

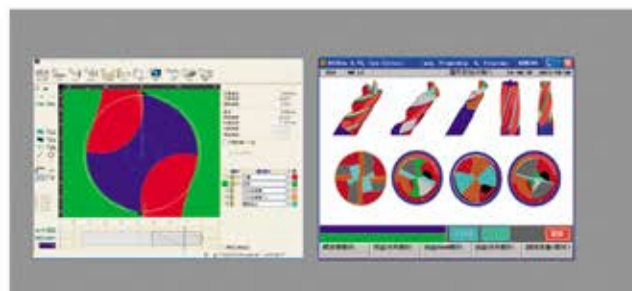


BEIPING



دستگاه های مخصوص تولید ابزار انواع فرز انگشتی، مته، قلاویز، برقو و...

- ▶ High bed rigidity-low vibration.
- ▶ Rigid linear slide-wear resistance.
- ▶ Full servo control-exact positioning.
- ▶ Precision ball screw-perfect accuracy.
- ▶ With one-time-setup,5-axis CNC tool&cutter grinding machine is used for manufacturing and sharpening all kinds of cutters,such as gun drill,end mill,twist drill,reamer,taps,bur and saw cutters etc.
- ▶ Equipped with self-designed software,the machine offers complete sharpening solutions for simple,complicated or non-standard tools, which makes sharpening work more advanced and easier.
- ▶ Applied with 3D auto-measuring system, tools sharpening/manufact-uring can be achieved automatically.
- ▶ 2D simulation system(3D on option) lets the operator produce perfect cutters in short time.
- ▶ Memory storage function can show previous data on the digital display unit(DDU) when you want to set new tool data,which saves a lot of time for the user.
- ▶ Besides self-designed software,Swiss MTS software is optional.



SPECIFICATIONS

	BPX4/BPX4A	BPX5/BPX5A
Table Size	800/1100X280mm	
Max. Loading Weight of Table	80KG	50KG
X-axis Travel	330/430mm	420/500mm
Y-axis Travel	150/250mm	250/300mm
Z-axis Travel	150/250mm	250mm
B-axis Travel	∞	∞
C-axis Travel		± 120°
Max. Feed Rate of X/Y/Z Axis	10m/min	10m/min
Max. Rotation Speed of B-axis	70RPM	30/500RPM
Max. Rotation Speed of C-axis		15RPM
X/Y/Z Axis Motor Output Torque	6/8.34N.m	8.34N.m
B-axis Motor Output Torque	3.4/6N.m	3.4/40N.m
C-axis Motor Output Torque		6/190N.m
Mechanical/Electrical Grinding Head Speed	4200/7000RPM	4200/10000RPM
Mechanical/Electrical Grinding Head Peak Power	4--19KW	8.5--19KW
Max. Holding Capacity of B-axis	Φ4-Φ25mm	Φ4-Φ25mm
B-axis Spindle Taper	ISO:40/ISO:50	ISO:50
Grinding Wheel Size	(Φ80-150)*20/32mm	(Φ80-150)*20/32mm
Linear Axis Resolution	0.0001mm	0.0001mm
Rotation Axis C/B Resolution	0.001°	0.001°
Linear Axis Positioning Resolution	0.005mm	0.003mm
Rotary Axis Positioning Resolution	0.005°	0.005°
CNC Control System	SIEMENS/SYNTec/HNC	SIEMENS/FAGOR/SYNTec
Probe System	RENISHAW(optional)	RENISHAW(optional)
Max. Work Piece Length	220mm	220/320mm
Max. Work Piece Diameter	Φ250/Φ280mm	Φ200/Φ300mm
Coolant System	External connecting(optional)	External connecting(optional)
Machine Color	Customized	Customized
Dimension(LxWxH)	2000X1750X1900mm	2300X2500X2100mm
Weight	2500/3100KG	3100/6100KG





Tool Grinding Expert

Automatic Production Line for Endmill and Taps



- High quality automatic sharpening
- In order to reduce the cost for mass production, a full automation solution is very critical and important. Our application engineer and expert will offer you the most suitable automation solution according to your own work piece, production process and plan.
- The full-automatic series of CNC tool grinding machines have the same kind of structure platform but with various functions which offer our customer economical and efficient solutions for different tool manufacturing, such as end mills, drill bits, tap, hobs, etc.

MCX Full-Automatic CNC Groove Grinder



SPECIFICATIONS

	MCX3	MCX4	MCX5
Table Size(L x w)	800 x 280mm		
Max. Loading Weight of Table	80KG	80KG	80KG
X-axis Travel	330mm	330mm	330mm
Y-axis Travel	Manual	150mm	150mm
Z-axis Travel	150mm	150mm	150mm
B-axis Travel	360°	360°	360°
C-axis Travel			± 110°
Max. Feed Speed of X/Z Axis	10m/min	10m/min	10m/min
Max. Rotation Speed of B-axis	35/70RPM	35/70RPM	35/70RPM
Max. Rotation Speed of C-axis			20RPM
X/Z-axis Motor Output Torque	6/7.7N.m	6/7.7N.m	6/7.7N.m
B-axis Motor Output Torque	3.4N.m	3.4N.m	3.4N.m
Mechanical/Electrical Grinding Head Speed	4200/7000RPM	4200/7000RPM	4200/7000RPM
Mechanical/Electrical Grinding Head Peak Power	4/19KW	4/19KW	4/19KW
Max. Holding Capacity of B-axis	Φ4- Φ25mm	Φ4- Φ25mm	Φ4- Φ25mm
B-axis Spindle Taper	ISO:40/ISO:50	ISO:40/ISO:50	ISO:40/ISO:50
Grinding Wheel Size	Φ150/400 x Φ20/85mm	Φ150/400 x Φ20/85mm	Φ150/400 x Φ20/85mm
Linear Axis Resolution	0.001mm	0.001mm	0.001mm
Rotation Axis Resolution	0.001°	0.001°	0.001°
Linear Axis Re-positioning Resolution	linear axis 0.005mm	linear axis 0.005mm	linear axis 0.005mm
Rotary Axis Re-positioning Resolution	rotating axis 0.005°	rotating axis 0.005°	rotating axis 0.005°
Control System	SIEMENS/SYNTEC/HNC	SIEMENS/SYNTEC/HNC	SIEMENS/SYNTEC/HNC
Max. Work Piece Length	220mm	220mm	220mm
Max. Work Piece Diameter	Φ250mm	Φ250mm	Φ250mm
Dimension(L x W x H)	2 x 1.75 x 1.9m	2 x 1.75 x 1.9m	2 x 1.75 x 1.9m
Total Weight	2500KG	3100KG	3100KG





TOOL GRINDING EXPERT



PDX Full-Automatic
CNC Fixed-Length Chamfer Grinder



BP5 CNC Cylindrical Grinder



SPECIFICATIONS

	PDX2	PDX3
Max. Loading Weight of Table	80KG	80KG
X-axis Travel	300mm	300mm
Y-axis Travel	150mm	150mm
Max. Feed Speed of X/Y Axis	10m/min	10m/min
X/Y-axis Motor Output Torque	6N.m	6N.m
Max. Rotation Speed of B-axis		310RPM
Mechanical/Electrical Grinding Head Speed	4200/7000RPM	4200/7000RPM
Mechanical/Electrical Grinding Head Peak Power	2.2/5.5KW	2.2/5.5KW
Max. Holding Capacity of B-axis	4-20mm	4-20/25.4mm
Grinding Wheel Size	(100-150)*20/32mm	(100-200)*20/32mm
Linear Axis Control Resolution	0.001mm	0.001mm
Linear Axis Re-positioning Resolution	linear axis 0.005mm	linear axis 0.005mm
Control System	SYNTEC/HNC	SYNTEC/HNC
Max Work Piece Length	160/200mm	160/200mm
Max. Work Piece Diameter	20mm	20mm
Coolant System	Optional	Optional
Dimension(LxWxH)	1.9 x 1.75 x 1.9m	1.9 x 1.75 x 1.9m
Total Weight	1300KG	1600KG

	BP5
Cutter Holding Capacity	Φ 1.0-20mm
Work Piece Shank	Φ 3.0-16mm
Clamping System	W20
Max Grinding Length	200mm
CNC Control System	SYNTEC/SIEMENS
Software	Cylindrical grinding software
5-axis CNC System	X/Y/Z/B/V linkage axis
3-axis Robot System	U/V/W linkage axis
X-axis Travel	300mm
Y,V-axis Travel	30mm
X,Z-axis Travel	100mm
X/Y/Z/V Axis Resolution	0.0001mm
B-axis Rotation Speed	0-3000RPM
Motor Power	0.85kw
Max Workpiece Length	30-300mm
Rough-grinding Motor Power	5.5kw
Rough-grinding Wheel Diameter	Φ 250mm
Finish-grinding Motor Power	3.3kw
Finish-grinding Wheel Diameter	Φ 150mm
Total Power	MAX. 17kw
Dimension(LxWxH)	1900 x 1800 x 2000mm
Total Weight	3100kg

- High bed rigidity-low vibration
- Full servo control-extract positioning
- Rigid linear slide-wear resistance
- Precision ball screw-perfect accuracy



BEIPING MACHINE

Tool Grinding Expert

Automatic Production Line for Endmill and Taps



MCS4 Full-Automatic CNC Tap Groove Grinder

MJS3 Full-Automatic CNC Tap Chamfer Grinder



	MCS4
X-axis Travel	200mm
Y-axis Travel	48mm
Z-axis Travel	90mm
C-axis Travel	∞
Max. Feed Speed of X/Z-axis	7m/min
Max. Rotation Speed of C-axis	75RPM
X/Z Axis Motor Output Torque	6/7.7N.m
Y/C Axis Motor Output Torque	6/7.7N.m
Grinding Head Speed	6000RPM
Max. Holding Capacity of B-axis	M3-M20mm
Grinding Wheel Size	Φ200xΦ76mm
Linear Axis Resolution	0.001mm
Rotation Axis Resolution	0.001°
Linear Axis Re-positioning Resolution	linear axis 0.005mm
Rotary Axis Re-positioning Resolution	rotary axis 0.005°
Control System	SYNTEC
Max. Work Piece Length	120mm
Dimension(LxWxH)	1950x1620x1750mm
Total Weight	3000kg



	MJS3
Max. Feed Speed of X-axis	7m/min
Max. X-axis Travel	50mm
Max. Rotation Speed of Y/Z-axis	1500RPM
X-axis Motor Output Torque	6N.m
Y/Z-axis Motor Output Torque	3.4N.m
Grinding Head Power	2.2kw
Grinding Wheel Size	Φ250/Φ75mm
Max. Linear Speed of Grinding Wheel	62m/s
Grinding Capacity	M3-M20mm
Max. Tap Length	140mm
Tap Chamfer Angle	0-30°
Max. Chamfering Length	25mm
Number of Flute	Any
Max. X-axis Resolution	0.001mm
Max. Y/Z-axis Resolution	0.001°
Control System	SYNTEC
Coolant System	External connecting(optional)
Machine Cover	Closed type
Dimension(LxWxH)	1600x1600x1800mm
Total Weight	1800kg



BEIPING MACHINE

Tool Grinding Expert



BPX6 CNC Insert Grinder



BPX6 CNC insert grinder is used for the precision sharpening of the outside profile of carbide insert and cermet insert.

It adopts German precision accessories, electrical components and latest technology, which guarantees BPX6 has a high accuracy and efficient grinding effect.

BPX6	
X-axis Travel	180mm
Y-axis Travel	550mm
Z-axis Travel	200mm
B-axis Travel	∞°
C-axis Travel	± 110°
A-axis Travel	± 30°
Max. Feed Speed of X/Y/Z-axis	7m/min
Max. Rotation Speed of C-axis	70/500RPM
Max. Rotation Speed of B-axis	15RPM
X/Y/Z-axis Motor Output Torque	8.34N.m
C-axis Motor Output Torque	3.4/40N.m
B-axis Motor Output Torque	6/190N.m
Mechanical/Electrical Grinding Head Speed	2200/10000RPM
Mechanical/Electrical Grinding Head Peak Power	8.5/19KW
B-axis Linkage	Customized chuck
Grinding Wheel Diameter	Φ400mm
Linear X/Y/Z/V Axis Resolution	0.001mm
Rotation A/b Axis Resolution	0.001°
CNC Control System	SIEMENS/FAGOR/SYNTEC
Probe System	RENISHAW/DOMESTIC
Max. Work Piece Incircle Diameter	Φ45mm
Coolant System	29mm
Dimension(LxWxH)	2500x1800x2000mm
Weight	3200/6100kg

GDX4 CNC Hob Grinder



	GDX4-350	GDX4-550
Max. Work Piece Diameter	350mm	550mm
Max. Work Piece Length	1000mm	1100mm
Number of Hob Flute	1-99	1-99
Max. Spiral Angle	± 20°	± 20°
Max. Teeth Depth	40mm	100mm
X-axis Travel	800mm	800mm
Y-axis Travel	250mm	250mm
Z-axis Travel	250mm	250mm
B-axis Travel	∞°	∞°
Max. Feed Speed of X/Y/Z-axis	7m/min	7m/min
X/Y/Z-axis Motor Output Torque	8.34N.m	8.34N.m
Max. Feed Speed of B-axis	50RPM	50RPM
B-axis Motor Output Torque	6N.m	6N.m
Mechanical Grinding Head Speed	3000/9000RPM	3000/9000RPM
Mechanical Grinding Head Power	4/7.5KW	7.5/11KW
Grinding Wheel Size	Φ150-Φ250mm	Φ150-Φ250mm
Axis Linkage	ISO40/ISO50	MS4/ISO50
Linear Axis Resolution	0.001mm	0.001mm
CNC Control System	SIEMENS802D/SYNTEC	SIEMENS802D/SYNTEC
Dimension(LxWxH)	2700x2500x2200mm	2700x2500x2200mm
Weight	2300KG	2500/4100KG



TOOL GRINDING EXPERT



BPCX CNC Cam Grinder



BP2112 CNC Internal Grinder

- ▶ Different from traditional headstock structure, this machine substantially increases its axial and radial rigidity and rotation precision.
- ▶ The CNC system can finish the grinding automatically. One person can operate several machines, therefore saving a lot of labors.

SPECIFICATIONS

	BPCX
Distance Between Centers	500mm
Max. Work Piece Diameter	250mm
Grinding Wheel Size	Φ355x50xΦ127mm
Grinding Wheel Linear Speed	30m/s
Fast Feed of Grinding Head	8m/min
Fast Feed of Table	7m/min
Min. Input Increment of Table/Grinding Head	0.001mm
Rotating Angle of Table	0° ~12°
Rotating Angle of Grinding Head	-30° ~90°
The Taper Of Headstock Center	MT4/BT50
Grinding Head Speed	10~500RPM
Cam Grinding Speed	0~30RPM
Tailstock Taper	MT4
Tailstock Travel	25mm
Grinding Head Spindle Power	4kw x 4P
Main Spindle Power	5.2kw (Servo motor)
Feed Speed of Grinding Head/Table	3.6kw (Servo motor)
Hydraulic Pump Power	0.75kw(6P)
Main Spindle Lubrication Pump Power	0.18kw(2P)
Total Weight	4500KG

SPECIFICATIONS

	BP2112
Max. Grinding Hole Diameter	50mm
Max. Grinding Depth	80mm
Max. Load of Work Piece	25kg(including clamp)
Center Height Between Work Piece And Table	132mm
Total Motor Power	12kw
Rotation Speed of Electrical Spindle	24000/60000r/min
Max. Table Travel	280mm
Max. Travel of Work Piece Axis	200mm
Motor Power of Work Piece	1kw
Linear Speed of Grinding Head	≤27m/s
Min. Programming Increment of Z/X-axis	0.001mm
Max. Feed Speed of Z/X-axis	6m/min
Rotating Angle of Headstock	±30°
Max. Rotation Diameter of Work Piece	200mm/240mm(cover inside/outside)
Cylindricity of Work Piece	≤0.003mm
The Surface Roughness of Inner Hole	≤Ra0.63 μm
Dimension	1600 × 1200mm
Weight	1500kg





BEIPING MACHINE

Tool Grinding Expert Universal Cutter & Tool Grinder



600Q/600F

800F

دستگاه مخصوص ابزار تیزکنی یونیورسال
جهت تیز کردن مته ، فرز ، قلاویز و دنده زنی

SPECIFICATIONS

	600Q/600F	800F
Horizontal Travel of Table	260mm	260mm
Longitudinal Travel of Table	150mm	150mm
Table Size	130x 550mm	130x 550mm
Elevating Distance of Head	160mm	160mm
Rotating Angle of Head	360°	360°
Grinding Wheel Size	150 x 16/50 x 32mm	150 x 16/50 x 32mm
Speed of Grinding Wheel	2800 RPM	4200/7000RPM
Motor Power	3/4HP, 220V/380V	3/4HP, 220V/380V
Net/Gross Weight	160Kg/168Kg	160Kg/168Kg
Packing Size	700 x 630 x 630mm	700 x 630 x 630mm

OPTIONAL ACCESSORIES





MW30

6025W

دستگاه مخصوص تیزکردن ابزارهای دنده زنی
و تولید ابزار دنده زنی
(مدول، هاب، قلاویز و قابلیت سنگ زنی داخلی و خارجی)

STANDARD ACCESSORIES



50H Dividing Attachment
22, 27, 32mm, arbors



50C Lathe tool holders
4MT arbors

SPECIFICATIONS

	6025Q/W/MW30	6025G
Max.Grinding Diameter	250mm	250mm
Elevating Distance of Head	150mm	240mm
Horizontal Travel of Table	315mm	360mm
Longitudinal Travel of Table	150mm	230mm
Area of the Operating Table	130 × 680mm	130 × 940mm
Max.Holding Capacity	230mm	540mm
Rotating Angle of Head	360°	360°
Speed of Grinding Wheel	4200/7000RPM	4200/7000RPM
Motor Power	3/4HP, 380V	2HP, 380V
Height of The Head Holder	135mm	135mm
Head Holder Spindle Taper	Mt # 4	MT # 5/ISO:50
Grinding Wheel Size	150 × 16/50 × 32mm	150 × 16/50 × 32mm
Total Power	1HP	2HP
Net/Gross Weight	209kg/222kg	1000kg/1180kg
Packing Size	730 × 710 × 715mm	1820 × 1500 × 1650mm



6025G



6025Q



BEIPING MACHINE

Tool Grinding Expert

دستگاه ابزار تیزکنی یونیورسال از قطر 3-32mm
جهت تیز کردن مته، فرز، قلاویز



MC160/W Turning Tool Sharpener

PP-32N Multi-functional Tool Grinder

Features:
MC160/W is specially designed for sharpening formed turning tools, while MC160W has a work stand and accessories for sharpening drill bits, butt mill, end mill, R type cutters and etc.

- ▶ Grinding drill bits, step drill, tap, end mill face, round bars fast and accurately.
- ▶ Grinding capacity: Dia. 3mm~Dia. 32mm/76mm (Straight shank: 3mm~32mm; Taper shank: 33mm~76mm)
- ▶ Adopts precision 6 jaw self-centering chuck.
- ▶ When 6 jaw chuck is dismantled, the spindle hole Mt5# can hold max. 76mm taper shank drills.

SPECIFICATIONS

MC160/160W	
Horizontal Travel of Table	160mm
Longitudinal Travel of Table	50mm
Elevating Distance of Head	80mm
Rotating Angle of Head	90°
Speed of Grinding Wheel	2,800 RPM
Motor Power	0.37KW
Grinding Wheel Size	Φ125xΦ32x16mm
Packing Size	580x450x560mm
Net/Gross Weight	55kg/60 kg
Standard Accessories	
Hexagon Wrench	M3、M4、M5、M6、M8、M10x1pc
Spanner	12~14mm 1pc 17~19mm 1pc
Guide Block	1pc
Drill Bit Grinding Attachment	MC160(no);MC160W 1pc
Mill Grinding Attachment	MC160(no);MC160W 1pc
Stand	MC160(no);MC160W 1pc

SPECIFICATIONS

PP-32N	
Longitudinal Travel of Table	90mm
Horizontal Travel of Table	150mm
Rotating Angle of Head	360°
Point Angle	90° ~180°
Grinding Wheel Size	Φ125/150 x Φ32 x 50mm
Speed of Grinding Wheel	2,800 RPM
Motor Power	1 HP, 220V / 380V
Net/Gross Weight	105kg/118kg
Packing Size	810x510x470mm
Standard Accessories:	
Wrench	8~10mm 1pc; 17~19mm 1pc
Hexagon Wrench	M4x1pc; M6x1pc; M8x1pc; M10x1pc
Collet Holder	1pc
Cross Screw Driver	1pc
Cup Type Wheel	Φ150x50xΦ32mm 1pc
Bowl Type Wheel	Φ150x50xΦ32mm 1pc





TOOL GRINDING EXPERT

دستگاه ابزار تیزکنی یونیورسال
از قطر 3-200mm
جهت ساخت و تیز کردن ابزار
(فلایز، فرز، منته و...)



BP60 Precision Drill Grinder



BP150 Precision Tool And Groove Grinder

- ▶ The main spindles have 2 grinding wheels
- ▶ Which could sharpen the blade and the center of drills without changing the wheel.
- ▶ Adopts precise 6 jaw self-centering chuck.
- ▶ Dual cams for single-flute and multiple-flute tools sharpening.

- ▶ Precision Tool and Groove Grinder
- ▶ All milling cutters, end mills, shell end mills, staggered tooth cutters, rough end mills, step drills and taps can be ground.
- ▶ In one chucking operation, the machine can perform the grinding of the rake angle of the flute, clearance angle on the periphery and the end of the tool.
- ▶ Due to the backlash-free operation, spiral toothed, solid carbide or carbide tipped milling cutters can be ground with high accuracy.

SPECIFICATIONS

	BP60	BP100
Drill Size	Φ3-51mm	Φ12-80mm
Point Angles	40° -180°	40° -180°
Clearance Angle	0° -180°	0° -180°
Motor	1/2HP, 220V, 3450 RPM	1 1/2HP
Grinding Wheels	Main wheel 180 × 32 × 31.75mm Point thinning dish wheel 165 × 21 × 31.75mm	Main wheel 180 × 50 × 31.75mm Point thinning dish wheel 165 × 21 × 31.75mm
Grinding The End of End Mills	2.3.4.6.12 flute	2.3.4.6.12 flute
Net Weight	300kg	380kg
Dimensions	750 × 925 × 1300mm	800 × 1000 × 1300mm

SPECIFICATIONS

BP150	
Tool Diameter	Φ3-Φ200mm
Spiral Length With Workhead Spindle	160mm
Horizontal Travel of Workhead	280mm
Cross Travel of Workhead	130mm
Rapid Cross Move With Hand Lever	18mm
Vertical Movement of Wheel Head	230mm
Tilting Angle of Wheel Head	± 30°
Workhead Spindle	ISO40
Spiral Flute & Axial Relief Grinding	
Infinitely Variable, Left & Right Hand	
Helix Angle	0° -90°
Grinding Wheel Bore	31.75mm
Grinding Wheel Diameter	Max.150mm
Grinding Motor	0.75KW
Grinding Wheel Direction	Clockwise or anti-clockwise
Grinding Spindle Speeds	6300, 3800, 2600 RPM
Net Weight	540 kg
Dimensions	1400X1250X1600mm



Tool Grinding Expert

DRILL BIT SHARPENER



مته تیز کن از 3-13mm جهت مته HSS-HSSE و کارباید

PP-13C/13Q

PP-13D/13E/BP13

- ▶ Grinding all straight shank drill bits with two flutes of unlimited overall length.
- ▶ Easy operation-User friendly: grinding a drill within 10 seconds.
- ▶ Unskilled workers can learn to sharpen the drill quickly.
- ▶ Economical price, fast grinding and high accuracy
- ▶ All the drill bit sharpeners can sharpen the front angle, rear angle and chisel edge of the drill bit, while PP13D/PP26/PP30/PP34 can open the relief groove too.
- ▶ PP-13Q has the same function as PP-13C, except that it uses only one 6-jaw self-centering drill holder, while PP-13C uses 11pcs ER collets.
- ▶ PP-13E is used for sharpening the spot cutters.
- ▶ With different grinding wheels, it could grind both HSS and carbide material drill bits.
- ▶ BP-13 is with magnetic switch.



PP-13E



SPECIFICATIONS

PP-13C/D/Q/E/BP13	
Capacity	Φ3mm ~ Φ13mm(1/8"-1/2")
Point Angle	90° ~ 135°
Grinding Wheel	CBN wheel(For HSS Drill)
Motor	180W,1/4HP
Power Supply	AC110V ~ AC220V Single Phase
Speed	5300 RPM
Dimension	310x170x180mm
Weight	10 kg
Standard Accessories	
ER collet	PP-13C:ER20 collets Φ3mm ~ Φ13mm(11pcs)
	PP-13D:ER20 collets Φ3mm ~ Φ13mm(11pcs)
	PP-13E:ER20 collets Φ3mm ~ Φ13mm(11pcs)
	PP-13Q:6 jaw Drill Holder 1 set, no ER collet
	BP-13:ER20 collets Φ3mm ~ Φ13mm(11pcs)
Cbn Wheel	#200x1pc(For HSS drill)
Collet Holder	1 pc
Hexagon Wrench	M2.5x1pc;M4x1pc;M5x1pc
Optional Accessories	
Er20 Collet:3,4,5,6,7,8,9,10,11,12,13mm	
Sdc Wheel (For Carbide Drill)	



TOOL GRINDING EXPERT

DRILL BIT SHARPENER



3-20mm
PP-20

مته تیزکنی از قطر
3-34 mm

3-30mm
PP-26/30/34

- Features: Competitive Price, Easy to Use, and Simple in Structure
- Tool Grinding Properties: able to grind 2-slot twist drill, material of drill as quick cutting steel, tinning drill, cobalt-plated drill, parabola drill, drill with taper shank, hard alloy drill.
- The length of drill shank is not limited, and the tool grinding quantity can be adjusted. Maintenance of Grinding Wheel: Coolant is not required.
- The grinding wheel is of super tolerance to abrasion and electroplated type, without the need for calibration or repair.
- Operating Time: Under normal situation, too grinding can be completed with one 3mm drill within 15 seconds, and with one 19mm drill within 60 seconds.

SPECIFICATIONS

PP-20	
Capacity	Φ3mm ~ Φ20mm (1/8"~1/2")
Point Angle	90° ~ 140°
Grinding Wheel	CBN wheel (For HSS Drill)
Motor	250W
Power Supply	AC110V ~ AC220V Single Phase
Speed	3500RPM
Dimension	390x360x360mm
Weight	24 kg
Standard Accessories	
Cbn Wheel	#200x1pc (For HSS drill)
Collet Holder	1 pc
Hexagon Wrench	M3x1pc; M5x1pc; M8x1pc
Optional Accessories	
Cbn Grinding Wheel (for Hss Drill)	
Sdc Wheel (For Carbide Drill)	

SPECIFICATIONS

	PP-26	PP-30	PP-34
Capacity	Φ12~ Φ26mm	Φ3~ Φ30mm	Φ12~ Φ34mm
Point Angle	90° ~ 135°	90° ~ 135°	90° ~ 135°
Grinding Wheel	CBN#200	CBN#200	CBN#200
Motor	450W	450W	450W
Power Supply	110V/220V 50Hz/1 Phase	110V /220V 50Hz/1 Phase	110V /220V 50Hz/1 Phase
Speed	3500 RPM	3500RPM	3500 RPM
Dimension	490x280x310mm	490x280x310mm	490x280x310mm
Weight	28/30 kg	33/35 kg	37/39 kg
Standard Accessories			
1	ER40 collets:13~26mm	ER40 collets:13~30mm, ER20 collets:3~12mm	ER40 collets:13~34mm,
2	CBN Wheel 1pc	CBN Wheelx1PC	CBN Wheelx1pc
3	Collet holder:1 pc	Collet holder:2 pcs	Collet holder:2 pcs
4	Hexagon Wrench:1 set	Hexagon Wrench:1 set	Hexagon Wrench:1 set
5	ER40 collets:13~26mm	ER40 collets:13~30mm, ER20 collets:3~12mm	ER40 collets:13~34mm,
Optional Accessories			
1	SDC Wheel	SDC Wheel	SDC Wheel
2	ER40 collets:13~26mm	ER40 collets:13~30mm ER20 collets:3~12mm	ER40 collets:13~34mm





دستگاه مته و قلاویز تیز کن



دستگاه مته و فرز تیز کن



BEIPING MACHINE

Tool Grinding Expert

دستگاه فرز و مته تیزکن
M3-30mm

دستگاه مته و قلاویز تیزکن
M3-M36
قلاویز
M3 -M30
مته



ZX13/ZX30 Drill Bit & End Mill Grinder

ZS13/ZS30/SI3 Drill Bit & Tap Grinder

	ZX13	ZX30
Capacity	Drill bit: Φ 3mm ~ Φ 13mm End mill: Φ 4mm ~ Φ 13mm	Drill bit: Φ 12mm ~ Φ 30mm End mill: Φ 12mm ~ Φ 30mm
Motor	AC220V ,1 Phase 50Hz/60Hz,250W	AC220V ,1 Phase 50Hz/60Hz,450W
Speed	4000 RPM	3500 RPM
Packing Size	370x290x280mm	530x340x310mm
Weight	25/28kg	51kg

	ZS13	ZS30
Capacity	Tap:M3 ~ M16 Drill bit: Φ 3mm ~ Φ 13mm	Tap:M16 ~ M36 Drill bit: Φ 12mm ~ Φ 30mm
Motor	AC220V ,1 Phase 50Hz/60Hz,250W	AC220V ,1 Phase 50Hz/60Hz,450W
Speed	4000 RPM	3500RPM
Packing Size	370x290x280mm	530x340x310mm
Weight	20/22kg	51/55kg

دستگاه فرز تیزکن با قابلیت تیز کردن سرفرز و شیارفرز
M4 - 30mm



LX13/LX30
End Mill Sharpener(end&spiral Flute)



- Complex grinder machine for drill/end mill/tap sharpening. Simple operation,fast grinding and money saving. Portable design,easy for transportation.

	LX13	LX30
Capacity	End mill: Φ 4mm ~ Φ 13mm	End mill: Φ 12mm ~ Φ 30mm
Motor	AC220V ,1 Phase 50Hz/60Hz,250W	AC220V ,1 Phase 50Hz/60Hz,450W
Speed	4000 RPM	3500RPM
Packing Size	400x260x250mm	530x340x310mm
Weight	23/26kg	51kg



TOOL GRINDING EXPERT



فرز تیزکن 4 M - 25 M

فرز و قلاویز تیزکن



XS13/XS30 End Mill & Tap Grinder

M13-M36
4M-30M

قلاویز
فرز

	XS13	XS30
Capacity	Tap: M3-M16 End mill: $\Phi 4\text{mm} - \Phi 13\text{mm}$	Tap: M16-M36 End mill: $\Phi 12\text{mm} - \Phi 30\text{mm}$
Motor	AC220V, 1 Phase 50Hz/60Hz, 250W	AC220V, 1 Phase 50Hz/60Hz, 450W
Speed	4000 RPM	3500 RPM
Packing Size	370x290x280mm	520x300x310mm
Weight	25/28kg	51/55kg

X313/XI225 End Mill Sharpener

	X313	XI225
Capacity	$\Phi 4\text{mm} - \Phi 13\text{mm}$	$\Phi 12\text{mm} - \Phi 25\text{mm}$
End Mill Angle		
Collet Holder	2 pcs	2 pcs
Motor Power	250W	750W
Speed	6000 RPM	4500 RPM
Motor	AC110V or AC220V 50/60Hz	
Weight	22/24 KG	45/50 KG
Packing Size	390x360x360mm	410x440x410mm
ER Collet	ER20: $\Phi 4\text{mm} - \Phi 13\text{mm} \times 10\text{pcs}$	ER40: $\Phi 12\text{mm} - \Phi 25\text{mm} \times 7\text{pcs}$
SDC Wheel	1pc (7-13mm); (4-6mm) optional	1pc
Collet Holder	1pc (2&4 flutes End Mill) 1pc (for 3 flutes End Mill)	1pc (2&4 flutes End Mill) 1pc (for 3 flutes End Mill)

فرز سرکروی (بالنوز) تیزکن



QX13/QX30 Ball End Mill Sharpener

	QX13	QX30
Capacity	End mill: $\Phi 4\text{mm} - \Phi 13\text{mm}$	End mill: $\Phi 12\text{mm} - \Phi 30\text{mm}$
Motor	AC220V, 1 Phase 50Hz/60Hz, 450W	AC220V, 1 Phase 50Hz/60Hz, 450W
Speed	4000 RPM	3500 RPM
Packing Size	400x220x260mm	530x340x310mm
Weight	23/26kg	51kg



گردبر تیزکن اره نواری تیزکن



BEIPING MACHINE

Tool Grinding Expert



اره نواری تیزکن

MG110 Band Saw Blade
Tooth Sharpener

گردبر تیزکن

TZ20 Hollow Drill Sharpener

- MG110 is designed for grinding the rear edge of bi-metal and wood-working band saw blade tooth with different pitches and depths. Meanwhile, for wood working band saw blade, the front face of the tooth could also be sharp-ened rapidly.



- Positioning jaw is tungsten carbide tipped for longer wear, and offers accurate feeding.
- Simple design, easy operation, and precision built for years of accurate sharpening work.
- Setup can be completed in just minutes.



SPECIFICATIONS

MG110	
Grinding Capacity	Max.band saw width:90mm Max.tooth pitch:50mm
Angle Degree	15° ~45°
Feed Speed	0~170 teeth/min.
Motor Powe	180W
Motor Speed	2800 R.P.M
Grinding Wheel Size	Φ 150x Φ 25x3(2)mm
Weight	78/84kg
Dimension	560x590x940mm
Standard Accessories	
Hexagon Wrench	M4x1pc M5x1pc M6x1pc M8x1pc
Cross Screw Driver	1pc
Grinding Wheel	Φ 150x Φ 25x3x1pc Φ 150x Φ 25x2x1pc

SPECIFICATIONS

TZ20	
Grinding Capacity	Φ 45~220mm
Teeth Pitch	MAX30
Teeth Depth	MAX12
Range of Cutting Angle	~5°~40°
Feed Speed	0~120teeth/min
Power	1/2HP 220V
Wheel Size	Φ 150 x Φ 32 x 10mm



TOOL GRINDING EXPERT

C15



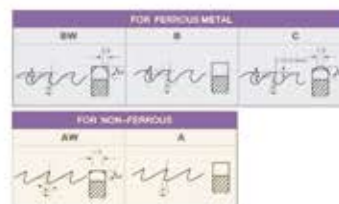
TOOL GRINDING EXPERT



490Q Circular Saw Blade Sharpener

480Z Circular Saw Blade Sharpener

- Circular Saw Blade Sharpener – simple design, easy operation, and precision built for years of accurate sharpening work
- Time saving – setup can be completed in just minutes.
- Alternative high/low teeth can be sharpened in only one pass.
- Tooth chamfering is easily performed by just adjusting the grinding wheel head up and down.
- Positioning jaw is tungsten carbide tipped for longer wear, and offers accurate feeding.
- PP480Z could sharpen both the straight teeth, triangle teeth, circular arc tooth and high/low teeth. But PP490Q could only grind the straight teeth and triangle teeth.



SPECIFICATIONS

	490Q	480Z
Saw Blade Capacity	Φ65-Φ480 mm	Φ65-Φ480 mm
Pitch Range	Max. 40 mm	Max. 30 mm
Depth of Teeth	Max. 10 mm	Max. 10 mm
Range of Cutting Angle	-5° ~40°	-5° ~30°
Feed Speed	0~170 teeth/min	0~120 teeth/min
Max. Thickness of Blade	Max. 8 mm	Max. 8 mm
Grinding Wheel Size	Φ150xΦ32x10mm	Φ150xΦ25x1.5mm
Grinding Wheel Speed	2,800 R.P.M.	4,200 R.P.M.
Drive Motor	1/4 HP, 220V	1/4 HP, 220V
Weight	80/90KG	160/175KG
Packing Dimensions (L X W X H)	590x560x970 mm	850x760x1450mm
Standard Accessories:		
Grinding Guide Blade	72/100Teethx1pc	72/100Teethx1pc
Grinding Wheel	Φ150xΦ32x10x1pc	Φ150xΦ25x1.5x1pc Φ150xΦ32x10x1pc
Open Spanner	4x30 1pc	4x30 1pc
Cross Screw Driver	5x100 1pc	5x100 1pc
Wrench	12-14 1pc 17-19 1pc	17-19 1pc
Hexagon Wrench	M4x1pc M8x1pc M10x1pc	M4x1pc M8x1pc M10x1pc





BEIPING MACHINE

Tool Grinding Expert

دستگاه ابزار تیزکنی جهت تیز کردن ابزارهای چوب



ERM2 Annular Cutter Grinder

This machine adopts the simplest way to grind annular cutters. It has high precision structure and low expense. What's more, it also fits ergonomic design and easy to use. Even unskilled workers can learn to use it in a short time.



SPECIFICATIONS

ERM2	
Travel Path Motor Carriage	70mm
Core Drill Holder Shaft Bore	19.05mm
Guidance Carriage	170mm
Grinding Head Horizontal Rotation	0° - 90°
Grinding Head Vertical Rotation	0° - 90°
Grinding Wheel Size	Φ125mmxΦ25mm
Motor Speed	2800RPM
Head Motor Power	1/2HP, 220V
Net/Gross Weight	30kg/33kg
Dimension(L×W×H)	410x275x280mm
Packing Size	500x320x320mm



FX200 Profile Tool Grinding Machine

This machine is used for the profile processing of woodworking formed cutters and cutters with irregular shapes. The worktable adopts high precision preload linear guide to guarantee both the flexibility and the strong loading ability of the worktable. The body has high rigidity for being made by whole casting..

SPECIFICATIONS

FX200	
Horizontal Travel of Table	200mm
Longitudinal Travel of Table	150mm
Elevating Distance of Head	150mm
Swing Angle of The Spindle Axis	± 30°
Spindle Speed	3000/5400RPM
Grinding Wheel Size	Φ200xΦ31.75mm
Linear Speed of Grinding Wheel	30m/s(3000RPM)
Motor Power of Grinding Head	2.2kw
Rotating Speed of Grinding Head	2840RPM
Coolant Motor Power	0.15kw
Main Motor Power	2.3kw
Dimension(L×W×H)	1200x1000x1500mm
Total Weight	1100kg





TOOL GRINDING EXPERT

دستگاه یونیورسال از 3-25mm جهت تیز کردن قلاویز، فرز، منته و تیغچه

دستگاه های پخ زن در انواع مختلف



U2/U3 Universal Cutter Grinder



U3 ACCESSORIES

R900 Bench Top Combined Chamfer

SPECIFICATIONS

	U2/U3
Max. Collect Capacity	Φ 16 (Option: Φ 28mm for 5C collet)
Max. Grinding Capacity	Φ 25 mm
Taper Angle	0° ~180°
Relief Angle	0° ~45°
Negative Angle	0° ~25°
Spindle Speed	5000 RPM
Cup Grinding Wheel	Φ 100xΦ 20x50mm
Motor	1/2 HP, 380V, 1/4HP, 220V, 50/60Hz
N.W. / G.W	46kg/60kg
Packing Size	550x440x400mm
Standard Accessories:	
Grinding Wheel	Φ 100x50xΦ 20mmx2pc
Hexagon Wrench	M2.5x1pc M3x1pc M4x1pc M5x1pc M6x1pc M8x1pc
Cross Screw Driver	5x100x1pc
Screw Driver	5x100x1pc
Drive Belt	1 pc
Wheel Dresser With Diamond	1 pc
Wheel Flange Mounted	1 pc
Collect	Φ 4, 6, 8, 10, 12mm (5pcs)
Twist Drill Grinding Attachment	U3: 1 pc U2: No
End Mill Grinding Attachment	U3: 1 pc U2: No
Lathe Tool Grinding Attachment	U3: 1 pc U2: No
Optional Accessories:	
Working Stand	
Cup Grinding Wheel	
Drive Belt	
Twist Drill Grinding Attachment	
End Mill Grinding Attachment	
Lathe Tool Grinding Attachment	

SPECIFICATIONS

	R900	R300	R200
Motor Power	3/4HP, 380V	3/4HP, 380V	3/4HP, 380V
Speed	Curved: 8500RPM	2800RPM	2800RPM
Speed	Linear: 7500RPM		
Chamfer Depth	Curved: 0~4mm	0~6mm	0~6mm
Chamfer Depth	Linear: 0~3mm		
Chamfer Angle	240mm		
Disc Size	500x80mm	450x80mm	200x75mm
Slide Size	25° ~45°	15° ~45°	15° ~45°
Net/Gross Weight	48/55kg	43.5/45kg	14/16kg
Dimension	580x560x560mm	480x510x360mm	440x300x320mm

- Used for grinding of HSS and carbide engraving/carving cutters with single and multiple flutes in various shapes.
- with more accessories, it can grind end mills, drill bits and turning tool.
- For large size, it could use 5C collets, which is usually from 3~25mm (collets over 25mm could be customized.)
- U3 has accessories for turning tool, end mill and drill bit sharpening, while it is optional for U2. U3 is equipped with 2 SDC Wheels, while U2 is equipped with 1 SDC and 1 white corundum wheel.



TOOL GRINDING EXPERT



دستگاه های چند محوره مخصوص تولید ابزار



BPLW CNC Tap Thread Grinder



- ▶ CNC tap thread grinding machine.
- ▶ Taps could be ground: taps with straight flute or spiral flute and extrusion tap.
- ▶ The machine is equipped with auto-dressing device for diamond grinding wheel. It adopts high precision close-loop control system and tap grinding software, thus it can fulfill the intelligent programming and automatic operation.

SPECIFICATIONS

	BPLW
Grinding Capacity	Φ3~25mm
Grinding Pitch Capacity	0.25~3.0mm
Max. Thread Length	150mm
Max. Distance Between Centers	250mm
Number of Flute	Any
Chamfer Capacity	0.02 ~ 0.10mm
Work Piece Rotation Speed	variable
Max. Feed Speed of Table	7m/min
Linear Speed of Grinding Wheel (constant Linear Speed)	50~60m/s
Max. Spiral Angle	± 6° (left or right spiral)
X/Z/U-axis Resolution	0.001mm
C-axis Resolution	0.001°
Max. Longitudinal Travel	185mm
Grinding Wheel Diameter	Φ405x32xΦ127mm
Dimension (LxWxH)	1780x1750x1650mm
Total Weight	5000kg

WX2 CNC Cylindrical Grinder

- ▶ CNC cylindrical grinder is suitable for mass production or small and medium-sized batch production. It is mainly used to grind cylindrical tools and cylindrical tools with multiple steps.
- ▶ The operating system adopts CNC servo driver and servo-motors. The feeding of the grinding wheel is with high accuracy, because the longitudinal shift of worktable and the cross transverse feeding of the grinding wheel carriage are driven by servo-motor through high precision ball screw.
- ▶ The grinding wheels have the function of automatic dressing and self-compensation.
- ▶ Adopting high precision online detecting system to detect automatically.

SPECIFICATIONS

	WX2
Max. Cylindrical Grinding Diameter	Φ200mm
Min. Cylindrical Grinding Diameter	Φ8mm
Max. Workpiece Length	500mm
Open Center Rest Capacity	8~60mm
Grinding Wheel Head Motor Power	4kw
Headstock Center	MT4#
Tailstock Center	MT4#
Min. X-axis Pulse Equivalent (diametrical)	0.001mm
Min. Z-axis Pulse Equivalent	0.001mm
Grinding Wheel Diameter	Φ400mm
Grinding Wheel Linear Speed	35m/s
Dimension (LxWxH)	2500x2100x1600mm
Total Weight	3100KG

