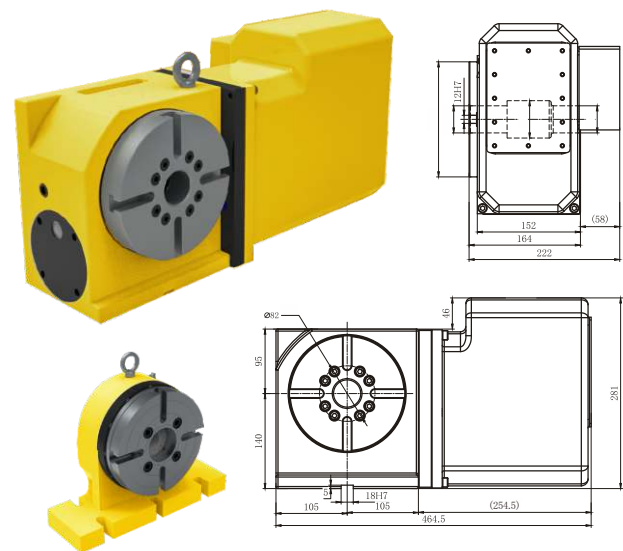
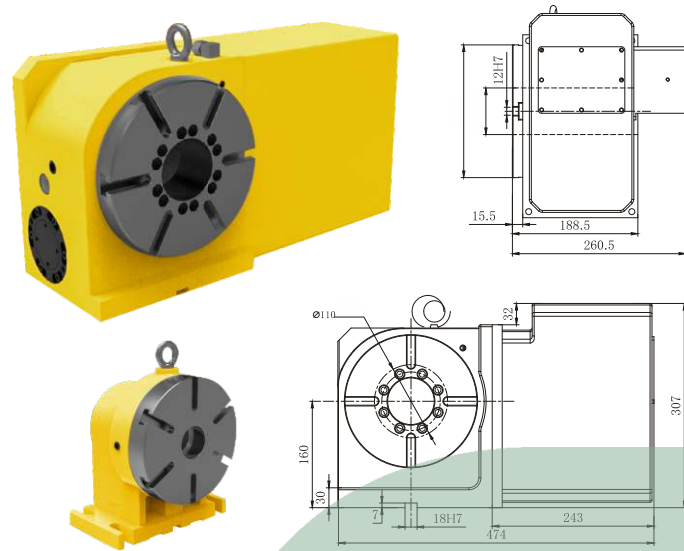


ZT-170 CNC ROTARY TABLE



ZT-200 CNC ROTARY TABLE



Model	ZT170	ZT200	ZT250	ZT320	ZT400	ZT400BZ	ZT500T	ZT630T
Rotating table diameter(mm)	Φ 170	Φ 200	Φ 250	Φ 320	Φ 400	Φ 400	500 × 500	630 × 630
Center hole diameter(mm)	Φ40H7	Φ 70H7	Φ 75H7	Φ 80H7	Φ 120H7	120H7	70H7	70H7
Workbench height(mm)	164	188.5	216	231	250	443	320	355
Center height(mm)	140	155	183	253	255	255		
	horizontal position	horizontal position	horizontal position	horizontal position	horizontal position			
Through aperture(mm)	Φ 40H7	Φ 70H7	Φ 75H7	Φ 80H7	Φ 120H7	120	Φ 630	Φ 810.96
Width of T-shaped groove on workbench(mm)	12H7	12H7	12H7	12H7	14H7	14H7	14H7	18H7
Workbench positioning key width(mm)	18H7	18H7	18H7	18H7	25H7	18H7	18H7	
servo motor	FANUC β 8 Mitsubishi HF204	FANUC β 8 Mitsubishi HF204	FANUC B12 Mitsubishi HF204	FANUC B22 Mitsubishi HF204	FANUC B22 Mitsubishi HF204	FANUC B22 Mitsubishi HF204	FANUC β 22 Mitsubishi HF204	FANUC β 22 Mitsubishi HF204
Reduction ratio	1:40	1:40	1:60	1:90	1:120	1:120	1:120	1:120
Maximum disk speed(rpm)	75	75	50	35	25	25	25	25
Minimum setting unit(degree)	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Locking method	Air	oil pressure	oil pressure	oil pressure	oil pressure	oil pressure	oil pressure	oil pressure
Locking oil pressure	3	3	3	3	3	3	3	3
Graduation accuracy(sec)	± 10	± 10	± 10	± 10	± 10	± 10	± 10	± 10
Repetitive accuracy(sec)	4	4	4	4	4	4	4	4
Vertical installation(kg)	100	120	220	260	285	285		
Horizontal installation(kg)	200	260	500	550	630		640	800

MRCM 美日®

Zhejiang Meiri Intelligent Machinery Co., Ltd.

Add:NO.52-16 North Jintang Road,Eastern New District,Wenling, Zhejiang, China

Tel: +86-576-80687885 86073980

M.T: +8618969631293 +8613375869766

Fax: +86-576-86576008

Web:www.zjmrcm.com

E-mail:zjmrjx@zjmrjx.com mrcm@zjmrjx.com



Company Web.



YOUTUBE



MRCM 美日®
MEIRI CHINA MACHINE

CNC tool grinder/Tool sharpener/Cutter grinder/Chamfer/Tapping machine/
Vise /Zero position/Cutting tools



精密 简易 高效
PRECISION · SIMPLE · EFFICIENT
www.zjmrcm.com



WWW.CORDEFER.PT



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, 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!

Enterprise Glory



ISO 14001 ISO 9001 OHSAS 18001 CE CERTIFICATE 100 NATIONAL PATENTS



Factory building



Showroom

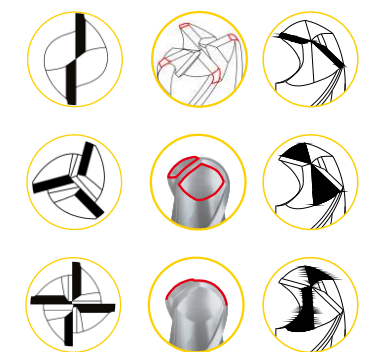


Warehouse



Assembly workshop

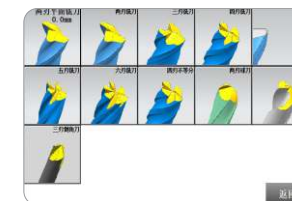
MR-AE30 数控铣刀研磨机 CNC MILLING CUTTER SHARPENER



MR-AE30 Oil



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.
- AE30 is equipped with a protective cover, which can effectively prevent dust from escaping and polluting the environment, ensuring safe operation.

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	8mmill 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	Vaccum cleaner
Packing	83*82*87cm	Optional function	Corner radius end mill, ball nose end mill, DG drill
G.W.	168KG		



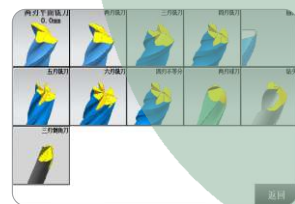


MR-AE20 数控铣刀研磨机

CNC MILLING CUTTER SHARPENER



Motor with protective cover



Easy-to-use interface



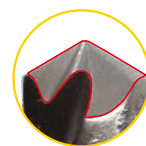
Automated tool alignment and grinding

- 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	8mmill 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	Optional parts	Vaccum cleaner
Grinding wheel	125*10*32MM	Optional function	Corner radius end mill, ball nose end mill , DG drill
Weight	106KG		

MR-13G 钻头研磨机

DRILL BIT SHARPENER



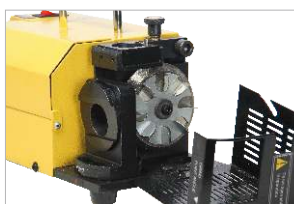
13G/G3



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



13D/26D



MR-26D

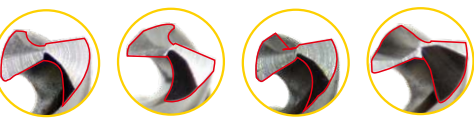
- Patent 13D/26D can sharpen the drill's point splitting, point angle, and lip relief angle, you also can control the centre spot at random instead of center drill, escape of chips easily.

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
Dimesion	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).

MR-20G 钻头研磨机

DRILL BIT SHARPENER



MR-13B

- 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.

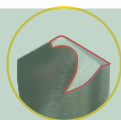
Model	13B	20G
Grinding Range	Φ3-Φ13(Φ15)	Φ3-Φ20
Point angle	95°-135°	95°-135°
Power	220V/120W 50Hz	220V/120W/50Hz
Speed	4400RPM	4400RPM
Dimesion	32×18×19cm	33×18×20cm
Weight	9kg	10kg

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

MEIRI CHINA MACHINE

MR-13A 钻头研磨机

DRILL BIT SHARPENER



MR-26A

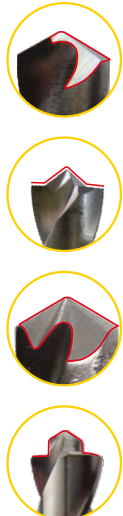
- It can sharpen the drill's point angle and lip relief angle, easy to operate.
- Economical machine that greatly reduces the cost and improves the use effect.
- The electrically controlled and powerful DC motor: stable frequency, strong horsepower and long service life.

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
Dimesion	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-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 fact 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
Dimesion	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-13L



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).

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	Z20
Grinding Range	Φ3-Φ20
Point angle	100°(95°)-135°
Power	220V/160W 50/60Hz
Speed	4400rpm
Dimension	32×18×20cm
Weight	17.27kg

Standard equipment: Z20# eighteen collets, one CBN wheel.
Standard grinding range: Z20# (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	35×22.5×23.5cm
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	35×22.5×23.5cm
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 drill's 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	32×18×19cm
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	30×14.5×18cm
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	32×18×19cm
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	30×14.5×18cm
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	32×22.5×23.5cm
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
Dimesnion	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
Dimesnion	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).

MEIRI CHINA MACHINE



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-13W

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).

MEIRI CHINA MACHINE

HOT



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	36×27×30.5cm	40×30×31cm
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	31×19×20cm
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	48×30×33cm
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	36×29.5×28cm	
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



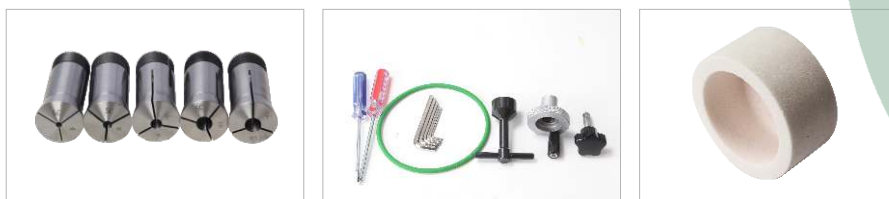
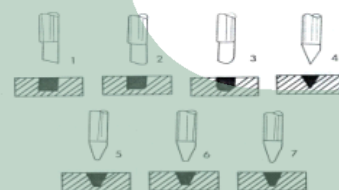
Lathe tool



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.

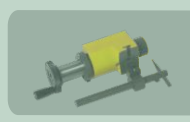
Model		U5	
Max. Grinding dia.	Φ25mm	Motor	220V/380V
Taper angle	0°-180°	Net weight	45kgs
Relief angle	0°-44°	G.W.	57kgs
Negative angle	0°-52°	Dimension	0°-52°
Grinding speed	5200RPM	Grinding speed	49*39*39cm (carton)
Cup grinding wheel	100x50x20mm		53*37*42cm (plywood)

MR-U3 万能磨刀机

UNIVERSAL CUTTER SHARPENER



Lathe tool



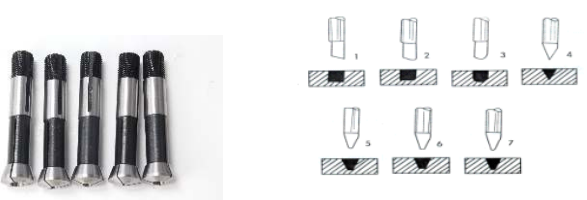
End mill



Drill bit

- 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



MR-U2 万能磨刀机

UNIVERSAL CUTTER SHARPENER



Lathe tool



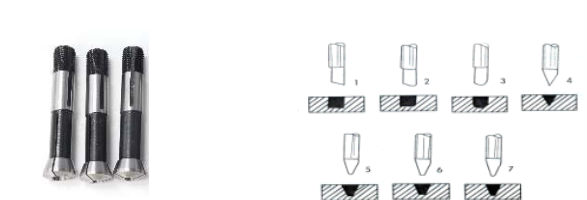
End mill



Drill bit

- 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





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



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-6025 MR-6025Q MR-6025W



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



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 roiling 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	44×34×44cm
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 candetect the length,angle and arbitrary arc radius of(R0.5-R2.4). It is specially developed for the grinding of PCD inserts, alloyinserts, CBN inserts, etc.

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



MR-QZ5

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	35×23×27cm	
Lifting stroke	105mm	
Dimension	455×455×520mm	44×34×44cm
Weight	50kg	78kg

内外径研磨机
INSIDE AND OUTSIDE DIAMETER SHARPENER

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

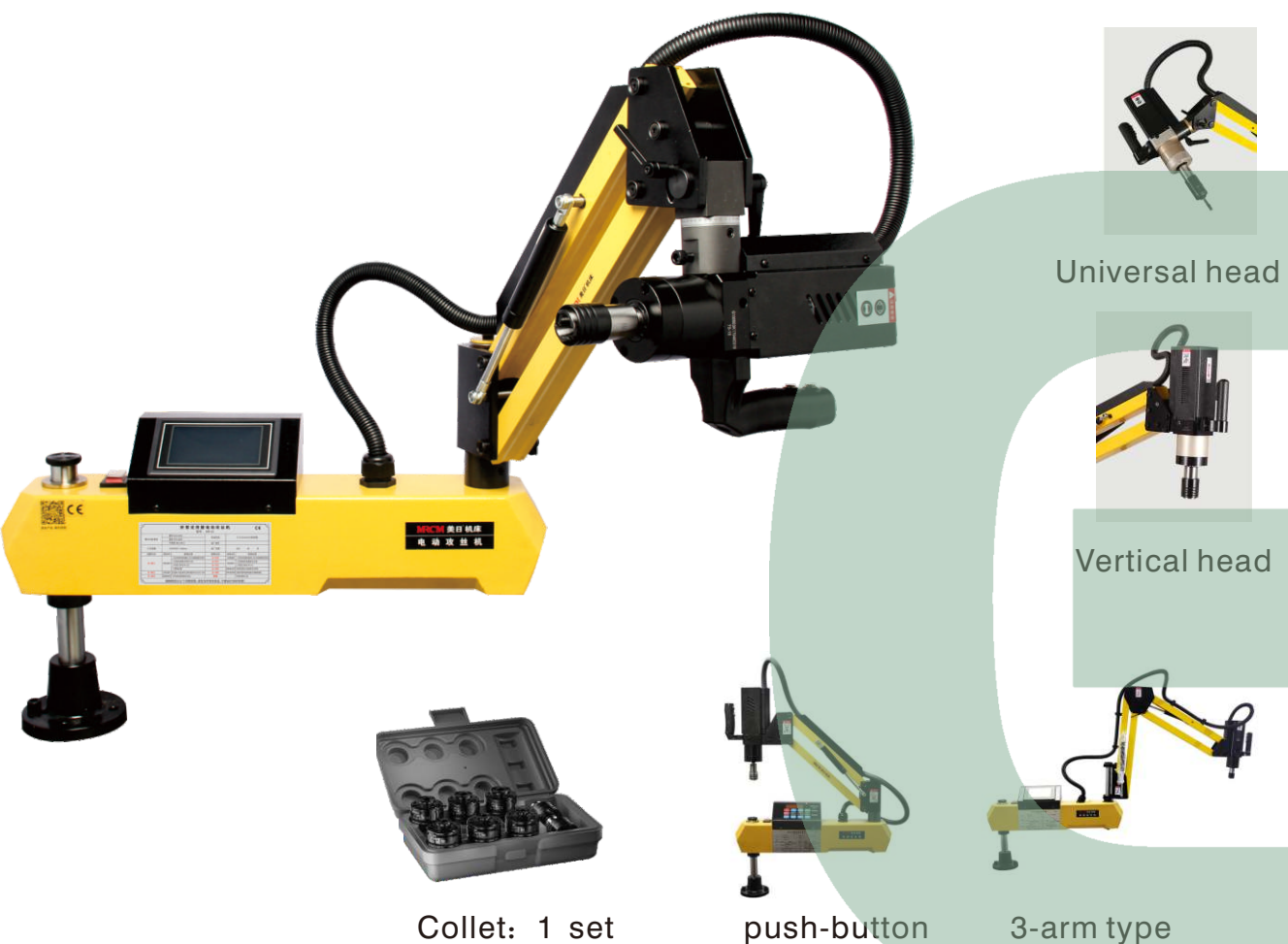
Model	
Maximum front and rear stroke	40mm
Outside diameter machining stroke	Φ0.3-25
Left and right stroke	70mm
Machine size	600×560×1520cm
Clampable diameter	Φ1-25
Weight	380KG





MR-DS16 电动攻丝机

ELECTRIC TAPPING MACHINE(TOUCH-SCREEN)



- 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



- 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.



Air blowing & mist spray

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



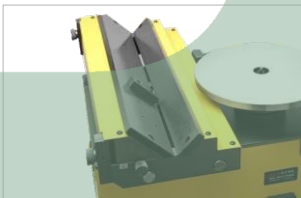
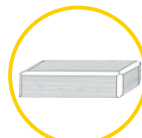
Drawer

工作台 WORK TABLE

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

Model	Size (L)宽(W)高(H)		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.

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

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 buildup.
- 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



Chamfer straight line 15°-45°



Pipe Beveling Machine



MR-R500



R700

R700B



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.

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

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 great 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	1100x630x1520	1100x630x1520

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

- The marking and rotating table share a set of software, isone of the best marking software in China. It is very easy toedit any text pattern, and users with a certain computerfoundation 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 冷风
Modulation frequency HZ	0-80	Marking range 110mm* 110mm
Minimum character	0.5mm	





D210×400 Vario(CNC)



- The machine tool is crafted from high-quality cast iron, enhancing its operational stability.
- Digital control and manual control can be freely switched between. Switching to CNC mode offers high efficiency and stable precision.
- Switching to manual mode is more suitable for single-piece production.
- Using a servo control unit to ensure dimensional stability.
- Utilizing bearing preload to eliminate axial play in the lead screw enhances dimensional stability.
- Using a rotary encoder to collect spindle speed enables thread machining.
- The spindle motor adopts stepless speed regulation, which can be adjusted to any rotational speed to meet any working condition.



D210×400 Vario

Model No.	D210×400 Vario(CNC)
Power	230V/50HZ/1PH
Rotating dia on the bed	210mm
Rotating dia of the cross slide	130
Maxi travel in the X direction	105mm
Maxi X processing diameter	180mm
Maxi travel in the Z direction	400mm
Maxi processing length in the Z direction	350mm
Maxi distance between the spindle and the tailstock	400
Maxi spindle speed	50-2500r/min
Collet size	100mm
Spindle through hole	20mm
Spindle taper hole	MK3
Tailstock sleeve travel	65mm
Dimension	900x470x435mm
weight	52kg

Model No.	D210×400 Vario
Distance between centres	400mm
Swing over bed	210mm
Spindle bore taper	MT3
Spindle bore	21mm
Range of spindle speeds	50-2500 rpm
Range of longitudinal feeds	0.05-0.10mm
Range of inch threads	10-44tpi
Range of metric threads	0.5-3mm
Top slide travel	50mm
Cross slide travel	75mm
Tailstock quill travel	40mm
Tailstock quill taper	MT2
Motor	600w
Net weight	75kg

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

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

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

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



MR-Q12



welding tip

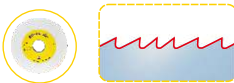


TapeA



TapeB

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



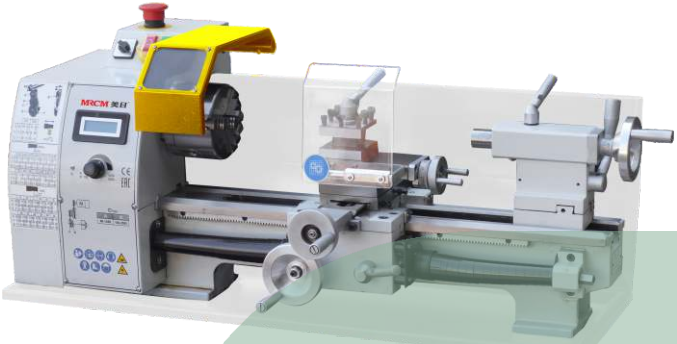
Φ150×Φ32×(10T)mm





D180x300 Vario

Model No.	D180×300 Vario
Distance between centres	300mm
Swing over bed	180mm
Spindle bore taper	MT3
Spindle bore	21mm
Range of spindle speeds	50-2500rpm
Range of longitudinal feeds	0.05-0.10mm
Range of inch threads	10-44tpi
Range of metric threads	0.5-3mm
Top slide travel	50mm
Cross slide travel	75mm
Tailstock quill travel	40mm
Tailstock quill taper	MT2
Motor	450w
Net weight	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

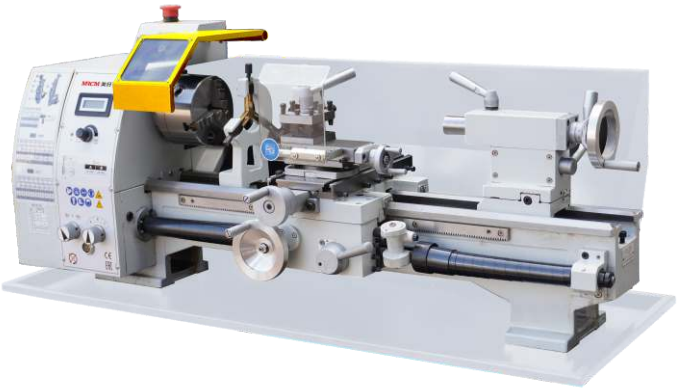
DBF550 Vario

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 travelCross 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 taperSpindle stroke	50mm
Range of spindle speeds	50-2250rpm
Head tilt left and right	±90°
Motor	500w



D250×550 Vario

Model No.	D250×550 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



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	Mt2	Mt2
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 tilts 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





D280×650 G

Model No.	D 280×650 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



D300×750 Vario

Model No.	D 300x750 Vario	D 300x900 Vario
Distance between centers	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



D280×700 Vario

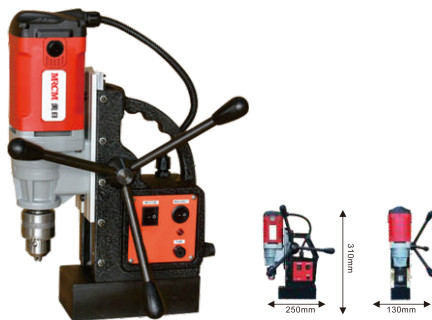
Model No.	D 280×700 Vario
Distance between centers	700mm
Swing over bed	280mm
Swing over cross slide	160mm
Width of bed	180mm
Spindle bore taper	MT4
Spindle bore	26mm
Range of spindle speed	50-2000 rpm
Range of longitudinal feeds	0.07-0.4mm/r
Range of cross feeds	-
Range of inch threads	8-56tpi
Range of metric threads	0.2-3.5mm
Max. tool section	12x12mm
Top slide travel	60mm
Cross slide travel	160mm
Tailstock quill travel	85mm
Tailstock quill taper	MT2
Motor power	1.1kW
Net weight	240kg
Packing size	1400x750x680mm



D320×880 Vario

Model No.	D 320×800 G Vario
Distance between centers	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

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	1650W
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 hole5.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

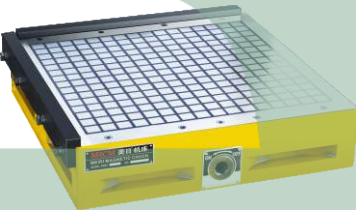


- Compact structure,light weight,easy to operate.
- Without electricity,magnetic permanent,use safety,can be in field operation.
- Hight safety coefficient,maximum pulled off force in3-3.5 times,insurance device,to prevent wrong operation.
- Maintenance-free design,long service life.
- "V" groove design,can suck or circular workpiece.

Model	Rated capacity (kg)	size(mm)						Maximum pulled off (N)	Cylindrical work limits		Self-weight (kg)
		L	B	H	R	Le			Diameter(mm)	weight	
PML-300	300	192	92	91	150	154		10500	≥60	≤100	9.6
PML-600	600	314	102	92	216	267		18000	≥70	≤00	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 percision 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
3060A	300	600	90	275		6875
4050A	400	500	90	300		7500

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

真空吸盘

VACUUM



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.

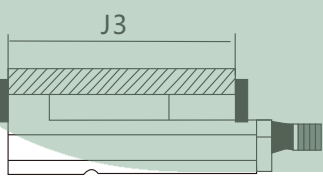
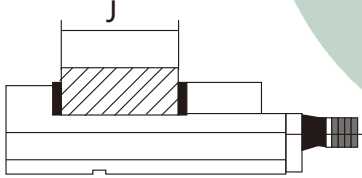
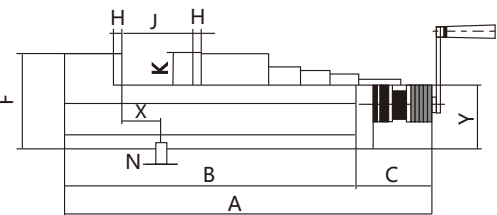
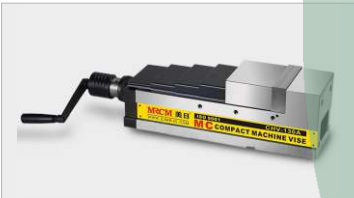
Model	BT30	BT40	BT50
Spindle taper	NT30/MT3	NT40/MT4	NT50/MT5
Bearing	32207/62073 2207/6207	32210/621032209/6209	7216AC/DB6213×2
Speed	3000r/min	2500r/min	2000r/min
Dimension	44×20×17cm	51×22×19cm	63×28×25cm
Weight	28/24kg	42/37kg	99/93kg





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.

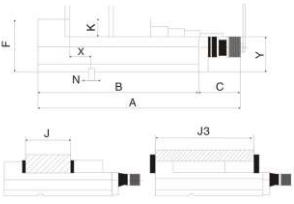
Unit:mm

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	82	115	71KN(6958kgf)	81kg	860x320x225

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



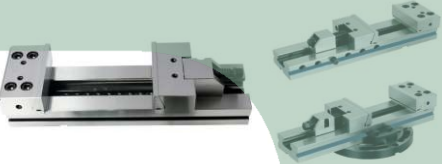
- It is suitable for precision machining of medium and light cutting. The vertical jaw is 0.01mm and the periphery of the jaw is 0.01mm vertical. The workpiece can be placed and clamped arbitrarily.
- Strong and powerful material, the vise body is made of high-tensile-strength spherical graphitized cast 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



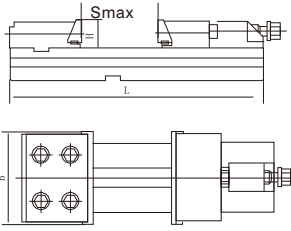
UNIT: mm

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	33	65	15	105	0-125	125-320	48	16	45	85	36KN(3528KGF)	26KG	590*175*185
JX-130A	495	405	90	131	147	50	70	15	115	0-180	180-380	55	18	65	95	46KN(4508KGF)	39KG	665*190*205
JX-160A	585	495	90	161	160	63	85	15	130	0-240	240-470	58	18	65	105	56KN(5488KGF)	59KG	760*19*215
JX-200A	666	570	96	201	170	73	90	18	150	0-280	280-540	63	18	82	115	71KN(6958KGF)	80KG	820*230*220

精密组合平口钳 PRECISION MODULAR VISES

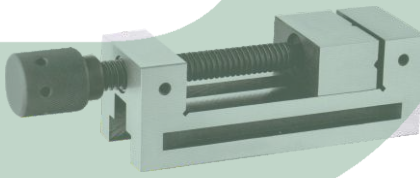


- Made of high-quality alloy steel.
- Parallelism 0.005mm/100mm, squareness 0.005mm. The hardness of working surface is HRC58-62 and precision ground to a mirror finish.
- It have interchangeable base, fixed/movable jaws it is quickly to clamp and easy to operate.
- It is widely used on machining center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

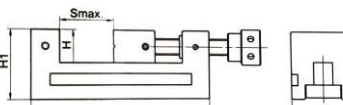
QGG高度精密工具平口钳 QGG HIGH-PRECISION TOOL CLAMPS



- 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.

QKG TYPE

QM TYPE



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

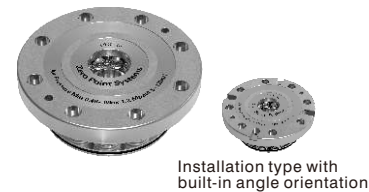
UNIT: mm

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

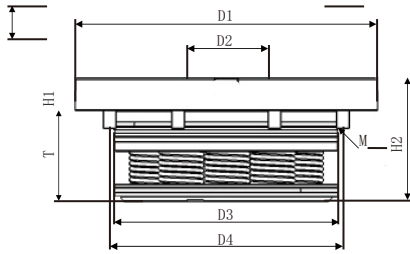




零点定位 Zero position



- 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

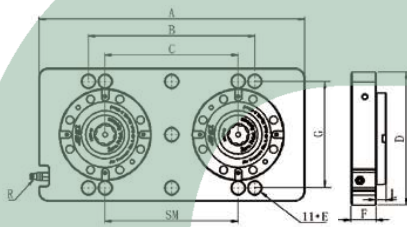


Model	Unlocking mode	Clamping force (KN)	Tension (KN)	Blowing dust	D1	D2	D3	D4	H1	H2	M	T	Weight (kg)
LQNC-5	Air pressure	5	13	✓	78	18	58	65	8.5	30	8×M4	21.5	0.5
LQNC-10	Air pressure	10	25	✓	112	22	78	88	10	35	6×M6	25	1.4
LQNC-20	Air pressure	17	55	✓	138	32	102	115	15	49	8×M6	34	2.6

零点定位 (两工位) Zero position(Two-station)

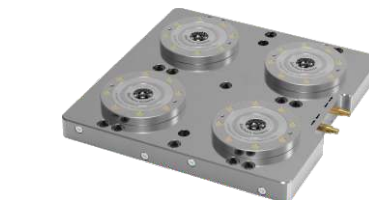


- Air pressure/hydraulic unlocking;
- Air pressure automatically removing the chip;
- Material: Die steel (#);
- Surface and piston hardening treatment;
- Repeated positioning accuracy < 0.005mm;

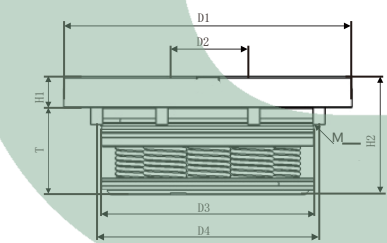


Model	Unlocking mode	Clamping force (KN)	Tension (KN)	Blowing dust	A	B	C	D	ΦE	F	G	L	SM	R	Weight (kg)
Q2GWB-5	Air pressure	2x5	2x15	✓	198	150	100	98	11.5	25	85	8.5	100	G1/8	3.8
Q2GWB-10	Air pressure	2x10	2x25	✓	366	250	200	166	20	28	138	10	200	G1/8	12.6
Q2GWB-20	Air pressure	2x17	2x55	✓	398	250	200	198	20	38	164	15	200	G1/4	22.7

零点定位(四工位) Zero position(Four-station)

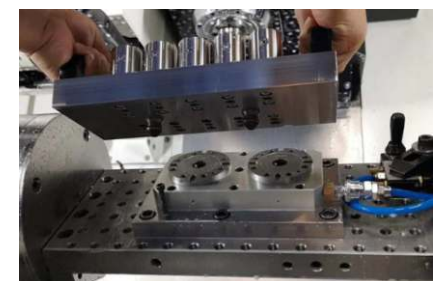


- Air pressure unlock
- Air pressure automatically removing the chip
- Unlocking pressure:
 - Q5 min. 6bar to max. 12bar;
 - Q10 min. 5.5bar to max. 12bar;
 - Q20 min. 4.5bar to max. 12bar
- Material: Hardened Stainless Steel
- Surface and piston hardening treatment
- Repeated positioning accuracy <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



铣刀片 Milling insert

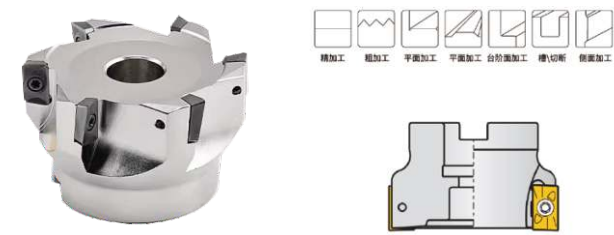
刀片外形 Insert shape	型号 Model NO.	尺寸 Dimension		
		D1	S1	d
	RPMT08T2M0E-JS	8	2.78	2.94
	RPMT10T3M0E-JS	10	3.97	4.4
	RPMT1204M0E-JS	12	4.76	4.4
	RPMT1606M0E-JS	16	6.35	5.5
	RPMT08T2M0-TT	8	2.78	2.94
	RPMW1003M0-TT	10	3.18	4.4
	RPMW1204M0-TT	12	4.76	4.4
	RPMT1003M0-TT	10	3.18	4.4
	RPMT10T3M0-TT	10	3.97	4.4
	RPMT1204M0-TT	12	4.76	4.4
	RPMT1606M0-TT	16	6.35	5.5
	RPMT1204M0-TT	12	4.76	4.4
	RDMT1204M0-MQ	12	4.76	4.4
	RDMT1204M0-MQ	12	4.76	4.4
	RDMT1204M0-MQ	12	4.76	4.4

刀片外形 Insert shape	型号 Model NO.	尺寸 Dimension					
		d	I.C	L	W	S	r
	APMT1135PDER-H2	2.8	6.2	11	6.35	3.5	0.8
	APMT1604PDER-H2	4.4	9.25	17.5	9.525	4.76	0.8
	APMT1135PDER-M2	2.8	6.2	11	6.35	3.5	0.8
	APMT1604PDER-M2	4.4	9.25	17.5	9.525	4.76	0.8
	APMT1604PEER-XM	4.4	9.27	16.5	9.525	5.25	0.8
	APMT1605PEER-XM	4.4	9.33	16.5	9.525	5.25	0.8
	APKT160420PDER-GW	4.3	9.25	9		4.76	2

EMR铣刀盘 EMR Facing cutter



BAP铣刀盘 BAP Facing cutter



车削刀片 Turning Insert

刀片形状 Insert shape	刀片型号 Model NO.	刀片形状 Insert shape	刀片型号 Model NO.	刀片形状 Insert shape	刀片型号 Model NO.	刀片形状 Insert shape	刀片型号 Model NO.
	CNMG090304-TM		VNMG110404-TM		WNMG060404-TM		TNMG160404R-S
	CNMG090308-TM		VNMG110408-TM		WNMG060408-TM		TNMG160404L-S
	CNMG120404-TM		VNMG160404-TM		WNMG080404-TM		TNMG160408R-S
	CNMG120408-TM		VNMG160408-TM		WNMG080408-TM		TNMG160408L-S
	CNMG120412-TM		VNMG160412-TM		WNMG080412-TM		TNMG220404R-S
	CNMG160608-TM				WNMG080416-TM		TNMG220404L-S
	CNMG160612-TM						TNMG220408R-S
	CNMG160616-TM						TNMG220408L-S

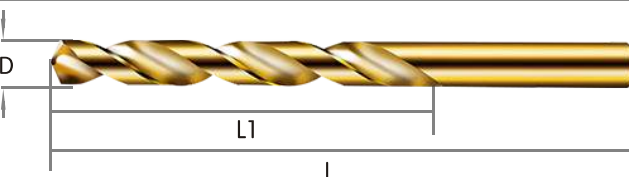
车刀杆 Lathe tool holder

刀片形状 Insert shape	刀片型号 Model NO.	刀片形状 Insert shape	刀片型号 Model NO.	刀片形状 Insert shape	刀片型号 Model NO.	刀片形状 Insert shape	刀片型号 Model NO.
	MSBNR/L2020K12		MVVNN2020K16		MWLNR/L2020K08		WTBNR/L2020K16
	MSBNR/L2525M12		MVVNN2525M16		MWLNR/L2525M08		WTBNR/L2525M16
	MSBNR/L3232P12		MVVNN3232P16		MWLNR/L3232P08		WTBNR/L3232P16
	MSBNR/L3232P15						





全磨含钴直柄麻花钻 Straight shank (HSS-CO) twist drill



普通长度(DIN338) Ordinary length		Unit : mm
直径(D) Diameter	全长(L) Total length	槽长(L1) Slot Length
0.50-1.20	36	14
1.35-1.50	40	18
1.55-1.70	43	20
1.75-1.90	46	22
1.95-2.10	49	24
2.15-2.35	53	27
2.40-2.65	57	30
2.70-3.00	61	33
3.10-3.30	65	36
3.40-3.70	70	39
3.80-4.20	75	43
4.30-4.70	80	47
4.80-5.30	86	52
5.40-6.00	93	57
6.10-6.70	101	63
6.80-7.50	109	69
7.60-8.50	117	75
8.60-9.50	125	81

镀钛丝锥 Titanium coated tap



规格 Specification	总长 Overall length	刃长 Length of cut
M3x0.35	48	11
M3x0.5	48	11
M3.5x0.35	50	13
M3.5x0.6	50	13
M4x0.5	53	13
M4x0.7	53	13
M4.5x0.5	53	13
M4.5x0.75	53	13
M5x0.5	58	16
M5x0.8	58	16
M5.5x0.5	62	17
M6x0.5	66	19
M6x0.75	66	19
M6x1	66	19
M7x0.75	66	19
M7x1	66	19
M8x0.75	66	19
M8x1	72	22
M8x1.25	72	22

三刃直柄平头立铣刀 3F Flute End Mill



MODEL	基本尺寸 Size (mm)				齿数Z
	D	d	H	L	
NNC-3T-D3.0S	3.0	4	8	50	3
NNC-3T-D3.0	3.0	6	8	50	3
NNC-3T-D3.5	3.5	6	10	50	3
NNC-3T-D4.0S	4.0	4	11	50	3
NNC-3T-D4.0	4.0	6	11	50	3
NNC-3T-D4.5	4.5	6	11	50	3
NNC-3T-D5.0	5.0	6	13	50	3
NNC-3T-D5.5	5.5	6	15	50	3
NNC-3T-D6.0	6.0	6	16	50	3
NNC-3T-D7.0	7.0	8	20	50	3
NNC-3T-D8.0	8.0	8	20	60	3
NNC-3T-D9.0	9.0	10	23	60	3
NNC-3T-D10.0	10.0	10	30	75	3
NNC-3T-D11.0	11.0	12	30	75	3
NNC-3T-D12.0	12.0	12	30	75	3
NNC-3T-D14.0	14.0	14	35	75	3
NNC-3T-D16.0	16.0	16	45	100	3
NNC-3T-D18.0	18.0	18	45	100	3

四刃直柄平头立铣刀 4F Flute End Mill



MODEL	基本尺寸 Size (mm)				齿数Z
	D	d	H	L	
NNC-4T-D1.0S	1.0	4	3	50	4
NNC-4T-D1.0	1.0	6	3	50	4
NNC-4T-D1.5S	1.5	4	4	50	4
NNC-4T-D1.5	1.5	6	4	50	4
NNC-4T-D2.0S	2.0	4	6	50	4
NNC-4T-D2.0	2.0	6	6	50	4
NNC-4T-D2.5S	2.5	4	6	50	4
NNC-4T-D2.5	2.5	6	6	50	4
NNC-4T-D3.0S	3.0	4	8	50	4
NNC-4T-D3.0	3.0	6	8	50	4
NNC-4T-D3.5	3.5	6	10	50	4
NNC-4T-D4.0S	4.0	4	11	50	4
NNC-4T-D4.0	4.0	6	11	50	4
NNC-4T-D4.5	4.5	6	11	50	4
NNC-4T-D5.0	5.0	6	13	50	4
NNC-4T-D5.5	5.5	6	15	50	4
NNC-4T-D6.0	6.0	6	16	50	4
NNC-4T-D7.0	7.0	8	20	60	4

二刃直柄平头立铣刀 2F Flute End Mill



MODEL	基本尺寸 Size (mm)				齿数Z
	D	d	H	L	
NNC-2T-D1.0S	1.0	4	3	50	2
NNC-2T-D1.0	1.0	6	3	50	2
NNC-2T-D1.5S	1.5	4	4	50	2
NNC-2T-D1.5	1.5	6	4	50	2
NNC-2T-D2.0S	2.0	4	6	50	2
NNC-2T-D2.0	2.0	6	6	50	2
NNC-2T-D2.5S	2.5	4	6	50	2
NNC-2T-D2.5	2.5	6	6	50	2
NNC-2T-D3.0S	3.0	4	8	50	2
NNC-2T-D3.0	3.0	6	8	50	2
NNC-2T-D3.5	3.5	6	10	50	2
NNC-2T-D4.0S	4.0	4	11	50	2
NNC-2T-D4.0	4.0	6	11	50	2
NNC-2T-D4.5	4.5	6	11	50	2
NNC-2T-D5.0	5.0	6	13	50	2

二刃直柄加长平头立铣刀 2F Flute End Mill



MODEL	基本尺寸 Size (mm)				齿数Z
	D	d	H	L	
NNC-2T-D3.0S	3.0	6	12	75	2
NNC-2T-D4.0	4.0	6	15	75	2
NNC-2T-D5.0	5.0	6	20	75	2
NNC-2T-D6.0	6.0	6	20	75	2
NNC-2T-D8.0	8.0	8	25	100	2
NNC-2T-D10.0	10.0	10	30	100	2
NNC-2T-D12.0	12.0	12	35	100	2
NNC-2T-D14.0	14.0	14	40	100	2
NNC-2T-D16.0	16.0	16	50	150	2
NNC-2T-D20.0	20.0	20	55	150	2

二刃直柄球头立铣刀 2F Ball Nose End Mill



MODEL	基本尺寸 Size (mm)					齿数Z
	D	R	d	H	L	
NNC-2B-R0.5S	1.0	0.5	4	2	50	2
NNC-2B-R0.5	1.0	0.5	6	2	50	2
NNC-2B-R0.75S	1.5	0.75	4	3	50	2
NNC-2B-R0.75	1.5	0.75	6	3	50	2
NNC-2B-R1.0S	2.0	1.0	4	4	50	2
NNC-2B-R1.0	2.0	1.0	6	4	50	2
NNC-2B-R1.25S	2.5	1.25	4	5	50	2
NNC-2B-R1.25	2.5	1.25	6	5	50	2
NNC-2B-R1.5S	3.0	1.5	4	6	50	2
NNC-2B-R1.5	3.0	1.5	6	6	50	2
NNC-2B-R1.75	3.5	1.75	4	8	50	2
NNC-2B-R2.0S	4.0	2.0	6	8	50	2
NNC-2B-R2.0	4.0	2.0	6	8	50	2
NNC-2B-R2.5	5.0	2.75	6	10	50	2
NNC-2B-R2.75	5.5	3.0	6	12	50	2

四刃直柄球头立铣刀 4F Ball Nose End Mill



MODEL	基本尺寸 Size (mm)					齿数Z
	D	R	d	H	L	
NNC-4B-R1.5	3.0	1.5	6	6	50	4
NNC-4B-R2.0	4.0	2.0	6	8	50	4
NNC-4B-R2.5	5.0	2.5	6	10	50	4
NNC-4B-R3.0	6.0	3.0	6	12	50	4
NNC-4B-R4.0	8.0	4.0	8	16	60	4
NNC-4B-R5.0	10.0	5.0	10	20	75	4
NNC-4B-R6.0	12.0	6.0	12	24	75	4
NNC-4B-R7.0	14.0	7.0	14	28	75	4
NNC-4B-R8.0	16.0	8.0	16	32	100	4
NNC-4B-R9.0	18.0	9.0	18	36	100	4
NNC-4B-R10.0	20.0	10.0	20	40	100	4





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

ISO high precision tap chuck
ISO 国标高精丝锥夹头



Collet for die tap
圆板牙套



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
重型精密回转顶尖



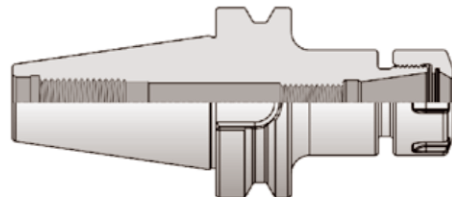
Precision Heavy Duty Live Center
重型精密回转顶尖



Precision High Live Center
(extended) 加长型精密回转顶尖



BT-ER 刀柄 BT-ER Tool chuck



型号 Model NO.	l1	d1	d3	加持范围 d2 Clamping range	适用螺帽 Applicable nut	型号 Model NO.	l1	d1	d3	加持范围 d2 Clamping range	适用螺帽 Applicable nut
ER11A-60	60	19	19	0.5-0.7	ER11A	ER16M-100	100	22	22	0.5-10	ER16M
ER11A-100	100	19	19			ER16M-150	150	22	22		
ER16A-60	60	28	28			ER16M-200	200	22	22		
ER16A-70	70	28	28	0.5-10	ER16A	ER20M-70	70	28	28		
ER16A-100	100	28	28			ER20M-100	100	28	28	1-13	ER20M
ER16A-150	150	28	28			ER20M-150	150	28	28		
ER20A-60	60	34	34			ER20M-200	200	28	28		
ER20A-70	70	34	34	1-13	ER20A	ER25UM-70	70	42	42		
ER20A-100	100	34	34			ER25UM-100	100	42	42	2-16	ER25UM
ER20A-150	150	34	34			ER25UM-150	150	42	42		
ER11M-60	60	16	16	0.5-0.7	ER11A	ER32UM-70	70	50	50		
ER11M-100	100	16	16			ER32UM-100	100	50	50	3-22.2	ER32UM
ER16M-60	60	22	22			ER32UM-150	150	50	50		
ER16M-100	100	22	22	0.5-10	ER16M	ER40UM-70	70	63	60		
ER16M-150	150	22	22			ER40UM-100	100	63	60	4-26	ER40UM
ER20M-60	60	28	28			ER40UM-150	150	63	60		
ER20M-100	100	28	28	1-13	ER20M	ER16A-100	100	28	28	0.5-10	ER16A
ER20M-150	150	28	28			ER16A-150	150	28	28		
ER25UM-60	60	42	42			ER16A-200	200	28	28		
ER25UM-70	70	42	42	2-16	ER25UM	ER20A-100	100	34	34		
ER25UM-100	100	42	42			ER20A-150	150	34	34	1-13	ER20A
ER25UM-150	150	42	42			ER20A-200	200	34	锥柄 34-40		
ER32UM-60	60	50	42			ER20A-250	250	34			
ER32UM-70	70	50	42	3-22.2	ER32UM	ER25UM-100	100	42	42		
ER32UM-100	100	50	42			ER25UM-150	150	42	42		
ER32UM-150	150	50	42			ER25UM-200	200	42	锥柄 42-55	2-16	ER25UM
ER40UM-70	70	63	45	4-26	ER40UM	ER25UM-250	250	42			
ER11A-70	70	19	19	0.5-7.0	ER11A	ER25UM-300	300	42	锥柄 42-55		
ER11A-100	100	19	19			ER25UM-350	350	42			
ER11A-150	150	19	19			ER25UM-400	400	42			
ER16A-70	70	28	28			ER32UM-100	100	50	50		
ER16A-100	100	28	28	0.5-10	ER16A	ER32UM-150	150	50	50		
ER16A-150	150	28	28			ER32UM-200	200	50	锥柄 50-60	3-22.2	ER32UM
ER16A-200	200	28	28			ER32UM-250	250	50			
ER20A-70	70	34	34			ER32UM-300	300	50	锥柄 50-60		
ER20A-100	100	34	34	1-13	ER20A	ER32UM-350	350	50			
ER20A-150	150	34	34			ER32UM-400	400	50			
ER16A-200	200	34	34			ER40UM-100	100	63	63		
ER11M-70	70	16	16			ER40UM-150	150	63	63		
ER11M-100	100	16	16	0.5-7	ER11M	ER40UM-200	200	63	63	4-26	ER40UM
ER11M-150	150	16	16			ER40UM-250	250	63	63		
ER16M-70	70	22	22	0.5-10	ER16M	ER40UM-300	300	63	63		



SP型浅孔钻/U钻 TDR-3XD Indexable U drills with SP inserts



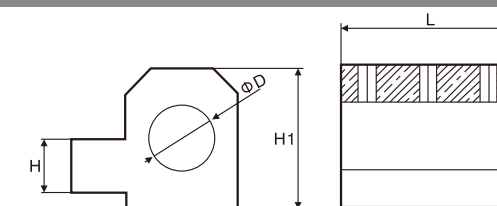
规格 Specification	刀片 Insert	螺钉 Screw	扳手 Wrench	倍径 Drill Length $\times$ (Times)
SP12.5-15	SP050204	M2*4	T6	2倍
				3倍
				4倍
				5倍
SP15.5-21.5	SP060204	M2.2*5	T6	2倍
				3倍
				4倍
				5倍
SP22-27.5	SP07T308	M2.5*6	T8	2倍
				3倍
				4倍
				5倍
SP28-33.5	SP090408	M3.5*8	T15	2倍
				3倍
				4倍
				5倍
SP34-41	SP110408	M4*10	T15	2倍
				3倍
				4倍
				5倍
SP42-50	SP140512	M5*11	T20	2倍
				3倍
				4倍
				5倍
SP51-60	SP070408	M3.5*8	T15	2倍
				3倍
				4倍
				5倍

规格型号 Model NO.	
BT30-SLA20-75	BT40-SLA40-100
BT30-SLA25-75	BT50-SLA16-90
BT30-SLA32-75	BT50-SLA20-90
BT40-SLA20-75	BT50-SLA25-105
BT40-SLA25-90	BT50-SLA32-105
BT40-SLA32-90	BT50-SLA40-105



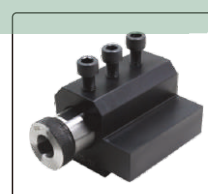
规格型号 Model NO.	
MTA3-SLN20	MTA4-SLN32
MTA3-SLN25	MTA4-SLN40
MTA3-SLN32	MTA5-SLN20
MTA3-SLN40	MTA5-SLN32
MTA4-SLN20	MTA5-SLN40
MTA4-SLN25	MTA6-SLN40

U钻刀座 Boring block for U drills



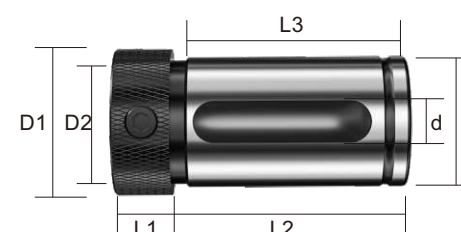
型 号	Model NO.	H	H1	L	D
DK20-16		20	37	60	16
DK20-20			47	65	20
DK20-25			47	65	25
DK20-32			55	85	32
DK25-16		25	42	65	16
DK25-25			53	70	25
DK25-32			60	85	32
DK25-40			65	90	40
DK32-40		32	83	100	40
DK32-50			83	100	50

刀座可搭配配件示例 Set up sample



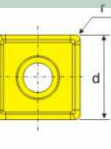
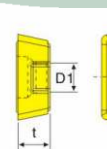
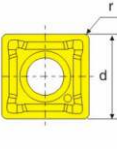
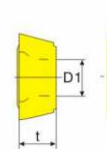
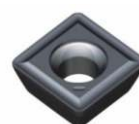
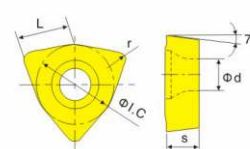
- 1** 刀座+刀套安装示例 Boring block and cutter sleeve set up example **2** 内孔刀安装示例 Endopool lathe tool set up example **3** U钻安装示例 U drill set up example **4** 钻夹头安装示例 Drill Chuck set up example **5** 锥柄钻头安装示例 Taper-shank set up example **6** 直柄钻头安装示例 Straight-shank drill set up example

变径套 Taper Sleeve



型 号 Model NO.	d	D	D1	D2	L1	L2	L3
D25-20	12	25	12	20	14	56	42
D32-25	14	32	14	25	14	70	25
D40-32	14	40	14	32	15	75	65
D50-40	16	50	16	40	15	85	74

U钻刀片 U Drill insert



型 号 Model NO.	规格尺寸 Specification and dimension					型 号 Model NO.	规格尺寸 Specification and dimension			
	L	I. C	S	d	r		D	t	r	D1
WCMX030208	3. 8	5.56	2.38	2.8	0. 8	SPMG050204	5	2.38	0.4	2.25
WCMX040208	4. 3	6.35	2.38	3.1	0. 8	SPMG060204	6	2.38	0.4	2.61
WCMX050308	5. 4	7.94	3.18	3.2	0. 8	SPMG07T308	7.94	3.97	0.8	2.85
WCMX06T308	6. 5	9.525	3.97	3.7	0. 8	SPMG090408	9.8	4.76	0.8	4.05
WCMX080412	8. 7	12.7	4.76	4.3	1. 2	SPMG110408	11.5	4.76	0.8	4.45
						SPMG120408	12.7	4.76	0.8	4.45
						SPMG140512	14.3	14.3	1.2	5.75