

## CNC LATHE MACHINE T2



Model No.	T2
The maxi. rotation diameter of the bed	200mm
The maxi. rotational diameter on the middle drag plate	95mm
The maxi. stroke of the medium drag plate	105mm
The maxi. stroke of the large pallet	190mm
Width of bed	163mm
Main shaft aperture	30mm
Main shaft taper hole	BT40
Spindle speed	0-3000rpm/min
Range of threading	ALLmm
Main motor power	1000W
Feed motor	1.27/1.27mm
X and Z fast-moving speeds	3000/min
Min. setting unit	0.001mm
Tool rest	4-station electric tool rest
Net weight	140kg

**MRCM 美日**

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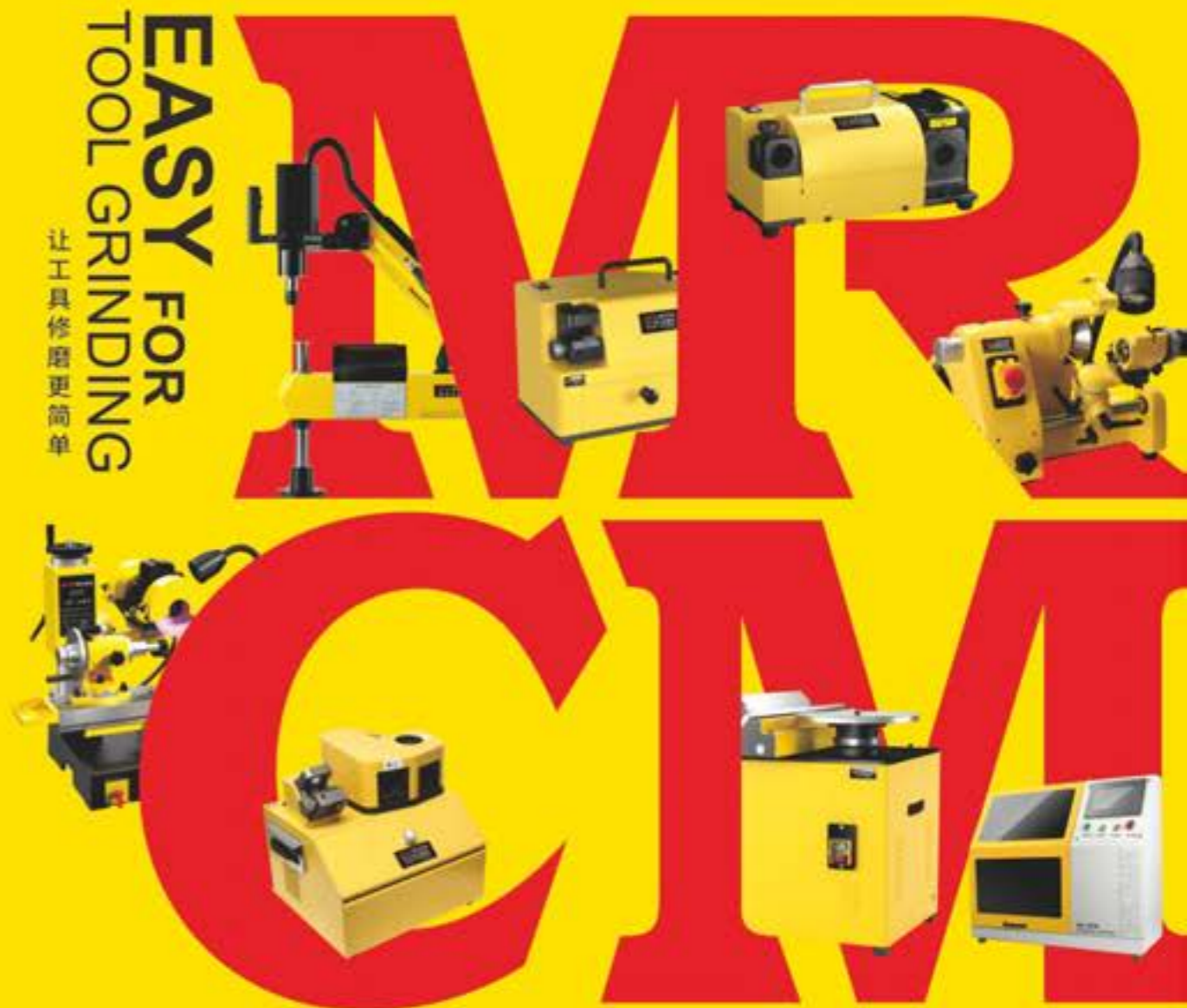
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**MRCM 美日** 机床  
MEIRI CHINA MACHINE

EASY FOR  
TOOL GRINDING  
让工具修磨更简单



数控工具磨床/磨齿机/磨刀机/倒角机/攻丝机/虎钳/零点定位/数控转台/数控刀具  
CNC Tool grinder/Re-sharpening/Gear grinder/Cutter grinder/Chamfer/Tapping machine/Vise/Zero positioning/CNC indexing head/CNC tools

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# MEIRI CHINA MACHINE

**MRCM 美日®**

MEIRI CHINA MACHINE

## About us

ZHEJIANG MEIRI INTELLIGENT MACHINERY CO., LTD. a manufacturer specialized in developing & producing small special-purpose tool grinders, precision machinery tools. We participated in more than 1000 professional exhibitions. Our products have been applied more than 100 patents, and more than 10 invention patents. The products have passed CE certification and sold to more than 60 countries and areas. 80% of exporting products are sold to developed countries such as Japan, Germany, the United States and so on.

Main products include: CNC tool grinder, drill bit sharpener, end mill sharpener, screw tap sharpener, lathe tool grinder, saw blade sharpener, universal cutter grinder, universal tool grinder, chamfer, electric tapping machine, electric discharge machine, precision vise, zero positioning, CNC rotary table, CNC cutter tools, etc.

From research, manufacture, development, management to sales, we implement the ISO 9001 quality control system strictly, continuously inventing, improving our management and economic performance, providing professional and high quality products to satisfy and serve Global clients. It has won the national high-tech enterprise, the integration of industrialization, industrialization, the standard implementation enterprise of intellectual property rights, the provincial A-level contract-abiding and credit-worthy enterprise, the brand pilot enterprise of the Ministry of Industry and Information Technology, Zhejiang Science and Technology Demonstration and Innovation Enterprise, Zhejiang Science and Technology Small and Medium-sized Enterprise, Zhejiang Specialized New Small and Medium-sized Enterprise, Zhejiang Cross-border Ecommerce Export Famous brands and other honors.

The good day starts from MRCM, we warmly customer all over the world visit our factory and place the order!

MEIRI CHINA MACHINE

## Enterprise Glory



ISO 14001    ISO 9001    OHSAS 18001    CE CERTIFICATE    100 NATIONAL PATENTS



Factory building



Showroom



Warehouse



Assembly workshop

## MR-AE30 数控工具磨床 CNC TOOL SHARPENER



Easy to change grinding wheel



Easy-to-use interface



Automated tool alignment and grinding

- MR-AE30 CNC milling cutter universal automatic small grinding machine grinding 2 flute, 3 flute, 4 flute end mill. Flexible, portable and efficient operation; Automatic blade change to free hands; Simplify the original grinding method, greatly improve the work efficiency, make the tool grinding more simple.

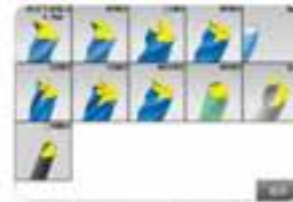
Model	AE30		
End mill grinding range	2-flute,3-flute,4-flute: Φ4-Φ14(20)	Servo system	Self-developed 4-axis grinding system
Motor	220V/750W/1 phase	Life of grinding wheel	8mm mill 800-1000pcs
Speed	3300rpm	Operation type	Touch screen
Grinding efficiency	1min-2min	Standard collet	ER32 9 pcs
Capacity	200-300pcs	Machine size	78*78*72cm
Grinding wheel	125*10*32MM	Optional parts	Vacuum cleaner
Packing	83*82*87cm	Standard function	End mill (2,3,4 flutes), Corner Radius mill, Drill, Ball nose mill, Unequal Pitch End Mill
G.W.	168KG		



**MR-AE20 数控工具磨床**  
CNC TOOL SHARPENER



Motor with protective cover



Easy-to-use interface

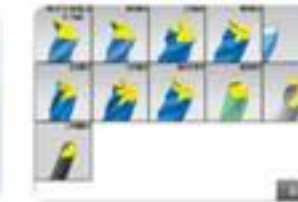
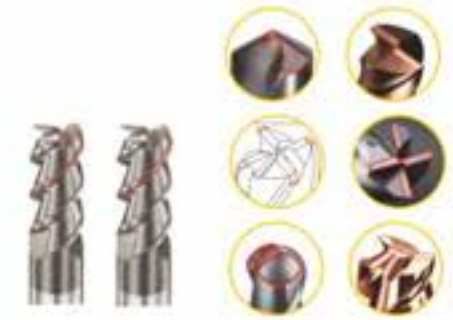


Automated tool alignment and grinding

- MR-AE20 CNC milling cutter universal automatic small grinding machine grinding 2 flute, 3 flute, 4 flute end mill. Flexible, portable and efficient operation; Automatic blade change to free hands; Simplify the original grinding method, greatly improve the work efficiency, make the tool grinding more simple.

Model		AE20	
End mill grinding range	2-flute,3-flute,4-flute: Φ4-Φ14(20)	Servo system	Self-developed 4-axis grinding system
Motor power	750W	Life of grinding wheel	8mm mill 800-1000pcs
Voltage	220V	Operation type	Touch screen
Speed	3300rpm	Standard collet	ER32 9个
Grinding efficiency	1min-2min	Machine size	75*55*86cm
Capacity	200-300pcs	Standard Program	End mill (2,3,4 flutes)
Grinding wheel	125*10*32MM	Optional function	Corner Radius mill, Drill, Ball nose mill, Unequal end mill, Chamfer drill
Weight	106KG		

**MR-AE32 数控工具磨床**  
CNC TOOL SHARPENER



- 4 Axis-CNC tool grinding machine are mainly used for precision regrinding of cutters such as milling cutters and drills, ensuring the edge sharpness, accuracy, and surface quality of the tools. This meets the requirements of high-efficiency cutting, improves processing efficiency and quality, and extends the service life of the cutters.
- Technical Principles: Motion control system, Grinding wheel grinding, Coordinate positioning and motion control, Cooling system

Model		AE32	
Control system	Independently Developed 4-Axis Grinding System	Chuck locking mode	Manual
Operation mode	Touch screen	Spindle power	0.75KW
Power	220V/50HZ/1 phase	Spindle speed	2700RPM
Grinding range	Φ4-Φ20	Cooling Pump Rated Power	150W
Max.Tool Shank Diameter	20mm	Standard program	2-flute,3-flute,4-flute end mill,twist drill
		Standard ER32 collet	4. 6. 8. 10. 12. 14. 16. 18. 20



## MR-AE30H 数控工具磨床 CNC TOOL SHARPENER



- Function: Added cooling system reduces dust pollution from dry grinding and improves grinding accuracy.
- Performance: High automation level, by selecting tool type and size, enables automatic grinding of standard tools, reducing manual operation errors and labor intensity, improving production efficiency.
- Cost: Effectively reduces production cost in batch manufacturing; high component interchangeability and standardization facilitate maintenance and replacement, lowering repair costs.

Model		AE30H	
Control system	Independently Developed 4-Axis Grinding System	Spindle power	0.75KW
Operation mode	Touch screen	Spindle speed	2700RPM
Power	220V/50HZ/1 phase	Cooling Pump Rated Power	150W
Grinding range	Φ4-Φ20	Dimensions	1010mm*980mm*1700mm
Standard tool Max. Length	150mm	Weight	286KG
Optional tool Max. Length	300mm	Supported Languages	English, Russia, Portuguese, Spanish and so on
Standard Collets	4,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20	Optional Programs	Powder Metallurgy Drill, Chamfer Drill
		Standard Programs	End mill (2,3,4 flutes), Corner Radius mill, Drill, Ball nose mill, Unequal end mill, Chamfer drill

## MR-AE30Y 数控工具磨床 CNC TOOL SHARPENER



Easy to change grinding wheel



Easy-to-use interface



Automated tool alignment and grinding

- The machine utilizes dual grinding wheels to achieve multi-angle sharpening. It can grind various tools based on blade geometry, material, and custom requirements, and supports multiple language options to meet diverse user needs.
- The visual display panel with a detailed setup interface ensures easy monitoring and operation. Created data can be stored individually and freely recalled.
- Functional enhancement: An integrated cooling system reduces dust pollution from dry grinding and improves grinding precision.

Model		AE30Y	
Control system	Independently Developed 4-Axis Grinding System	Spindle power	0.75KW
Operation mode	Touch screen	Spindle speed	2700RPM
Power	220V/50HZ/1 phase	Cooling Pump Rated Power	40W
Tool Grinding range	Φ4-Φ20	Dimensions	902mm*740mm*1730mm
Tool Overhang Range	35-150mm	Weight	209KG
Supported Languages	English, Russia, Portuguese, Spanish and so on	Maximum Standard Tool Length Capacity	150mm
Standard Collets	4,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20	Optional Programs	Powder Metallurgy Drill, Chamfer Drill, etc.
		Standard Programs	End mill (2,3,4 flutes), Corner Radius mill, Drill, Ball nose mill, Unequal end mill,



# MR-13G 钻头研磨机

## DRILL BIT SHARPENER



13G/G3



Adjustable grinding depth



Collet set



Prevent the dust into the motor



MR-G3

- 13G can sharpen the drill's point splitting, point angle, and lip relief angle, you also can control the centre spot at random instead of center drill, escape of chips easily.
- Grinding is accurate and rapid, no special skills required.
- With diamond Grinding wheel, it can be equipped directly with an accurate angle and long service life.

Model	13G	G3
Grinding Range	Φ3-Φ15	Φ3-Φ26(Φ32)
Point angle	95°-135°	95°-135°
Motor	220V/120W/50Hz	220V/250W/50Hz
Speed	4400rpm	4400rpm
Dimension	33×19.3×21.2cm	40×26×30cm
Weight	9kg	36kg

Standard equipment: 13G# thirteen collets; G3# twenty-four collets.  
Standard grinding wheel: CBN wheel (for HSS).  
Optional: SD wheel (for carbide).

## MR-13D 钻头研磨机

## DRILL BIT SHARPENER



- Patent 13D/26D can sharpen the drill's point splitting, point angle, and lip relief angle, you also can control the centre spot at random instead of center drill, escape of chips easily.

Model	13D	26D
Grinding Range	Φ3-Φ13(Φ15)	(Φ8)Φ13-Φ26(Φ32)
Point angle	95°-135°	95°-135°
Power	220V/120W/50Hz	220V/50Hz/250W
Speed	4400rpm	4400rpm
Dimension	32×18×19cm	46×24×22cm
Weight	9kg	31kg

Standard equipment: 13D# eleven collets; 26D# fourteen collets.  
G3# twenty-four collets.  
Standard grinding wheel: CBN wheel (for HSS)  
Optional: SD wheel (for carbide).



13D/26D



MR-26D

## MR-20G 钻头研磨机

## DRILL BIT SHARPENER



- 13B/20G can sharpen the drill's point thinning, lip relief angle, set up with the function of adjusting a point (central point) size, which can effectively coordinate with the material of drill hole and the rotation speed. It can control the quality precision and prolong the service life of the drill bit.

Model	13B	20G
Grinding Range	Φ3-Φ13(Φ15)	Φ3-Φ20
Point angle	95°-135°	95°-135°
Power	220V/120W 50Hz	220V/120W/50Hz
Speed	4400RPM	4400RPM
Dimension	32×18×19cm	33×18×20cm
Weight	9kg	10kg

Standard equipment: 13B# eleven collets; 20G# eighteen collets.  
Standard grinding wheel: CBN wheel (for HSS).  
Optional: SD wheel (for carbide).



MR-13B



MR-13A 钻头研磨机

DRILL BIT SHARPENER



- It can sharpen the drill's point angle and lip relief angle, easy to operate.
- Economical machine that greatly reduces the cost and improves the use effect.
- The electrically controlled and powerful DC motor: stable frequency, strong horsepower and long service life.

Model	13A	26A
Grinding Range	Φ3-Φ13(Φ15)	(Φ8)Φ13-Φ26(Φ32)
Point angle	95°-135°	95°-135°
Power	220V/50HZ/120W	220V/50HZ/250W
Speed	4400rpm	4400rpm
Dimension	32×18×19cm	46×24×22cm
Weight	9kg	30kg

Standard equipment: 13A# eleven collets; 26A# fourteen collets  
Standard grinding wheel: CBN wheel (for HSS)  
Optional: SD wheel (for carbide)



MR-26A

MR-60A/80A 万能钻头刃磨机

UNIVERSAL DRILL SHARPENER



- The MR-60A can sharpen Φ10(4) to Φ60(Φ80) all kinds of drills, such as standard twist drills, bottoming drills, multiple diameter drills, four flut drills, wood drills, spot facer.

Model	60A/80A
Grinding Range	Φ10(4)-Φ60/Φ10(4)-Φ80
Point angle	30°-180°
Power	220V 50Hz 550W
Speed	2800rpm
Dimension	58×41×45cm
Weight	145kg



MR-6A 小钻头研磨机  
SMALL DRILL BIT SHARPENER

- MR-6A drill bit grinder, with the camera to set the drill sharpener and do the measure after grinding. It can grind drill bit with flat relief angle and various point thinning. Grinding with travel block control ensures the bit high accuracy, symmetry, and not only the powerful penetrate, but also increase bit using time.

Model	6A
Range	(Φ0.8)Φ1-Φ6
Point angle	90°-150°
Power	220V 250W
Speed	4400RPM
Dimension	62×34×33cm
Weight	40kg

Standard equipment: 6A# eleven collets.  
Standard grinding wheel: CBN wheel (for HSS).  
Optional: SD wheel (for carbide).

NEW



MR-20L 硬质合金钻头研磨机  
CARBIDE DRILL BIT SHARPENER (TC SC DRILL)

- 13L/20L is a patent product, mainly sharpen three bevel bit (inside and outside cold drill), can grind the drill's point angle, back bevel angle (second back angle) and back, the back and center blade size adjustable, accurate positioning, easy drilling, easy chip removal.

Model	13L	20L
Range	Φ4-Φ13	Φ4-Φ20
Point angle	135°	135°
Power	220V 120W	220V 120W
Speed	4400RPM	4400RPM
Dimension	33×18×22cm	33×18×22cm
Weight	9kg	12kg

Standard equipment: 13L# ten collets; 20L#seventeen collets;  
Standard grinding wheel: SD wheel (for carbide).  
Optional: CBN wheel (for HSS).

MR-13L

NEW



MR-220 钻头研磨机  
DRILL BIT SHARPENER

- 220 can sharpen the bit tip angle (top angle) and clearance angle (back angle).

Model	220
Grinding Range	Φ3-Φ20
Point angle	100°(95°)-135°
Power	220V/180W 50/60Hz
Speed	4400rpm
Dimension	32×18×20cm
Weight	17.27kg

Standard equipment: 220#eighteen collets, one CBN wheel.  
Standard grinding range: 220#(Φ3-Φ20)

MR-26P 钻头研磨机  
DRILL BIT SHARPENER

- 26P can grind the drill's point angle and lip relief angle. With the powerful motor, it is stable and durable.

Model	26P
Range	Φ3-Φ30
Point angle	95°-135°
Power	220V/50HZ/450W
Speed	4400rpm
Dimension	46×24×22cm
Weight	33kg

Standard equipment: Twenty-eight collets;  
Standard grinding wheel: CBN wheel (for HSS).  
Optional: SD wheel (for carbide).





HOT



**MR-K2 空心钻研磨机**  
*CORE DRILL SHARPENER*

Core drill SHARPENER uses the easiest way to grind the core drill. With the powerful and precise construction, low consumption, ergonomic design and easy operation.

Model	K2
Grinding Head Travel	70mm
Hole Diameter of Center drill clamber	19.05mm
headstock Travel	170mm
horizontal Rotation of the holder	0°-90°
Vertical Rotation of the headstock	0°-90°
Wheel Spec. ( outer Dia.x inner Hole )	Φ125xΦ25mm
Rotary speed of the wheel	2800rpm
Motor Power of the grinding head	1/2HP 220V
Gross Weight/Netto Weight	33kg/30kg
Machine Size (L length X Width X Height )	410x275x280mm
Packing Size ( Length X Width X Height )	500x320x320mm

**MR-13Q 薄板钻研磨机**  
*SHEET METAL DRILL SHARPENER*

13Q can sharpen the sheet metal drill's point splitting, point angle, and lip relief angle.

Model	13Q
Range	Φ4-Φ14
Point angle	118°-140°
Power	220V 160W
Speed	4400RPM
Dimension	35 x 22.5 x 23.5cm
Weight	13kg

Standard equipment: 13Q# eleven collets;  
Standard grinding wheel: CBN wheel (for HSS).  
Optional: SD wheel (for carbide).

**MR-13T 阶梯钻头研磨机**  
*STEP DRILL SHARPENER*

13T can sharpen the step drill's point splitting, point angle, and lip relief angle. It is accurate and durable.

Model	13T
Range	Φ4-Φ14
Point angle	118°-140°
Power	220V 160W
Speed	4400RPM
Dimension	35 x 22.5 x 23.5cm
Weight	13kg

Standard equipment: 13T# eleven collets;  
Standard grinding wheel: CBN wheel (for HSS).  
Optional: SD wheel (for carbide).

**MR-13Z 左旋钻头研磨机**  
*LEFT DRILL BIT SHARPENER*

13Z can sharpen drills point angle and lip relief angle. It is accurate, escape of chips easily, drilling with a light heart.

Model	13Z
Range	Φ3-Φ13
Point angle	95°-135°
Power	120V 250W
Speed	4400rpm
Dimension	32 x 18 x 18cm
Weight	9kg

Standard equipment: 13Z# eleven collets;  
Standard grinding wheel: CBN wheel (for HSS).  
Optional: SD wheel (for carbide).

NEW



**MR-13R 薄管钻头研磨机**  
*THIN TUBE DRILL BIT SHARPENER*

13R is a multifunctional drill bit sharpener, standard can sharpen the twist drill and thin tube drill. By replacing the grinding wheel, it can grind the other types of the drills, such as the sheet metal drill, step drill, countersink drill, etc.  
13R can sharpen the drill's point angle and lip relief angle, precise positioning, easy drilling and easy chip evacuation.

Model	13R
Range	Φ3-Φ13
Point angle	90°-140°
Power	220V 50/60HZ 160W
Speed	4400rpm
Dimension	30 x 14.5 x 18cm
Weight	13kg

Standard equipment: 13R# eleven collets, one CBN wheel.  
Standard grinding range: 13R# (Φ3-Φ13)  
It is not easy to align the drill less than 3mm.

**MR-13E 大后角钻头研磨机**  
*BIG RELIEF ANGLE DRILL SHARPENER*

13E adopts the newest design of big relief angle, which is bigger than normal drill bit sharpeners' grinding, good for drilling.

Model	13E
Range	Φ3-Φ13
Point angle	95°-135°
Power	220V 120W
Speed	4400RPM
Dimension	32 x 18 x 19cm
Weight	10kg

Standard equipment: 13E# eleven collets;  
Standard grinding wheel: CBN wheel (for HSS).  
Optional: SD wheel (for carbide).

**MR-13F 粉末冶金钻头研磨机**  
*NACHI DRILL BIT SHARPENER*

13F is a patent product can sharpen such as NACHI's SG-ESS drill bit (LIST 7572P).

Model	13F
Range	Φ4-Φ13
Point angle	135°
Power	120W
Speed	4400rpm
Dimension	30 x 14.5 x 18cm
Weight	13kg

Standard equipment: 13F# ten collets;  
Standard grinding wheel: CBN wheel (for HSS).  
Optional: SD wheel (for carbide).

**MR-13C 倒角钻头研磨机**  
*CHAMFER DRILL BIT SHARPENER*

13C can Grinding the drill's point angle, lip relief angle. It is easy to remove the chips and chamfer

Model	13C
Grinding range	Φ3-Φ13
Point Angle	95°-135°
Power	220V 50/60HZ
Speed	4400rpm
Dimension	32 x 22.5 x 23.5cm
Weight	10kg

Standard equipment: 13C# eleven collets;  
Standard grinding wheel: CBN wheel (for HSS).  
Optional: SD wheel (for carbide).



**MR-X3E 铣刀研磨机**  
END MILL SHARPENER



MR-X3D



- X3D/X3E Portable end mill sharpener can grind 2-flute, 3-flute, 4-flute end mill. Customized can be used to open the end face cutting edge.
- Grinding is accurate and rapid, with no skills requirement.
- With diamond grinding wheel, only one piece can complete all procedures. It can be equipped directly with an accurate angle and long service life.

Model	X3D	X3E
Grinding Range	Φ4-Φ14	Φ4-Φ20
Motor	220V/200W	220V/200W
Speed	4400rpm	4400rpm
Dimension	28.5×23×26.5cm	28.5×23×26.5cm
Weight	18kg	20kg

X3D#Six collets (4, 6, 8, 10, 12, 14);three chucks.  
X3E# nine collets (4, 6, 8, 10, 12, 14, 16, 18, 20);six chucks.  
Standard grinding wheel:SD wheel ( for carbide) .  
Optional:CBN wheel(for HSS).

**MR-X1 铣刀研磨机**

END MILL SHARPENER



MR-X1A

- X1/X1A end mill sharpener can grind 2-flute, 3-flute, 4-flute end mill, customized can be used to open the end face edge easily.
- Grinding the end mill in the right side, it is more convenient.

Model	X1	X1A
Grinding Range	Φ4-Φ14	Φ4-Φ20
Power	220V/200W	220V/200W
Speed	4400RPM	4400RPM
Dimension	35×23×24cm	35×23×24cm
Weight	14kg	16kg

Standard equipment: X1# six collets;X1A# nine collets;  
Standard grinding wheel:SD wheel ( for carbide) .  
Optional:CBN wheel(for HSS).

**MR-X3 铣刀研磨机**

END MILL SHARPENER



MR-X3A

MR-X5

- X3/X3A/X5 end mill sharpener can grind 2-flute, 3-flute, 4-flute end mill, customized can be used to open the end face edge easily.
- The face angle can be adjusted from 0° to 3°.

Model	X3/X3A	X5
Grinding Range	Φ4-Φ14/Φ20	Φ12-Φ30(Φ32)
Power	220V/200W	220V/250W
Speed	4400RPM	4400RPM
Dimension	35×23×24cm	40×28×31cm
Weight	15.3kg	27.3kg

Standard equipment: X3# six collets;X3A# nine collets;  
X5# ten collets.  
Standard grinding wheel: SD wheel (for carbide).  
Optional:CBN wheel(for HSS).



**MR-AH12 铣刀研磨机**  
**END MILL SHARPENER**

• AH12 can grind 2-flute, 3-flute, 4-flute end mill, can sharpen the end mill's bottom edge, first bottom edge back angle, second bottom edge back angle, core angle (bottom edge taper), center slot.

Model	AH12	AH20
Range	Φ4-Φ12	Φ4-Φ20
Power	220V/200W	220V/200W
Speed	4400rpm	4400rpm
Dimension	29×25×24cm	29×25×24cm
Weight	8kg	10kg

Standard equipment: AH12# five collets (4, 6, 8, 10, 12); three chucks; SD wheel (for carbide).  
Optional: CBN wheel (for HSS).



**MR-X6 螺旋铣刀研磨机**  
**SPIRAL END MILL SHARPENER**

• X6/X7 can sharpen the end mill bottom edge, first bottom edge back angle, second bottom edge back angle, core angle (bottom edge inverted cone), bottom edge front angle, center slot and side edge. The core angle is adjustable from 0° to 3°.

Model	X6/X6A	X7
Range	Φ4-Φ14/Φ20	Φ12-Φ30
Power	220V/160W	220V/250W
Speed	4400rpm	4400rpm
Dimension	41×24.5×30cm	56×32×38cm
Weight	22kg/23kg	44kg

Standard equipment: X6 standard with eleven collets; X6A standard with seventeen collets; X7 standard with ten collets.  
Standard grinding wheel: SD wheel (for carbide).  
Optional: CBN wheel (for HSS).



**MR-X6R 圆鼻铣刀研磨机**  
**CORNER RADIUS END MILL SHARPENER**

• It is specialized in sharpening end mill and corner radius end mill, it can grind 2-flute, 3-flute and 4-flute. Choosing can grind 5-flute end mill (bigger than Φ12mm can grind 6-flute end mill).  
• Also can open the Tungsten bar's cutting edge directly. It can grind the radius of corner radius end mill as R0.3, R0.5, R0.8, R1 or R0.5, R1 or R1.5, R2. If there is any other radius, we can make the different grinding wheel.

Model	X6R/X6RA
Grinding Range	Φ4-Φ14/Φ4-Φ20
Are size	R0.5, R1 or R1.5, R2 or R0.3, R0.5, R0.8, R1
Power	220V/160W
Speed	4400rpm
Dimension	41×24×30cm
Weight	22kg/24kg

X6R standard with 6 collets; X6RA# nine collets.  
Standard grinding wheel: SD wheel (for carbide).  
Optional: CBN wheel (for HSS).



**MR-F4/F6 铣刀·钻头复合机**  
**COMPLEX SHARPENER OF MILL & DRILL**

• Complex sharpener of end mill & drill, one machine with two function, easy to use, economical and practical, with no skill requirement to grind.  
• F4=13D+X3 F6=26D+X5

Model	F4/F4A		F6	
	End mill	Drill	End mill	Drill
Range	Φ4-Φ14/Φ20	Φ3-Φ14	Φ12-Φ30	Φ13-Φ30(Φ32)
Point angle	0°-3°	95°-135°	0°-3°	95°-135°
Power	220V 160W		220V 250W	
Speed	4400rpm		4400rpm	
Dimension	35×23×30cm		45×34×38cm	
Weight	21kg		47kg	

Standard equipment: F4 twelve collets; F4A fifteen collets; F6 eighteen collets;  
Standard grinding wheel: CBN wheel (drill side), SD wheel (mill side)



**MR-AR12 球头铣刀研磨机**  
**BALL END MILL SHARPENER**

• AR12 is a dedicated integral ball end milling cutter grinding machine.

Model	AR12
Range	Φ6-Φ12
Power	220V/200W
Speed	4400rpm
Dimension	32×32×29cm
Weight	13kg

Standard equipment: ER20 collets(6, 8, 10, 12); 2 flutes collet chuck  
Standard grinding wheel: SD wheel (for carbide).  
Optional: CBN wheel (for HSS).



**MR-X8 球头铣刀研磨机**  
**BALL END MILL SHARPENER**

• It is the special grinder for ball end mill.  
• Grinding is accurate and rapid, easy operation, with no skill requirement to grind.

Model	X8
Range	Φ6-Φ20
Power	220V/250W
Speed	4400rpm
Dimension	60×29×37cm
Weight	40kg

Standard equipment: X8# eight collets.  
Standard grinding wheel: SD wheel (for carbide).  
Optional: CBN wheel (for HSS).



**MR-X4 切断研磨机**  
**CUTTING MACHINE**

• X4 is the specialized machine for cutting the tools.

Model	X4
Range	Φ4-Φ14
Power	220V 160W
Speed	4400rpm
Dimension	35×23×27cm
Weight	12kg

Standard equipment: X4# eleven collets;  
Standard grinding wheel: CBN wheel (for HSS) or SD wheel (for carbide).



**MR-13Y 钨棒研磨机**  
**TUNGSTEN BAR SHARPENER**

• 13Y At the ends of tungsten rods, tungsten electrodes, tungsten needles, and welding needles part sharpening.  
• 13W Tungsten bar grinder can adjust point angle from 60° to 90° (0° to 180°)

Model	13Y	13W
Range	Φ1.6-Φ5	Φ4-Φ14
Power	220V/70W	220V 160W
Speed	4400rpm	4400rpm
Dimension	23×16×18cm	35×23×27cm
Weight	5kg	12kg

Standard grinding wheel: SDC (for CARBIDE) × 1  
Standard grinding wheel: CBN wheel (for HSS) or SD wheel (for carbide).



HOT



MR-Y3C

**MR-Y3C 丝攻研磨机**  
**SCREW TAP SHARPENER**

- Y3C/Y5C can sharpen 3-flute, 4-flute straight groove tap and tip tap, can be customized to sharpen 5-flute, 6-flute and left screw tap.
- Y3C/Y5C can sharpen the tap's guide angle (point angle), straight groove, chute, or end face.

Model	Y3C	Y5C
Range	M5-M20	M16-M42
Point Angle	5°-30°	5°-30°
Power	220V/160W	220V/250W
Speed	4400rpm	4400rpm
Dimension	36 x 27 x 30.5cm	40 x 30 x 31cm
Weight	16kg	26kg

Standard equipment: Y3C six collets; Y5C nine collets;  
Standard grinding wheel: CBN wheel(for HSS);  
Optional:SD wheel (for carbide).



**MR-Y3 丝攻研磨机**  
**SCREW TAP SHARPENER**

- Y3 can sharpen 3-flute, 4-flute straight groove tap and tip tap, can be customized to sharpen 5-flute, 6-flute and left screw tap.
- Y3 can sharpen the guide angle (point angle) and end face of tap.

Model	Y3
Range	M5-M20
Point Angle	5°-30°
Power	220V/160W
Speed	4400rpm
Dimension	31 x 19 x 20cm
Weight	13kg

Standard equipment: Y3 six collets;  
Standard grinding wheel: CBN wheel(for HSS);  
Optional:SD wheel (for carbide).



**MR-Y6B 螺旋丝攻研磨机**  
**SPIRAL SCREW TAP SHARPENER**

- Y6B can sharpen 3-flute, 4-flute spiral screw tap, can be customized to sharpen 5-flute, 6-flute and left screw tap.
- It can sharpen the tap's guide angle (point angle), straight groove, chute, spiral groove, and end face.

Model	Y6B
Range	M5-M20
Point Angle	5°-30°
Power	220V/160W
Speed	4400rpm
Dimension	48 x 30 x 33cm
Weight	25kg

Standard equipment: Y6B six collets;  
Standard grinding wheel: CBN wheel(for HSS);  
Optional:SD wheel (for carbide).



**MR-A5 丝攻·钻头复合机**  
**COMPLEX SHARPENER OF TAP & DRILL**

- A5 is the complex sharpener of screw tap and drill, the tap side can sharpen 3-flute, 4-flute screw tap. Drill side can sharpen the drill's point splitting, point angle, and lip relief angle.

Model	Screw tap	Drill
Range	M5-M20	Φ4-Φ14
Point angle	5°-30°	100°-135°
Power	220V/160W	
Speed	4400rpm	
Dimension	36 x 29.5 x 28cm	
Weight	21kg	

Standard equipment: A4 eleven collets;  
Standard grinding range TAPS M5-M20, DRILL Φ4-Φ14  
Standard grinding wheel: CBN wheel(for HSS);  
Optional:SD wheel (for carbide).

**MR-U5 万能磨刀机**  
**UNIVERSAL CUTTER SHARPENER**



Lathe tool



End mill



Drill bit



- For grinding HSS and carbide engraving cutter as well as single lip or multiple lip cutters of various shapes such as radiused cutters or negative taper angle of cutters.
- The universal index head is provided at 24 positions so that any particular angle or shape can be obtained, free 3600 or 100 rotation is allowed for grinding End Mills, Twist Drill, Lathe Tools, only replace the attachment to the index head without any complex setup.
- U5 with the attachments can grind drill bit, lathe tool and ball cutter. U5 with the 5C collets.

Model	U5		
Max. Grinding dia.	Φ25mm	Motor	220V/380V
Taper angle	0°-180°	Net weight	45kgs
Relief angle	0°-44°	G.W.	57kgs
Negative angle	0°-52°	Dimension	0°-52°
Grinding speed	5200RPM	Grinding speed	49*39*39cm (carton)
Cup grinding wheel	100x50x20mm		53*37*42cm (plywood)



MR-U3 万能磨刀机

UNIVERSAL CUTTER SHARPENER



- The machine is necessary of CNC carving machine and milling machine.
- U3 with the attachments can grind drill bit, lathe tool and ball cutter.
- Standard with 5 collets, one resin wheel and one white wheel.

Model	U3
Collet diameter	Φ3-Φ18
Grinding wheel	Φ100×50×Φ20
Power	220V/380V 50Hz
Speed	5300rpm
Dimension	45×35×34cm
Weight	55kg



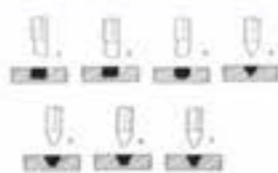
Lathe tool



End mill



Drill bit



MR-U2 万能磨刀机

UNIVERSAL CUTTER SHARPENER



MR-20

- The machine is necessary of CNC carving machine and milling machine.
- The universal cutter grinder U2 with the attachments can grind drill bit, lathe tool and ball cutter. The max. holding diameter:Φ18mm
- 20 without the attachments
- U2 and 20 Standard with 3 collets,one resin wheel

Model	U2/20
Collet diameter	Φ3-Φ18
Grinding wheel	Φ100×50×Φ20
Power	220V/380V 50Hz
Speed	5300rpm
Dimension	45×35×34cm
Weight	51kg/45kg



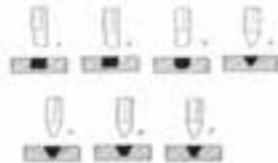
Lathe tool



End mill



Drill bit



MR-600F/6025 万能工具磨床

UNIVERSAL TOOL SHARPENER



MR-600F

- The working table of 600F uses the high precision straight line roiling guide rail, good back and forth movement, high stability, steady bed platform, dexterous operation.
- The worktable of 6025 uses two high precision straight line roiling guide rails, steady bed platform, good movement.
- Motor can rotate 360° in the horizontal plane, the grinding wheel can be clockwise and anticlockwise.
- Standard accessory can grind lathe tool, end milling cutter, face and side cutters, hobbing cutters, circular paper cutters,reamer bit etc



High-speed grinding head



Toolbox 50B



Centre 50J



MR-6025

MR-6025Q

MR-6025W



- 50E Spiral mill-ball cutter grinder 50E grind spiral milling cutter ball end mill,R type lathe tool, graver and other taper milling cutter.



- 50D End-milling cutter grinder 50D can grind end mill ,side mill and so on.



- 50K Drill bit • screw tap grinder 50K can grind drill bit ,screw tap, side mill,round bar and so on.

Model	600F
About worktable diameter	300mm
About worktable traveling schedule	150mm
Worktable area	130×550mm
Grinding wheel size	Φ125×50×Φ32mm
Power/Speed	2800RPM
Motor	3/4HP 200V/380V
Dimension	70×63×63cm
Weight	168kg/160kg

Model	6025
About worktable diameter	350mm
About worktable traveling schedule	150mm
Worktable area	130×675mm
Grinding wheel size	Φ150×16×Φ32mm
Power/Speed	5000RPM
Motor	3/4HP 200V/380V
Dimension	73×71×72cm
Weight	209kg/222kg



**MR-M3 数控刀片·车刀研磨机**  
*BLADE & LATHE TOOL SHARPENER*

- MR-M3 is suitable to grind many kinds of cutters, such as tipped tool, boring cutter, plough cutter, and so on. It is a perfect grinding tool instead of hand grinding.
- Worktable uses high precision cross rolling guide rails, good movement, high stability, steady bed platform, dexterous operation.

Model	M3
Arc angle	R0.2-R10
About worktable diameter	140mm
Voltage	380V 250W
Speed	2800rpm
Dimension	44 x 34 x 44cm
Weight	78kg



**MR-M4 数控刀片·车刀研磨机**  
*PCD-CBN BLADE SHARPENER*

- M4 uses the camera to detect the sharpening tool, which can detect the length, angle and arbitrary arc radius of (R0.5-R2.4). It is specially developed for the grinding of PCD inserts, alloy inserts, CBN inserts, etc.

Model	M4
Arc angle	R0.05-R2.4
About worktable diameter	140mm
Voltage	380V 550W
Speed	5500rpm
Dimension	56 x 60 x 80cm
Weight	150kg



**MR-Q20 枪钻研磨机**  
*GUN-DRILL SHARPENER*

- Compact structure, convenient and reasonable clamping, simple adjustment, time-saving processing (one time clamping is completed all the angles of the grinding edge), the drilling edge of the processing of high strength, good accuracy.

Model	Q20	QZ5
Grinding range	Φ5-Φ18mm	Φ5-Φ22mm
Speed	2800rpm	2800rpm
Power	AC110V 370W	AC380V 550W
Right and left stroke		35 x 23 x 27cm
Lifting stroke		105mm
Dimension	455 x 455 x 520mm	44 x 34 x 44cm
Weight	50kg	78kg

MR-QZ5



**内外径研磨机**  
*INSIDE AND OUTSIDE DIAMETER SHARPENER*

- Suitable for needle punch, nozzle, small mandrel, small outside diameter grinding related components.

Model	
Maximum front and rear stroke	40mm
Outside diameter machining stroke	Φ0.3-25
Left and right stroke	70mm
Machine size	600 x 560 x 1520cm
Clampable diameter	Φ1-25
Weight	380KG



**MR-DS16 电动攻丝机**  
*ELECTRIC TAPPING MACHINE (TOUCH-SCREEN)*



Universal head



Vertical head



Collet: 1 set



push-button



3-arm type

- Suitable for tapping thread of all kinds of machinery, molds and auto parts. Servo motor and planetary reducer output torque is strong, constant torque, speed stepless speed regulation, large adjustment range, according to different materials and processing of different sizes of threads to choose different models.
- Double protection continuous tap, automatic display of torque and pitch, no manual setting, efficiency is 50-100 times of traditional equipment.
- The machine adopts three tapping modes: automatic mode, manual mode and deep hole mode.

Model	DS12	DS16	DS24	DS30	DS36
Tapping Range	M2-M12	M3-M16	M6-M24	M6-M30	M6-M36
Power	110V/220V 600W	110V/220V 600W	220V 1200W	220V 1200W	220V 1200W
Speed	0-1000rpm	0-312rpm	0-200rpm	0-200rpm	0-156rpm
Horizontal stretch	vertical 1030mm universal 1100mm	vertical 1030mm universal 1100mm	vertical 1100mm universal 1200mm	vertical 1100mm universal 1200mm	vertical 1100mm universal 1200mm
Vertical stretch	540mm adjustable	540mm adjustable	570mm adjustable	570mm adjustable	570mm adjustable
Weight	27kg	32kg	50kg	53kg	55kg

DS16 STANDARD ISO COLLETS: M3, M4, M5, M6-8, M10, M12, M14, M16; DS30 STANDARD ISO COLLETS: M6-8, M10, M12, M14, M16, M18-20, M22, M24, M27-30.

DS36 STANDARD ISO COLLETS: M6-8, M10, M12, M14, M16, M18-20, M22, M24, M27-30, M33, M36



## MR-DS24/DS30/DS36/DS48 升降攻丝机

### Lifting arm tapping machine



- With the function of quiet, stable, power saving, high speed with low torque, low speed with high torque, and have the protection of over voltage, over current, over load, etc.
- With the lifting equipment, it is easy to adjust the height, accurate and stable.



Universal head

Vertical head

MODEL	DS24	DS30	DS36	DS48
Tapping Range	M6-M24	M6-M30	M6-M36	M12-M48
Power	220V 1200W	220V 1200W	220V 1200W	220V 1200W
Speed	0-200rpm	0-200rpm	0-156rpm	0-90-200rpm
Horizontal stretch	1100mm	1100mm	1100mm	1300mm
Vertical stretch	520mm adjustable	520mm adjustable	520mm adjustable	400mm adjustable
Weight	50kg	53kg	55kg	129kg

## MR-DS16 喷油喷气电动攻丝机

### Oil spray & air blowing electric tapping machine



Air blowing & mist spray

- Spray and blow separate can be opened at the same time or single instant spray technique.
- Press tap switch for instant spray even saving.
- Different from the delay spray on the market instantaneous spray technology is better for you to solve the problems encountered in the work.
- Equipped with blowing work can blow dust clean.
- No need to manually blow iron scraps to improve efficiency.

Model	DS12	DS16	DS24	DS30	DS36
Tapping Range	M2-M12	M3-M16	M6-M24	M6-M30	M6-M36
Power	110V/220V 600W	110V/220V 600W	220V 1200W	220V 1200W	220V 1200W
Speed	0-1000rpm	0-312rpm	0-200rpm	0-200rpm	0-156rpm
Horizontal stretch	vertical 1030mm universal 1100mm	vertical 1030mm universal 1100mm	vertical 1100mm universal 1200mm	vertical 1100mm universal 1200mm	vertical 1100mm universal 1200mm
Vertical stretch	540mm adjustable	540mm adjustable	570mm adjustable	570mm adjustable	570mm adjustable
Weight	27kg	32kg	50kg	53kg	55kg

DS16 STANDARD ISO COLLETS: M3, M4, M5, M6-8, M10, M12, M14, M16; DS30 STANDARD ISO COLLETS: M6-8, M10, M12, M14, M16, M18-20, M22, M24, M27-30;

DS36 STANDARD ISO COLLETS: M6-8, M10, M12, M14, M16, M18-20, M22, M24, M27-30, M33, M36

NEW



## MR-16 悬臂式钻攻一体机

### CANTILEVER DRILLING AND TAPPING INTEGRATED MACHINE

- The electric servo cantilever drilling and tapping machine is suitable for drilling and tapping various machines, molds, and auto parts.
- The whole machine adopts the suspended manipulator mode, which realizes the integrated interchange of drilling and tapping, which is flexible and convenient.
- The operation interface adopts touch-screen operation to make drilling and tapping easier and more convenient, which can be operated by any general worker.
- This machine adopts cantilever drilling and tapping integration, which is fast and convenient, replacing the existing drilling and tapping products in the market.

Drilling range	Φ3-Φ16	Collet	M5-M20
Tapping range	M5-M20	Working radius	850mm
Collet Qty	7PSC	Max.speed	315rpm
Working type	Vertical	Voltage	220V/1000W
Working depth	80(mm)	Weight	130KG
Working height	400(mm)		

## 台式攻丝机

### DESKTOP TAPPING MACHINE MR-30S

- It is a servo-driven electric drilling and tapping machine, suitable for all kinds of machinery, mold, parts of the drilling and screw tapping processing operations.

Power:	1.2KW	Voltage:	220V 50HZ
Maximum spindle speed:	200rpm	Maximum distance from spindle center to workbench:	455MM
Minimum tapping diameter:	M6	Spindle center to column surface:	220MM
Maximum tapping diameter:	M30	Workbench size:	550MM*360MM
Minimum drilling diameter:	Φ8	Maximum spindle stroke:	80MM
Maximum drilling diameter:	Φ13	Column lifting stroke:	330MM
Column diameter:	70MM	Overall height:	1100MM

## 吸盘 MAGNETIC SEAT

- With optional magnetic base work in any big workpiece surface;
- Compact structure, easy to carry and operate.

Model	Rated capacity (kg)	Maximum pulled off (N)	Cylindrical work limits		Self-weight (kg)
			Diameter (mm)	weight	
PML-300	300	10500	≥60	≤100	9.6
PML-600	600	18000	≥70	≤00	18



Drawer

## 工作台 WORK TABLE

- Cast iron worktable, height can be customized according to the needs.

Model	Size (L*W*H)mm	Weight
MR-580	500(L)*800(W)*730(H)mm	62KG
MR-690	600(L)*900(W)*730(H)mm	81KG
MR-690S	600(L)*600(W)*750(H)mm	87KG



# MR-R900 滑轨复合倒角机

## HIGH SPEED SLID RAIL COMPLEX CHAMFER



MR-R700H

MR-R700E

- It is easy, quick to change the cutter, no need to clamp, easy operate, perfect chamfering, easy adjust, and economic, suitable for batch parts of mechanism or mould.
- Need no attire clamping, simplicity of operation, neat bevel edge, easy adjustment greatly enhance operation efficiency. This bevel machine is suitable for batch machine parts production, mold bevel edge. Using high-speed bevel machine is the current trend of the development of mechanical industry.

Model	R900
Chamfering height	Straight line: 0-3mm Curved: 0-2.5mm
Chamfering angle	Straight line angle: 45° Curved angle: 45°/R2/R3
Power	3/4HP(750W), 380V
Speed	Straight line: 8500rpm Curved: 12000rpm
Dimension	52×60×60cm
Weight	64kg
Standard Equipment	Inserts*2 sets : 1 set for straight, 1 set for curved

Notice: It is better to keep the grinding amount at 2mm each time.



Chamfer straight line 15°-45°



MR-R200A

### MR-R200/R200A 手提强力倒角机

#### PORTABLE CHAMFER

- Suitable for any length of non-heat treatment workpiece and any other parts which are hard to move. It is easy to operate, take less time.
- R200A with the adjustable speed, get the good chamfering surface.
- A100 is the air portable chamfering machine.

Model	R200	R200A
Chamfering height	0-3(6)mm	0-3(9)mm
Chamfering range	15°-45°	15°-45°
Power	380V 750W	220V 750W
Speed	2800rpm	3000-6000rpm
Dimension	38×24×24.5cm	38×24×24.5cm
Weight	13kg	13kg

Notice: The Max chamfering range is 2mm to 3mm everytime.



### MR-A100 气动倒角机

#### PORTABLE CHAMFER

- Min pneumatic chamfer is a portable and a power device, use the expansion of compressed gas to convert pressure energy into mechanical energy.
- With the simple structure, small size, light weight, large horsepower, easy operation that used widely.

Model	A100
Chamfering capacity	C0.1-C1.5: R1.5
No-load speed	3000rpm
Chamfering hole Dia.	0.1-0.9MM
Air consumption	0.4m³
Air pressure	0.6-0.8mpa
Weight	0.44kg

Notice: The Max chamfering range is 2mm to 3mm everytime.



Pipe Beveling Machine

### SKF-15 坡口倒角机

#### Pipe Beveling Machine

- SKF-15 chamfering machine is specially designed for plate beveling and chamfering. It is a convenient and dexterous machine. It can be used for deburring and chamfering of metal sheet before welding, etc. The machine is simple and safe to use, suitable for steel, cast iron, hard plastics, non-ferrous metals and other materials.

Model	SKF-15
Maximum cutting edge width	15mm(adjustable)
Chamfering angle	30-60°(adjustable)
Rotation speed	2870 r/min
Power	380V/1.1KW
Weight	18KG



Chamfer straight line 15°-45°



MR-R500

### MR-R300 侧面倒角机

#### SIDE CHAMFER

- R300 is suitable for non-heat treatment workpiece, for example various mould, parts of machine's rubdown.
- R500 adopting the grinding wheel, suitable for heat treatment of workpiece.

Model	R300	R500
Chamfering height	0-3(6)mm	0-3mm
Chamfering range	15°-45°	
Power	380V 550W	380V 550W
Speed	2800rpm	2800rpm
Dimension	53.5×38.5×30cm	53×42×39cm
Weight	38kg	36kg



**MR-R800B 复合倒角机**  
HIGH SPEED COMPLEX CHAMFER

It's suitable for regular and irregular parts of mechanism or mould. The angle of R800B straight line part can be adjust from 15 degree to 45 degree.

Model	R800B	
Chamfering range	Straight 0-3mm	Curved 0-2.5mm
Chamfering angle	Straight 15°-45°	Curved 45°
	Curved 45°	Straight 45°
Power	380V 750W	
Speed	Straight 8500rpm	Curved 12000rpm
Dimension	52×44×69cm	
Weight	68kg	

The machine adopt Swedish SKF bearing and imported digital cuttings.



**MR-Q5 锯片磨齿机**  
SAW BLADE SHARPENER

It can sharpen carbide and high speed steel saw blade. With accurate setting and high speed, can grind the teeth automatically. Adjustable speed, it is fast and accurate.  
Q5 get our China national patent, the motor can rotate up and down which can sharpen gear front and back angles (or chamfer).

Model	Q5
Saw blade dia	Φ60(Φ25)-Φ300(Φ350)
Voltage	220V/380V
Speed	45teeth/min
Power	550W 60W(T)
Dimension	65×65×105cm
Weight	103kg

NEW



**MR-R400A/R400B 立式砂带机** BELT SANDING MACHINE

Model	R400A	R400B
Voltage	220V/380V	220V/380V
Power	1.1KW	2.2KW
Speed	2800r/min	2800r/min
Line speed	0-19m/s	0-24m/s
Belt size	915mm×50mm	915mm×50mm
Dimension	370×300×480mm	390×300×430mm
Weight	20Kg	34Kg



welding tip



**MR-Q10 焊接锯片磨齿机**  
SAW BLADE SHARPENER

Without model plate, can grind the teeth automatically. Adjustable speed, it is fast and accurate. It can grind the teeth. And it also can keep balance and efficiently.

Model	Q10
Saw blade Dia.	Φ60-Φ350(Φ400)
Voltage/Power	220V/250W 60W(T)
Speed	4000rpm/45teeth/min
Dimension	62×62×72cm
Weight	56kg



**SAW BLADE CUTTING MACHINE 圆锯片切割机**

- Professional design of circular saw for metal workshop
- Gear head swivels -45° to +45° for more cutting range
- Accurate, self-centering double-clamping vice
- Removeable coolant tank integrated in solid machine base
- Operating handle with push button for good working
- Hardened, ground worm shaft and quality bronze worm gear
- Gears running in oil bath
- Protective cover opens automatically when cutting
- Solid stand, coolant system as standard
- Sawblade and roller stand (1M/2M/3M) as optional

Model	CS 275	CS 315	CS 350
Sawblade dimension	275x40mm	315x40mm	350x40mm
SpeedMax. opening	48/96rpm	19/38rpm	19/38rpm
Working height	110mm	140mm	150mm
Clamping vice	900mm	920mm	930mm
Cutting capacity 90° (flat)	double	double	double
Cutting capacity 90° (square)	100x60mm	130x70mm	135x110mm
Cutting capacity 90° (round)	60x60mm	70x70mm	110x110mm
Cutting capacity 45° (flat)	Φ60	Φ70	Φ110
Cutting capacity 45° (square)	70x60mm	90x70mm	110x90mm
Cutting capacity 45° (round)	60x60mm	70x70mm	95x95mm
Motor power	Φ60	Φ70	Φ110
Net weight	1.4/2.0kw	1.1/1.5kw	1.1/1.5kw
Packing	175kg	235kg	255kg
size (mm)	940x560x1490	1100x830x1520	1100x830x1520



**MR-20W/30W 激光打标机** LASER MARKING MACHINE

The marking and rotating table share a set of software, is one of the best marking software in China. It is very easy to edit any text pattern, and users with a certain computer foundation can master it in 30 minutes.

Model	20W	
Repeatability	0.003mm	Engraving depth ≤0.2≤0.3≤0.5
Output power	20W/30W/50W	Laser wavelength 1064nm
Pulse width	100NS	Power requirements 200V 50HZ
Light quality M2	< 1.1	Overall power < 220V ~ 250V ~ 450V
Minimum line width	0.03mm	cooling mode 水冷
Modulation frequency HZ	0-80	Marking range 110mm* 110mm
Minimum character	0.5mm	



Type A can grind the saw blade that cut copper and aluminum pipe.  
Type B can grind the ordinary circle-arc saw blade.

**MR-S450 圆弧锯片磨齿机**  
CIRCULAR-ARC SAW BLADE SHARPENER

S450 can be easy to adjust sawteeth's cutting angle, back clearance angle, and teeth space. It is fast and accurate to grind the blade sharply. Grinding wheel can swing up and down, which can grind the chamfer angle without replacing the wheel.

Model	S450
Saw blade diameter	Φ50-Φ450
Speed	45-180teeth/min
Teeth space	(max)28mm
Tooth depth	(deepest)8mm
Cutting angle	0°-30°
Saw thickness	(thickest)8mm
Dimension	132×80×80cm
Weight	130kg



Φ150×Φ32×(10T)mm

**MR-S380 带锯条磨齿机**  
BAND SAW BLADE SHARPENER

It can grind various thin wood saw blade, double metal saw blade, carbide steel saw blade and so on.  
MR-S380 is a new multifunction and patent machine that can grind changeable teeth (tip) of band saw blade, such as 2/3, 3/4, 4/6 etc.

Model	S380
Saw blade width	16-45mm(60mm)
Teeth space	3-30mm
Teeth speed	40-60teeth/min
Grinding wheel	150mm
Power	380V/220V 550W
Speed	2800rpm
Dimension	60×50×100cm
Weight	110kg



## 精密车床 Precision lathe machine

Model No.	D210x400 Vario	D180x300 Vario
Distance between centres	400mm	300mm
Swing over bed	210mm	180mm
Spindle bore taper	MT3	MT3
Spindle bore	21mm	21mm
Range of spindle speeds	50-2500 rpm	50-2500rpm
Range of longitudinal feeds	0.05-0.10mm	0.05-0.10mm
Range of inch threads	10-44tpi	10-44tpi
Range of metric threads	0.5-3mm	0.5-3mm
Top slide travel	50mm	50mm
Cross slide travel	75mm	75mm
Tailstock quill travel	40mm	40mm
Tailstock quill taper	MT2	MT2
Motor	600w	450w
Net weight	75kg	65kg



Feature:

- Two speed bands allow maximum torque in the lower speeds
  - Infinitely variable from 50-1,250 and 100-2,500 rpm
  - Double vee bedway-hardened and ground
  - Full steel change gears
  - Quick locking tailstock
- Standard accessories:
- 3 jaw chuck
  - change gears
  - centres

Optional accessories:

- 4 jaw chuck
- backplate
- faceplate
- follow rest
- steady rest
- stand

## 精密车床 Precision lathe machine

Model No.	D250x550 Vario
Distance between centres	550mm
Swing over bed	250mm
Width of bed	135mm
Spindle bore taper	MT4
Spindle bore	26mm
Range of spindle speed	50-2000 rpm/stepless
Range of longitudinal feeds	0.07-0.20mm/r
Range of cross feeds	-----
Range of inch threads	8-56tpi
Range of metric threads	0.4-3.5mm
Top slide travel	70mm
Cross slide travel	115mm
Tailstock quill travel	70mm
Tailstock quill taper	MT2
Motor power	1.1kw
Net weight	135kg
Packing size	1250x560x560



## 多功能车床 MULTI-PURPOSE MACHINE Lathe/Drill/Mill

Model No.	DBF550 Vario
Turning lathe	550mm
Distance between centres	250mm
Swing over bed	MT4
Spindle bore taper	26mm
Spindle bore	50-2000rpm
Range of spindle speeds	0.07-0.20mm/r
Range of longitudinal feeds	-
Range of cross feeds	8-56tpi
Range of inch threads	0.2-3.5mm
Range of metric threads	70mm
Top slide travel/Cross slide travel	115mm
Tailstock quill travel	60mm
Tailstock quill taper	MT2
Motor	1.1kw
Milling attachment	16mm
Max. drilling capacity	195mm
Height adjustment	MT2
Spindle taper/Spindle stroke	50mm
Range of spindle speeds	50-2250rpm
Head tilt left and right	±90°
Motor	500w



## 钻铣床 Drilling and milling machine

Model No.	BF 16 Vario	BF 16L Vario
Max. drilling capacity	16mm	16mm
Table size	400x120mm	500x140mm
Cross travel	160mm	140mm
Longitudinal travel	260mm	360mm
Vertical travel	200mm	200mm
Spindle taper	M12	M12
Spindle stroke	50mm	50mm
T-slot size	10mm	10mm
Range of spindle speeds	50-2250rpm	50-2250rpm
Head tilt left and right	±90°	±90°
Motor	500w	500w
Net weight	65kg	75kg

Feature:

- Dovetail column ensures positive head location
  - Tapered gibs with double locks
  - 2-step gear unit for optimal power transmission-Fine down feed
  - Mill head lifts to both sides (-90° to +90°)
- Standard accessories:
- drill chuck
  - drawbar
  - arborspeed readout
  - depth ruler
  - protective cover
- Optional accessories:
- stand and chip tray
  - clamping kits
  - mill chucks



Details





精密车床 Precision lathe machine

Model No.	D 280x650 G
Distance between centres	650mm
Swing over bed	280mm
Width of bed	160mm
Spindle bore taper	MT4
Spindle bore	26mm
Range of spindle speeds	70-2000 rpm(12)
Range of longitudinal feeds	0.036-0.364m/r(15)
Range of cross feeds	0.019-0.188m/r(15)
Range of inch threads	6-96tpi(13)
Range of metric threads	0.25-5.0mm(18)
Top slide travel	80mm
Cross slide travel	155mm
Tailstock quill travel	80mm
Tailstock quill taper	MT3
Motor power	0.75kw
Net weight	250kg
Packing size	1350x750x700mm



精密车床 Precision lathe machine

Model No.	D 300x750 Vario	D 300x900 Vario
Distance between centres	750mm	900mm
Swing over bed	300mm	320mm
Swing over cross slide	185mm	200mm
Width of bed	180mm	180mm
Spindle bore taper	MT5	MT5
Spindle bore	38mm	38mm
Spindle nose	D1-4	D1-4
Range of spindle speed	75-2000 rpm	75-2000 rpm
Range of longitudinal feeds	0.07-0.52mm/r	0.07-0.52mm/r
Range of cross feeds	0.017-0.25mm/r	0.017-0.25mm/r
Range of inch threads	8-56tpi	8-56tpi
Range of metric threads	0.2-3.5mm	0.2-3.5mm
Max. tool section	16x16mm	16x16mm
Top slide travel	80mm	80mm
Cross slide travel	165mm	165mm
Tailstock quill travel	80mm	80mm
Tailstock quill taper	MT3	MT3
Motor power	1.5kw	1.5kw
Net weight	280kg	300kg
Packing size	1450x750x700mm	600x750x700mm



精密车床 Precision lathe machine

Model No.	D 280x700 Vario
Distance between centres	700mm
Swing over bed	280mm
Swing over cross slide	160mm
Width of bed	180mm
Spindle bore taper	MT4
Spindle bore	26mm
Range of spindle speed	50-2000 rpm
Range of longitudinal feeds	0.07-0.4mm/r
Range of cross feeds	-
Range of inch threads	8-56tpi
Range of metric threads	0.2-3.5mm
Max. tool section	12x12mm
Top slide travel	80mm
Cross slide travel	160mm
Tailstock quill travel	85mm
Tailstock quill taper	MT2
Motor power	1.1kW
Net weight	240kg
Packing size	1400x750x680mm



精密车床 Precision lathe machine

Model No.	D 320x800 G Vario
Distance between centres	880mm
Swing over bed	320mm
Swing over cross slide	200mm
Width of bed	180mm
Spindle bore taper	MT5
Spindle bore	38mm
Spindle nose	D1-4
Range of spindle speed	75-435/400-2250rpm
Range of longitudinal feeds	0.07-0.52mm/r
Range of cross feeds	0.017-0.25mm/r
Range of inch threads	8-56tpi
Range of metric threads	0.2-3.5mm
Max. tool section	16x16mm
Top slide travel	80mm
Cross slide travel	165mm
Tailstock quill travel	80mm
Tailstock quill taper	MT3
Motor power	1.5kw
Net weight	350kg
Packing size	1600x750x700mm





**MR-B13/16/23/28 磁座钻**

**MAGNETIC DRILL MACHINE**

Magnetic drill machine is applicable to steel structure drilling, shipping building, paper making, bridge construction, mechanical equipment installation, steel construct engineering, subway construction, large equipment maintenance and all the pipeline engineering.

Model	13	16	23	28
Twist drill	13mm	16mm	23mm	28mm
Voltage	110/220v	110/220v	110/220v	110/220v
Frequency	50-60HZ	50-60HZ	50-60HZ	50-60HZ
Power	1150W	1380W	1400W	1680W
Max. attraction	11000N	11500N	16500N	18800N
No-load speed	800rpm	670rpm	470rpm	340rpm
Depth of drilling	30mm	30mm	40mm	50mm
Max. travel	120mm	120mm	180mm	200mm
Packing size	34.5x14.5x33.5cm	34.5x14.5x33.5cm	44.5x16.5x34.5cm	44.5x16.5x34.5cm
N.W./G.W	10/12kg	11/13kg	18/20kg	19.5/21.5kg



DRILLING & TAPPING

**MR-D13/16/23/28 多功能磁座钻**

**MAGNETIC DRILL MACHINE**

Magnetic drill machine is applicable to steel structure drilling, shipping building, paper making, bridge construction, mechanical equipment installation, steel construct engineering, subway construction, large equipment maintenance and all the pipeline engineering.

Model	13	16	23	28
Twist drill	13mm	16mm	23mm	28mm
Tapping diameter	M8	M10	M14	M24
Voltage	110/220v	110/220v	110/220v	110/220v
Frequency	50-60HZ	50-60HZ	50-60HZ	50-60HZ
Power	1150W	1380W	1400W	1680W
Max. attraction	11000N	11500N	16500N	18800N
No-load speed	800rpm	670rpm	470rpm	340rpm
Depth of drilling	30mm	30mm	40mm	50mm
Max. travel	120mm	120mm	180mm	200mm
Packing size	34.5x14.5x33.5cm	34.5x14.5x33.5cm	44.5x16.5x34.5cm	44.5x16.5x34.5cm
N.W./G.W	10/12kg	11/13kg	18/20kg	19.5/21.5kg



**MR-3500/5000 空心钻磁座钻**

**MAGNETIC DRILL MACHINE WITH WATER**

Magnetic drill machine is applicable to steel structure drilling, shipping building, paper making, bridge construction, mechanical equipment installation, steel construct engineering, subway construction, large equipment maintenance and all the pipeline engineering.

Model	3500	5000
Drill	35mm	50mm
Voltage	110/220v	110/220v
Frequency	50-60HZ	50-60HZ
Power	1500W	1850W
Max. attraction	14000N	15500N
No-load speed	800rpm	570rpm
Depth of drilling	30mm	40mm
Max. travel	120mm	190mm
Packing size	58x17x38cm	44.5x16.5x34.5cm
N.W./G.W	10.25/15kg	10.25/15kg

**MR-1300B 电火花机**

**ELECTRIC DISCHARGE MACHINES**

- Remove broken in workpiece diameter tap, drill, reamer, tools/tools such as screw, plug gauge;
- Can be working in any size, shape of workpieces
- Various angles, different shapes from surface of electrodes, processing multiple holes
- Processing no precision requirement hole. Especially suitable for difficult to processing large workpieces in edm machine

Model	1300B
Electrode chuck	0.8-10mm
Max. head travel	70mm
Voltage	220V/50Hz 1500W
Weight	19kg



**永磁起重器**

**PERMANENT LIFTER**



- Compact structure, light weight, easy to operate.
- Without electricity, magnetic permanent, use safety, can be in field operation.
- High safety coefficient, maximum pulled off force in 3-3.5 times, insurance device, to prevent wrong operation.
- Maintenance-free design, long service life.
- "V" groove design, can suck or circular workpiece.

Model	Rated capacity (kg)	size (mm)				Maximum pulled off (N)	Cylindrical work ends		Self weight (kg)	
PML-300	300	192	92	91	150	154	10500	≥60	≤100	9.6
PML-600	600	314	192	92	216	267	18000	≥70	≤100	18
PML-1000	1000	363	142	118	307	342	30000	≥90	≤300	37
PML-2000	2000	537	165	164	367	482	60000	≥120	≤600	120

**超强永磁吸盘**

**SUPER PERMANENT MAGNET SUCKER**



- Magnetic force produced by high energy materials, no time limit, no energy consumption, no heat, environmental safety, the operation is simple and practical.
- Stacking of strong attraction, magnetic, according to the workpiece contact area increases, can be used to power the milling and drilling.
- Super strong suction cup panel big rigidity, good stability, in use process dose not produce distortion, which can realize precision machining.

Model	size (mm)			Magnetic block (PCE)	Magnetic force block (kgf)	Total suction (kgf)
	A	B	H			
2025B	200	256	50	56	25	1400
2025A	253	252	90	90		2250
2040A	200	400	80	136		3400
3030A	300	300	90	132		3300
3040A	300	400	90	176		4400
3080A	300	600	90	275		6875
4050A	400	500	90	300	7500	

**真空吸盘**

**VACUUM**



**FEATUERS:**

- The company vacuum sucker USES is "localization" ten principles, without vacuum pump, simply to the supply air compressor can be adsorbed.
- Strong magnetic attraction power and automatic pressure maintaining, can maintain the holding function under power to snuff out.
- Start fast, ventilation can achieve working state 4 to 6 seconds.
- Wide application, flat workpiece without being limited by the material.
- Processed products size at the bottom of the plane size is not less than 60mm\*60mm.

Model	size (mm)	Groove size	weight (kg)
3030	300*300*45	16.2*16.2	10
3040	300*300*45	16.2*16.2	14
4040	400*400*45	16.2*16.2	18
4060	400*600*45	16.2*16.2	28

**BT30/BT40/BT50 动力头**

**POWER HEAD**

- High precision, high rigidity, good stability, beautiful appearance;
- The product can be configured with CNC, manual, hydraulic mode.

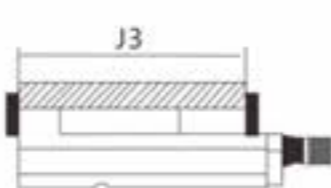
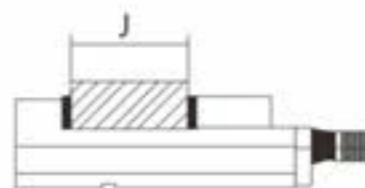
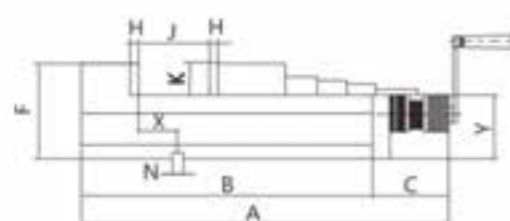


Model	BT30	BT40	BT50
Spindle taper	NT30/MT3	NT40/MT4	NT50/MT5
Bearing	32207/ 62073 2207/ 6207	32210/ 621032209/ 6209	7218AC/ DB6213x2
Speed	3000r/min	2500r/min	2000r/min
Dimension	44x20x17cm	51x22x19cm	63x28x25cm
Weight	28/24kg	42/37kg	99/93kg



MC 角固式/肯倍得式精密油压虎钳

MC COMPACT MECHANICAL/HYDRAULIC VISE



- Holding work-piece firmly in single and multiple vises Setup.
- Constructed for milling, drilling, machining center, grinding and many other machine shop applications.
- The jaws adopting the structure of semi-cycle with low oblique angle, which can eliminate the floating of jaws and incline of the tools.
- The body of clamp adopting anti-high tension ball graphite cast iron (FCD60-60kgs/mm) (80,000psi), high deflection/bending resistant.

Unit:mm

Model	A	B	C	D	F	H	J	J3	K	N	X	Y	Clamping force	Weight	Packing size
CHV-100A	475	340	135	101	133	15	0-125	125-320	48	18	45	85	36KN(3528kgf)	27kg	600x220x185
CHV-130A	540	405	135	131	150	15	0-180	180-380	55	18	65	95	46KN(4508kgf)	40kg	665x250x205
CHV-160A	630	495	135	161	163	15	0-240	240-470	58	18	65	105	56KN(5488kgf)	60kg	760x280x215
CHV-200A	750	570	135	201	173	15	0-280	280-540	63	18	62	115	71KN(6958kgf)	81kg	860x320x225

MC角固式/肯倍得式精密机械虎钳 MC Compact vise (Mechanical)



- It is suitable for precision machining of medium and light cutting. The vertical jaw is 0.01mm and the periphery of the jaw is 0.01mm vertical. The workpiece can be placed and clamped arbitrarily.
- Strong and powerful material, the vise body is made of high-tensile-strength spherical graphitized cast iron, which has strong tensile strength and is not easy to deform.
- The sliding surface is hardened and heat-treated over HRC45° to maintain long-term wear resistance and precision



UNIT: mm

Model	A	B	C	D	E	F	G	H	I	J	J3	K	N	X	Y	Clamping force	Weight	Packing size
JX-100A	430	340	90	101	130	133	65	15	105	0-125	125-320	48	18	45	85	36KN(3528KGF)	26KG	590*175*185
JX-130A	495	405	90	131	147	150	70	15	115	0-180	180-380	55	18	65	95	46KN(4508KGF)	39KG	665*190*205
JX-160A	585	495	90	161	160	163	85	15	130	0-240	240-470	58	18	65	105	56KN(5488KGF)	59KG	760*19*215
JX-200A	666	570	96	201	170	173	90	16	150	0-280	280-540	63	18	62	115	71KN(6958KGF)	80KG	820*230*220

精密组合平口钳 PRECISION MODULAR VISES



- Made of high-quality alloy steel.
- Parallelism 0.005mm/100mm, squareness 0.005mm. The hardness of working surface is HRC58-62 and precision ground to a mirror finish.
- It have interchangeable base, fixed/movable jawsit is quickly to clamp and easy to operate.
- It is widely used on machining center and other precision machine tools.



Model	B (mm)	H (mm)	Smax (mm)	L (mm)	Clamping force (kg)
GT100-I	100	30	100	270	3000
GT125-I	125	40	125	345	3000
GT150A-I	150	50	200	420	5000
GT150B-I	150	50	300	520	5000
GT175A-I	175	60	200	455	6000
GT175B-I	175	60	300	555	6000

QGG高度精密工具平口钳

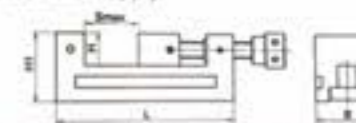
QGG HIGH-PRECISION TOOL CLAMPS



QKG TYPE

QM TYPE

- Scope of application: machining center, CNC machine tools, surface grinders, milling machines.
- Features: Forged with high quality materials, with high rigidity and wear resistance.
- It is simple and convenient to apply.



SPEC	QGG50	QGG60	QGG63	QGG73	QGG80	QGG88	QGG100	QGG125	QGG125A	QGG150
wide	50	60	63	73	80	88	100	125	125	150
Depth	25	25	32	35	40	40	45	50	50	50
Length	65	55	85	100	100	125	125	160	210	175
Total Length	155	110	190	210	220	250	260	300	350	315

自定心平口钳 SELF-CENTERING VISE



- Designed for the five axis and CNC machining center, multi-function flat tongs with various holding modes.
- Modular pincers have a fixed height that can be used for vertical, horizontal or side processing

UNIT: mm

Order No.	钳口宽 Jaw width	A	B	E	F	G	H	I	重量 Wt.kg
QSC-80	59	85	60	-	120	143	60	-	4.0
QSC-100	100	120	80	18	245	278	102	8	15

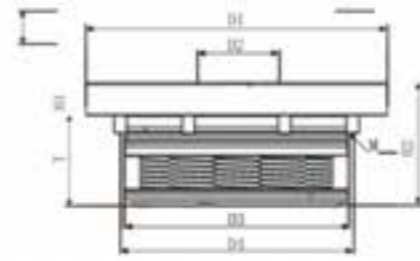


零点定位 Zero position



Installation type with built-in angle orientation

- Air pressure unlock
- Air pressure automatically removing the chip
- Unlocking pressure: Q5 min. 6bar to max. 12bar; Q10 min. 5.5bar to max. 12bar; Q20 min. 4.5bar to max. 12bar
- Material: Hardened Stainless Steel
- Surface and piston hardening treatment
- Repeated positioning accuracy < 0.005mm

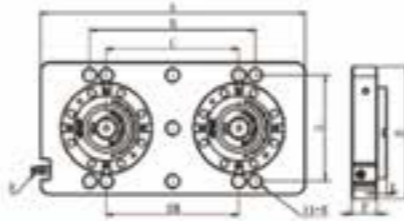


Model	Unlocking mode	Clamping force (KN)	Tension (KN)	Blowing dust	D1	D2	D3	D4	H1	H2	M	T	Weight (kg)
LQNC-5	Air pressure	5	13	✓	78	18	58	65	8.5	30	8×M4	21.5	0.5
LQNC-10	Air pressure	10	25	✓	112	22	78	88	10	35	6×M6	25	1.4
LQNC-20	Air pressure	17	55	✓	138	32	102	115	15	49	8×M6	34	2.6

零点定位 (两工位) Zero position(Two-station)



- Air pressure/hydraulic unlocking;
- Air pressure automatically removing the chip;
- Material: Die steel (#);
- Surface and piston hardening treatment;
- Repeated positioning accuracy < 0.005mm;



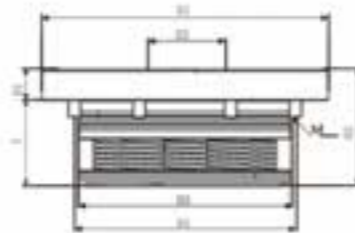
Model	Unlocking mode	Clamping force (KN)	Tension (KN)	Blowing dust	A	B	C	D	∅E	F	G	L	SM	R	Weight (kg)
Q2GWB-5	Air pressure	2x5	2x15	✓	198	150	100	98	11.5	25	85	8.5	100	G1/8	3.8
Q2GWB-10	Air pressure	2x10	2x25	✓	366	250	200	166	20	26	138	10	200	G1/8	12.6
Q2GWB-20	Air pressure	2x17	2x55	✓	398	250	200	198	20	38	164	15	200	G1/4	22.7

零点定位(四工位) Zero position(Four-station)



four-station foundation plate

- Air pressure unlock
- Air pressure automatically removing the chip
- Unlocking pressure: Q5 min. 6bar to max. 12bar; Q10 min. 5.5bar to max. 12bar; Q20 min. 4.5bar to max. 12bar
- Material: Hardened Stainless Steel
- Surface and piston hardening treatment
- Repeated positioning accuracy < 0.005mm



Model	UNLOCK MODE	KN	KN	BLOWING	D1	D2	D3	D4	H1	H2	M	T	Weight (kg)
LQNC-5	Air Pressure	5	13	✓	78	18	58	65	8.5	30	8×M4	21.5	0.5
LQNC-10	Air Pressure	10	25	✓	112	22	78	88	10	35	6×M6	25	1.4
LQNC-20	Air Pressure	17	55	✓	138	32	102	115	15	49	8×M6	34	2.6

Used area:



筒夹/拉钉/丝锥刀柄 Collet/Pull Studs/Tap Adapters

ISO high precision top chuck ISO 国际高精度丝锥夹头	Collet for die top 副板牙套	R8 collet R8筒夹	5C collet 5C筒夹	ER stretch collet ER弹性夹具
Self-tighten Chuck System Heavy Duty 自紧式钻夹头 重型	Taper Collets 锥度夹头	Pull studs 高精度数控拉钉	Pull studs 高精度数控拉钉	Pull Stud with Water Hole 出水拉钉
HSK series WF types HSK系列WF类	BT series GT types BT系列GT类	BT series VER types BT系列VER类	BT series ERG types BT系列ERG类	Straight shank series GT types 直柄系列GT类
Morse series GT types 莫氏系列GT类	NT series WF types NT系列WF类	Morse series WF types 莫氏系列WF类	BT series WF type BT系列WF类	SK series WF types SK系列WF类
Three-jaw Self-centring Chucks K11-三爪自定心卡盘	Four-jaw Self-centring Chucks K12-四爪自定心卡盘	Precision Heavy Duty Live Center 重型精密跟刀块	Precision Heavy Duty Live Center 重型精密跟刀块	Precision High Live Center (extended) 加长型精密跟刀块

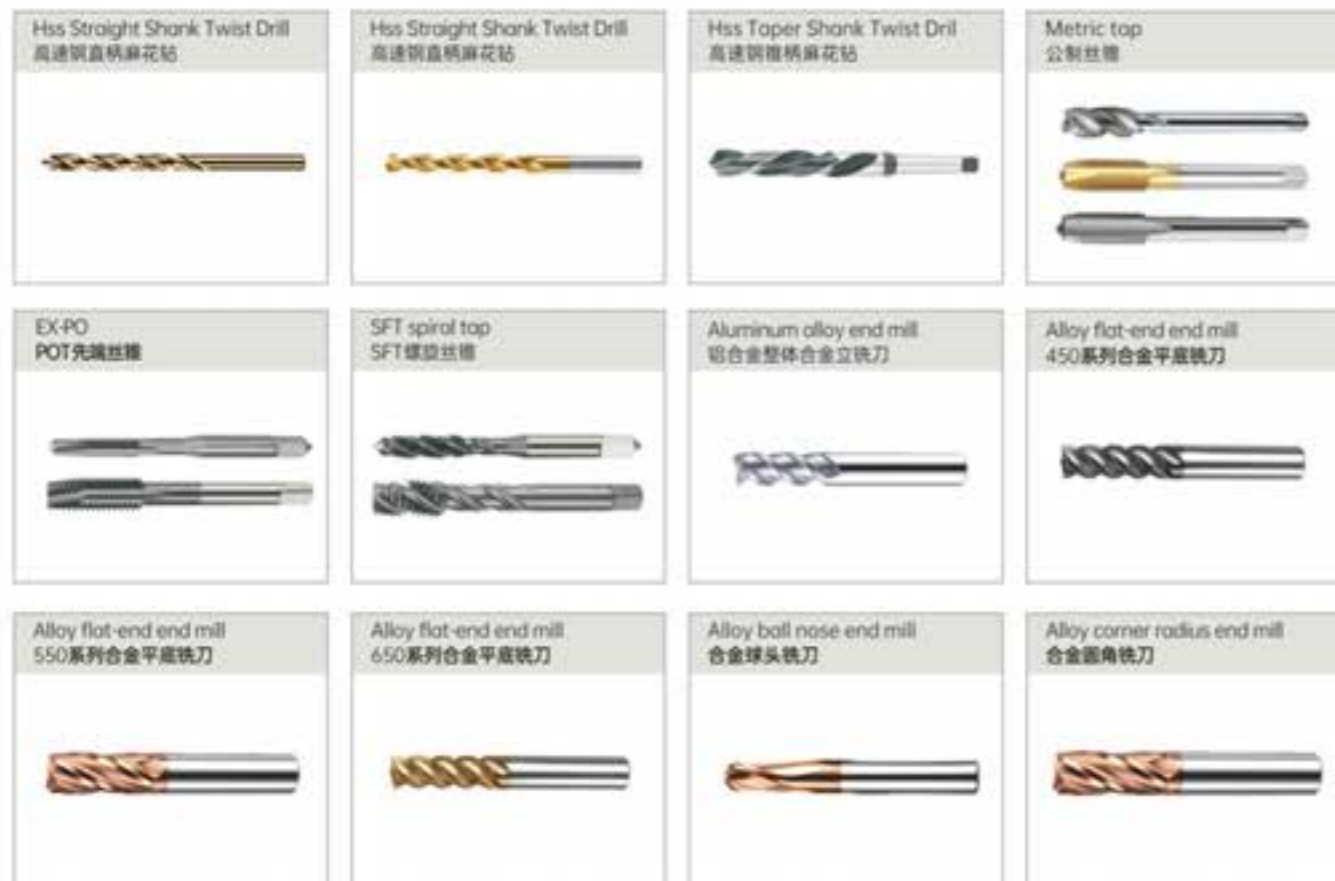
• For further information please ask for our complete catalog.



U钻/皇冠钻系列 U drill / crown drill series



钻头/丝锥/铣刀系列 Drill/tap bits/end mill serials

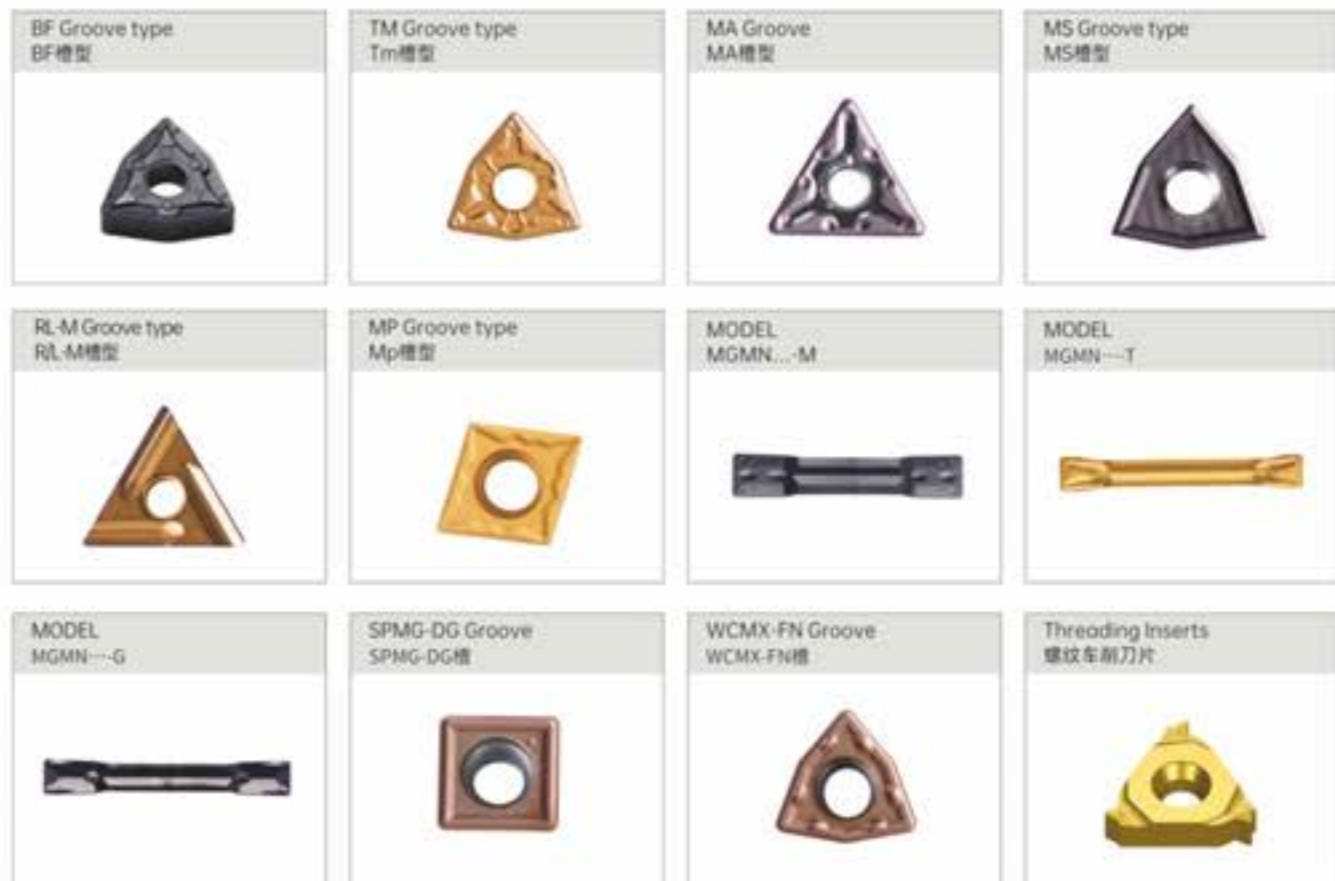


For further information please ask for our complete catalog.

铣刀盘/铣刀杆系列 End mill head/end mill shank serials



数控刀片系列 CNC Insert serials



For further information please ask for our complete catalog.



精密数控车床 CNC Lathe



Item		MR-T30			
Working Capacity	Swing over bed	260mm	Accuracy	X-axis positioning accuracy	0.008mm
	Swing over carriage	140mm		Z-axis positioning accuracy	0.01mm
	Max. machining length	360mm		Spindle runout	0.004mm
	Bar capacity (hole through spindle)	40mm		Power Supply	Voltage
X-axis travel	320mm	Frequency	50HZ		
Spindle	Z-axis travel	400mm	Weight & Dimensions	Machine weight (approx.)	1.2T
	Spindle type	A2-5		Machine dimensions (LxWxH)	1700x1180x1550mm
Main Motor	Spindle bore	48mm	Cooling	Coolant pump power	90W
	Spindle speed range	0-3000r/min		Tailstock	Tailstock quill travel
Feed Rate	Main motor power	3KW	Tool Post Type		Tailstock quill taper
	X-axis rapid traverse	15m/min		Tooling	Linear tool post / Power turret
Guideway Type	Z-axis rapid traverse	12m/min	Chuck		Tool shank size
	X-axis linear guide	GHH30		Standard	Manual Chuck
	Z-axis linear guide	GHH30	Optional	Hydraulic Chuck	
			Optional	Pneumatic Collet Chuck	

小型精密数控铣床 Compact CNC Precision Milling Machine



Item		unit	MR-XH320
Working Capacity	Worktable Area	mm	160x230
	T-Slot (Qty x Spacing)	mm	M6-4x35
	Max. Worktable Load	kg	20
Travel	X-Axis Max. Travel	mm	240
	Y-Axis Max. Travel	mm	155
	Z-Axis Max. Travel	mm	170
Moving speed	X-Axis Rapid Traverse	m/min	8
	Y-Axis Rapid Traverse	m/min	8
	Z-Axis Rapid Traverse	m/min	8
Spindle	Speed	rpm	24000
	Collet Size	/	ER11
	Spindle Motor	W	800
Tool Post Type	Standard	/	Er11 Manual Tool Change
	Optional	/	Linear Tool Magazine
	Optional	/	8/10/12-Position Hat-Type Tool Magazine
Cooling	Water Tank	L	45
	Water Pump	KW	0.12
System	Standard	/	Yuantu
	Optional	/	Other brand
Weight & Dimensions	Length x Height x Width	mm	700x692x770
	Weight	Kg	≈ 100