/Min. unit: 0.001 mm				
Z1 axis travel:90mm/Min. unit: 0.001 mm C axis travel:0~3000RPM definition: 0.001° Loading and unloading mechanism load Loading diameter Ø1.0~10.0mm Total length 15~100mm Rough grinding electric spindle Coarse grinding wheel spindle motor 20KW Coarse grinding wheel spindle diameter Ø170mm Max. linear speed of rough grinding wheel 70~90m/s Rough grinding spindle speed 0~8500RPM Grinding wheel size (OD × W × ID) 250×20×31.75 mm Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed 0~14000RPM Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mm	Y axis	travel: 100mi	m/Min. unit: 0.001 mm				
C axis traveI:0~3000RPM definition:0.001° Loading and unloading mechanism load Loading diameter Ø1.0~10.0mm Total length 15~100mm Rough grinding electric spindle Coarse grinding wheel spindle motor Ø170mm Max. linear speed of rough grinding wheel 70~90m/s Rough grinding spindle speed 0~8500RPM Grinding wheel size (OD × W × ID) 250×20×31.75 mm Precision grinding wheel spindle diameter Ø120mm Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed 0~14000RPM Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mm	Z axis	travel: 29mm	/Min. unit: 0.001 mm				
Loading and unloading mechanism load Loading diameter Ø1.0~10.0mm Total length 15~100mm Rough grinding electric spindle Coarse grinding wheel spindle motor Ø170mm Max. linear speed of rough grinding wheel 70~90m/s Rough grinding spindle speed 0~8500RPM Grinding wheel size (OD × W × ID) 250×20×31.75 mm Precision grinding wheel spindle motor 5.0KW Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed 0~14000RPM Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mm	Z ₁ axis	travel: 90mm	/Min. unit: 0.001 mm				
Loading diameter Ø1.0~10.0mm Total length 15~100mm Rough grinding electric spindle Coarse grinding wheel spindle motor Ø170mm Max. linear speed of rough grinding wheel 70~90m/s Rough grinding spindle speed 0~8500RPM Grinding wheel size (OD × W × ID) 250×20×31.75 mm Precision grinding wheel spindle motor 5.0KW Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed 0~14000RPM Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mm	C axis	travel:0~300	00RPM definition: 0.001°				
Total length Rough grinding electric spindle Coarse grinding wheel spindle motor Coarse grinding wheel spindle diameter Max. linear speed of rough grinding wheel 70~90m/s Rough grinding spindle speed Grinding wheel size (OD × W × ID) Precision grinding electric spindle Precision grinding wheel spindle motor Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mm	Loading and unloading mechanism load						
Rough grinding electric spindle Coarse grinding wheel spindle motor Coarse grinding wheel spindle diameter Max. linear speed of rough grinding wheel 70~90m/s Rough grinding spindle speed Grinding wheel size (OD × W × ID) Precision grinding electric spindle Precision grinding wheel spindle motor Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mm	Loading diameter	Ø1.0~10.0mn	า				
Coarse grinding wheel spindle motor Coarse grinding wheel spindle diameter Max. linear speed of rough grinding wheel 70~90m/s Rough grinding spindle speed Grinding wheel size (OD × W × ID) Precision grinding electric spindle Precision grinding wheel spindle motor Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mm	Total length	15~100mm					
Coarse grinding wheel spindle motor Coarse grinding wheel spindle diameter Max. linear speed of rough grinding wheel 70~90m/s Rough grinding spindle speed Grinding wheel size (OD × W × ID) Precision grinding electric spindle Precision grinding wheel spindle motor Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mm	Rough grinding electric	spindle					
Max. linear speed of rough grinding wheel 70~90m/s Rough grinding spindle speed 0~8500RPM Grinding wheel size (OD × W × ID) 250×20×31.75 mm Precision grinding electric spindle Precision grinding wheel spindle motor 5.0KW Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed 0~14000RPM Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mm		-	20KW				
Max. linear speed of rough grinding whee 70~90m/s Rough grinding spindle speed 0~8500RPM Grinding wheel size (OD × W × ID) 250×20×31.75 mm Precision grinding electric spindle Precision grinding wheel spindle motor 5.0KW Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed 0~14000RPM Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mm	Coarse grinding wheel spir	ndle diameter	Ø170mm				
Rough grinding spindle speed 0~8500RPM Grinding wheel size (OD × W × ID) 250×20×31.75 mm Precision grinding electric spindle Precision grinding wheel spindle motor 5.0KW Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed 0~14000RPM Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mm			hee ^{70~90m/s}				
Precision grinding electric spindle Precision grinding wheel spindle motor Precision grinding wheel spindle diameter Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed O~14000RPM Grinding wheel size (OD × W × ID) Machine size (L × W × H) 2450×1980×1998 mm							
Precision grinding wheel spindle motor 5.0KW Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed 0~14000RPM Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mm	Grinding wheel size (OD ×	W × ID)	250×20×31.75 mm				
Precision grinding wheel spindle motor 5.0KW Precision grinding wheel spindle diameter Ø120mm Max. linear speed of precision grinding wheel 70~90m/s Precision grinding wheel speed 0~14000RPM Grinding wheel size (OD × W × ID) 150×20×31.75 mm Machine size (L × W × H) 2450×1980×1998 mm							
Precision grinding wheel spindle diameter 0120mm Max. linear speed of precision grinding wheel $70 \sim 90 \text{m/s}$ Precision grinding wheel speed $0 \sim 14000 \text{RPM}$ Grinding wheel size (OD × W × ID) $150 \times 20 \times 31.75 \text{mm}$ Machine size (L × W × H) $2450 \times 1980 \times 1998 \text{mm}$		•	_r 5.0KW				
Precision grinding wheel speed $0\sim14000$ RPM Grinding wheel size (OD × W × ID) $150\times20\times31.75$ mm Machine size (L × W × H) $2450\times1980\times1998$ mm							
Precision grinding wheel speed $0\sim14000$ RPM Grinding wheel size (OD × W × ID) $150\times20\times31.75$ mm Machine size (L × W × H) $2450\times1980\times1998$ mm	Max. linear speed of precisi	ion grinding whe	_{el} 70~90m/s				
Machine size (L \times W \times H) 2450 \times 1980 \times 1998 mn							
Tridefille Size (E ·· VV ·· II)	Grinding wheel size (OD ×	W × I D)	150×20×31.75 mm				
G.W (appx.) 4800kg	Machine size (L × W × H))	2450×1980×1998 mn				
	G.W (appx.)		4800kg				