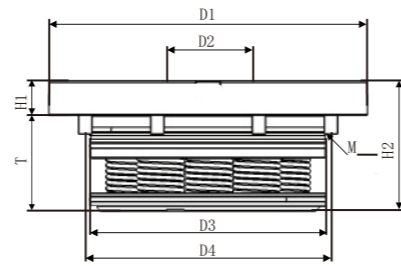


## 零点定位 Zero position



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

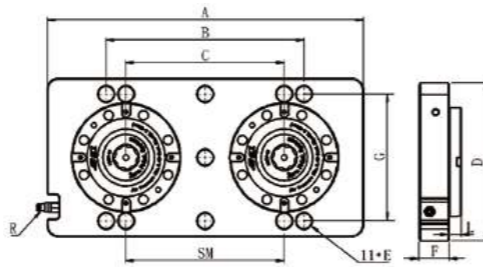


型号Model	Unlocking mode	Clamping force (KN)	Tension (KN)	Blowing dust	D1	D2	D3	D4	H1	H2	M	T	Weight (kg)
LQNC-5	气压	5	13	✓	78	18	58	65	8.5	30	8 × M4	21.5	0.5
LQNC-10	气压	10	25	✓	112	22	78	88	10	35	6 × M6	25	1.4
LQNC-20	气压	17	55	✓	138	32	102	115	15	49	8 × M6	34	2.6

## 零点定位 (两工位) zero position(Two-station)

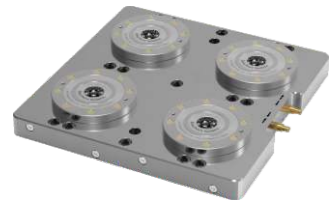


- Air pressure/hydraulic unlocking;
- Air pressure automatically removing the chip;
- Material: Die steel (#);
- Surface and piston hardening treatment;
- Repeated positioning accuracy < 0.005mm;



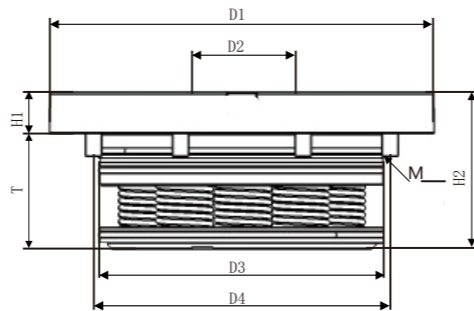
型号Model	Unlocking mode	Clamping force (KN)	Tension (KN)	Blowing dust	A	B	C	D	ΦE	F	G	L	SM	R	Weight(kg)
Q2GWB-5	气压	2x5	2x15	✓	198	150	100	98	11.5	25	85	8.5	100	G1/8	3.8
Q2GWB-10	气压	2x10	2x25	✓	366	250	200	166	20	28	138	10	200	G1/8	12.6
Q2GWB-20	气压	2x17	2x55	✓	398	250	200	198	20	38	164	15	200	G1/4	22.7
Y2GWB-10	液压	2x15	2x30	※	366	250	200	166	20	28	138	10	200	G1/8	12.6
Y2GWB-20	液压	2x25	2x60	※	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

# MRCM 美日®

## MEIRI CHINA MACHINE

CNC Tool grinder/Re-sharpener/Gear grinder/Cutter grinder/Chamfer/Tapping machine/Vise/Zero positioning/CNC indexing head/CNC blade



## MRCM 美日®

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



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MEIRI CHINA MACHINE

CNC TOOL GRINDER/RE-SHARPENER/GEAR GRINDER/CUTTER GRINDER/  
CUTTER GRINDER/CHAMFER/TAPPING MACHINE/VISE/ZERO POSITIONING

### 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 be applied 100 national 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, air tapping machine, 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 We also win the honors of ZHEJIANG SCIENCE AND TECHNOLOGY INNOVATION DEMONSTRATION ENTERPRISES, SCIENCE AND TECHNOLOGY INNOVATION OF ENTERPRISE 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



Factory building



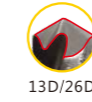
Showroom



Warehouse



Assembly workshop



13D/26D



MR-26D



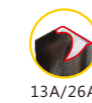
20G



MR-13B



20G



13A/26A



MR-13A



G3

### MR-13D 钻头研磨机 DRILL BIT SHARPENER

13D can grind the drill's front cutting lip. It can grind the drill's point angle, lip relief angle, and front cutting lip, the centre spot can be adjusted at random. Instead of centerdrill, it is accurate, escape of chips easily, drilling with a light heart.

Model	13D	26D
Grinding Range	φ3-φ13(φ15)	(φ8)φ13-φ26(φ32)
Point angle	95° -135°	95° -135°
Motor	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.  
Standard grinding wheel:CBN wheel (for HSS) .  
Optional:SD wheel(for carbide).

### MR-20G 钻头研磨机 DRILL BIT SHARPENER

20G can sharpen the drill bit point thinning, lip relief angle,you also can control the centre spot at random instead of centre drill, escape of chips easily, drilling with a light heart.

Model	13B	20G
Grinding Range	φ3-φ13	φ3-φ20
Point angle	95° -135°	95° -135°
Motor	220V/120W 50Hz	220V/120W/50Hz
Speed	4400rpm	4400rpm
Dimension	32×18×19cm	33×18×20cm
Weight	9kg	10kg

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

### MR-26A 钻头研磨机 DRILL BIT RE-SHARPENER

It is can grind the drill's point angle lip relief angle.

Model	13A	26A
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	30kg

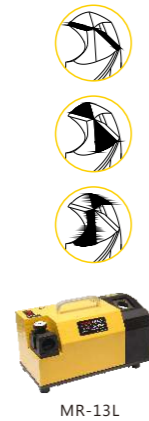
Standard equipment:13A# eleven collets;26A# fourteen collets.  
Standard grinding wheel:CBN wheel (for HSS) .  
Optional:SD wheel(for carbide).

### MR-G3 复合钻头研磨机 DRILL BIT SHARPENER

G3 Complex drill grinder can grind the twist drill from 3 to 32.  
G3 can grind the drill's front cutting lip. It can grind the drill's point angle, lip relief angle.  
G3=13D+ 26D

Model	G3
Grinding Range	φ3-φ26(φ32)
Point angle	95° -135°
Power	220V/50HZ/250W
Speed	4400RPM
Dimesnion	40×26×30cm
Weight	36kg

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



MR-13L

**MR-20L 硬质合金钻研磨机**  
CARBIDE DRILL BIT SHARPENER(DG)

■ 13L/20L patented product can sharpen the point angle, back bevel and back angle of the drill bit.

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#seventeencollets;  
Standard grinding wheel: SD wheel (for carbide).  
Optional:CBN wheel(for HSS).



13Q wheel 13T wheel



MR-13T

**MR-13Q 薄板钻研磨机**  
SPOT WELD DRILL SHARPENER

■ 13T can grind the stepped drill,13Q can grind the sheet metal drill.

■ It is accurate and durable.

Model	13Q/13T
Range	φ4-φ14
Point angle	118°-140°
Power	220V 160W
Speed	4400RPM
Dimension	35×22.5×23.5cm
Weight	13kg

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



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

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

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 粉末冶金钻研磨机**  
NACHI DRILL BIT SHARPENER

■ Portable drill grinder. It is accurate and with long service life.  
■ The patented product can sharpen the point angle (top Angle), back bevel Angle and chip removal groove. The chip removal groove and center static point can be adjusted.

Model	13F
Range	φ4-φ13
Point angle	135°
Power	120W
Speed	4400rpm
Dimension/Weight	30×14.5×18cm/13kg

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



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

■ MR-6A drill bit grinder, with the camera to set the drill grinding 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).



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

■ 13Z can grind 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).



**MR-60A/80A 万能钻头刃磨机**  
UNIVERSAL DRILL GRINDER

■ The MR-60A can sharpen φ10(3) 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(3)- φ60(φ80)
Point angle	30° -180°
Power	220V 50HZ 550W
Speed	2800rpm
Dimension/Weight	58×41×45cm/145kg



**MR-X1 端铣刀研磨机**  
**END MILL SHARPENER**

■ X1 portable end mill grinder, can grind 2-flute, 3-flute, 4-flute. also can open the Tungsten bar's cutting edge directly. It is easy to operate, with no skill to grind.

Model	X1
Range	φ4-φ14
Power	220V/200W
Speed	4400RPM
Dimension	35×23×24cm
Weight	14kg

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



**MR-X3 端铣刀研磨机**  
**END MILL SHARPENER**

■ X3/X3A/X5 portable end mill grinder, can grind 2-flute, 3-flute, 4-flute.  
■ X3/X3A/X5 point angle can be adjusted from 0° to 3°.

Model	X3/X3A	X5
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-X3A

MR-X5



**MR-AS12 铣刀研磨机**  
**END MILL RE-SHARPENER**

■ As12 portable end mill grinder, can grind 2-flute, 3-flute, 4-flute. It is easy to operate, with no skill to grind.

Model	AS12
Range	φ4-φ12
Power	220V/600W
Speed	6000RPM
Dimension	29×25×24cm
Weight	6.5kg

Standard equipment: AS12# 5clamping holders: 4, 6, 8, 10, 12; 9 collet holders: 2-flute, 3-flute, 4-flute, each 3pcs; SD wheel (for carbide).  
Optional: CBN wheel (for HSS).

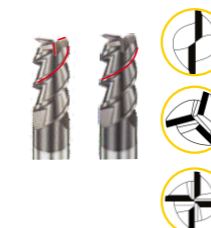


**MR-X3C 铣刀研磨机**  
**END MILL SHARPENER**

■ X3C portable end mill grinder, can grind 2-flute, 3-flute, 4-flute. It is easy to operate, with no skill to grind.

Model	X3C
Range	φ4-φ12
Power	220V/600W
Speed	6000RPM
Dimension	29×25×24cm
Weight	6.5kg

Standard equipment: X3C# ten collets (4, 5, 6, 7, 8, 9, 10, 11, 12, 13);  
SD wheel (for carbide).  
Optional: CBN wheel (for HSS).



MR-X6A



MR-X7

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

■ Independent developing X6 includes the function of X3, and can also grind peripheral cutting edge.  
■ With Taiwan diamond grinding wheel.

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-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.  
■ With Taiwan diamond grinding wheel, It can be equipped directly with an accurate angle and long service life.

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-X6RA

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

■ The machine is specialized in re-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/φ20
Grinding Range	R0.5, R1 or R1.5, R2 or R0.3, R0.5, R0.8, R1
Power	220V/160W
Speed	4400rpm
Dimension/Weight	41×24×30cm/22kg

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 re-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	End mill	Drill
Range	φ4-φ14/φ13-φ30	φ3-φ14/φ13-φ30
Point angle	0° -3°	95° -135°
Power	220V 160W/250W	
Speed	4400rpm	
Dimension	35×23×30cm/45×34×38cm	
Weight	21kg/47kg	

Standard equipment: F4 twelve collets; F6 nine collets;  
Standard grinding range: F4# END MILL φ4-φ14, DRILL φ3-φ14;  
Standard grinding wheel: CBN wheel (for HSS) or SD wheel (for carbide).



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

■ Portable screw tap grinder can grind 3-flute, 4-flute tap. Choosing can grind 5-flute and 2-flute 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: SD wheel (for carbide).  
Optional: CBN wheel (for HSS).



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

■ Portable screw tap grinder can grind 3-flute, 4-flute tap. Choosing can grind 5-flute and 2-flute tap.  
■ Y3C/Y5C can grind all front cutting face, also include the front cutting lip.

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: SD wheel (for carbide).  
Optional: CBN wheel (for HSS).



MR-Y5C



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

■ Portable screw tap grinder can grind 2-flute, 3-flute, 4-flute tap. Choosing can grind 5-flute.  
■ Y6B can grind the spiral flute tap's front cutting face, and flat tap's front cutting lip and 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: SD wheel (for carbide).  
Optional: CBN wheel (for HSS).

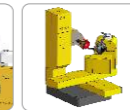
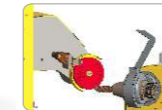


**MR-A5 丝攻·钻头复合机**  
**COMPLEX SHARPENER OF TAP & DRILL**

■ A5 is the complex re-sharpener of screw tap and drill.  
■ A6 is the complex re-sharpener of end mill and screw tap.  
■ One machine with two function, easy to use, economic price.

Model	Screw tap	Drill
Range	M5-M20	φ4-φ14
Point angle	5° -30°	100° -135°
Power	220V/160W	
Speed	4400rpm	
Dimension/Weight	36 x 29.5 x 28cm/21kg	

Standard equipment: A4 eleven collets;  
Standard grinding range TAPS: M5-M20; DRILL φ4-φ14  
Standard grinding wheel: SD wheel (for carbide).  
Optional: CBN wheel (for HSS).



**MR-S30 六轴数控工具磨床**  
**SIX AXIS CNC TOOL GRINDER**

■ MR-S30 is a six axis CNC tool grinder, which is specially designed for cutting tools' users. PLC+touch screen control, make the operation simply and intuitively, satisfy any angle's tool grinding. The system has a set of grinding parameters for drills and end mills. At the same time, the grinding parameters can be customized by hand wheels, by replacing various shapes' grinding wheel to grind various tools.

Model	DRILL	铣刀	丝锥
Grinding Range	1-20mm	1-20mm	1-20mm
Point angle	0° -180°		
Cooling mode	water-cooling		
Grinding accuracy	0.02mm		
Speed	4400rpm		
Power	200W		
Dimension/Weight	1000X900X1690mm/195kg		



**MR-13W 钨棒研磨机**  
**TUNGSTEN BAR GRINDER**

■ 13W Tungsten bar grinder can adjust point angle from 60° to 90° (0° to 180°)

Model	13W
Range	φ4-φ14
Power	220V 160W
Speed	4400rpm
Dimension	35 x 23 x 27cm
Weight	12kg

Standard grinding wheel: CBN wheel (for HSS) or SD wheel (for carbide).



**MR-X4 切断研磨机**  
**CUTTING MACHINE**

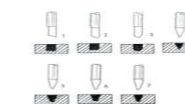
■ X4 is the specialized machine for cutting the tools.

Model	X4
Range	φ4-φ14
Power	220V 160W
Speed	4400rpm
Dimension	35 x 23 x 27cm
Weight	12kg

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



MR-U2/20



**MR-U3 万能磨刀机**  
**UNIVERSAL CUTTER GRINDER**

■ The machine is necessary of CNC carving machine and milling machine.  
■ The universal cutter grinder U3 with the attachments can grind drill bit, lathe tool and ball cutter. The max. holding diameter: φ18mm

Model	U3/U2
Collet diameter	φ3-φ18
Grinding wheel	φ100 x 50 x φ20
Power	220V/380V 50Hz
Speed	5300rpm
Dimension/Weight	45 x 35 x 34cm/52kg



Lathe tool

End mill

Drill bit

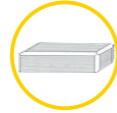


### MR-R200A 手提强力倒角机 HIGH SPEED PORTABLE CHAMFER

- 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.
- Standard square alloy bit (model 4130511).

Model	R200A
Chamfering range	0-9mm
Chamfering angle	15° -45°
Power	380V 550W
Speed	3000-6000rpm
Dimension/Weight	38 x 24 x 24.5cm/13kg

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



### MR-R200 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.
- Standard square alloy bit (model 4130511).

Model	R200
Chamfering range	0-6mm
Chamfering angle	15° -45°
Power	380V 550W
Speed	3500rpm
Dimension/Weight	38 x 24 x 24.5cm/13kg

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



### 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
Chamfering height	0-3mm
Power	380V 550W
Speed	2800rpm
Dimension	54 x 39 x 30cm
Weight	38kg



### MR-R300D 高速圆弧倒角机 ARC ANGLE CHAMFER

- Applying to non-heat treatment workpiece for such as various mould, part of machine's chamfer.
- R300D is the complex chamfering machine for R angle and C angle.

Model	R300D
Chamfering range	R1-R4/C3
Power	220V 500W
Speed	3000-6000rpm
Dimension	40 x 30 x 22cm
Weight	27kg



### MR-R900 滑轨复合倒角机 HIGH SPEED SLID RAIL COMPLEX CHAMFER

- No need to clamp, simple operation, regular chamfering, easy adjustment, economic reliability, efficiency is 10-15 times of numerical control equipment, is the trend of the development of machinery industry.

Model	R900
Chamfering range	0-3mm; 0-2.5mm
Chamfering angle	45° R2,R3
Power	220V/380V 50Hz
Motor	750W
Speed	Straight: 8500rpm Curved: 12000rpm
Dimension/Weight	52 x 60 x 60cm/62kg

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



### 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/Weight	52 x 44 x 69cm/68kg

The machine adopt Swedish SKF bearing and imported digital cuttings.



### MR-R500 侧面倒角机 SIDE CHAMFER

- R500 Adopting the grinding wheel, suitable for heat treatment of workpiece.

Model	R500
Chamfering height	0-3mm
Chamfering angle	45°
Power	380V 550W
Speed	2800rpm
Dimension/Weight	53 x 42 x 39cm/36kg



### SKF-15 坡口倒角机 Pipe Beveling Machine

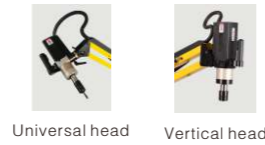
- SKF-15 chamfering machine is specially designed for plate beveling and chamfering. It is a convenient and dexterous machine. It can be used for deburring and chamfering of metal sheet before welding, etc. The machine is simple and safe to use, suitable for steel, cast iron, hard plastics, non-ferrous 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-DS16/24/30/36/42 触屏电动攻丝机**  
**ELECTRIC TAPPING MACHINE(TOUCH-SCREEN)**

- 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.
- Push-button design, automatic or manual options, easy operation. With the high efficiency, saving time and energy, accurate positioning, fast cutting.
- Tap shall never break for tapping trough-hole or blian-hole.



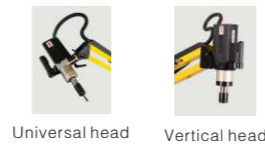
Model	DS12	DS16	DS24	DS30	DS36	DS42
Tapping Range	M3-M12	M3-M16	M6-M24	M6-M30	M6-M36	M12-M42
Power	220V 600W	220V 600W	220V 1200W	220V 1200W	220V 1200W	220V 1200W
Speed	0-1100rpm	0-312rpm(无极)	0-250rpm	0-200rpm	0-156rpm	0-200rpm
水平伸展范围	1100mm	1100mm	1100mm	1100mm	1100mm	1300mm
垂直伸展范围	380mm adjustable	380mm adjustable	520mm adjustable	520mm adjustable	520mm adjustable	750mm adjustable
Weight	27kg	32kg	46kg	48kg	52kg	52kg

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-DS16/24/30/36/42 按键电动攻丝机**  
**ELECTRIC TAPPING MACHINE(PUSH-BUTTON)**

- 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.



Model	DS12	DS16	DS24	DS30	DS36	DS42
Tapping Range	M3-M12	M3-M16	M6-M24	M6-M30	M6-M36	M12-M42
Power	220V 600W	220V 600W	220V 1200W	220V 1200W	220V 1200W	220V 1200W
Speed	0-1100rpm	0-312rpm(无极)	0-250rpm	0-200rpm	0-156rpm	0-200rpm
水平伸展范围	1100mm	1100mm	1100mm	1100mm	1100mm	1300mm
垂直伸展范围	380mm adjustable	380mm adjustable	520mm adjustable	520mm adjustable	520mm adjustable	750mm adjustable
Weight	27kg	32kg	46kg	48kg	52kg	52kg

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-12B/16B/20B/30B/36B/42B 折臂电动攻丝机**  
**ELECTRIC TAPPING MACHINE(push-button)**

- 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.
- Push-button design, automatic or manual options, easy operation. With the high efficiency, saving time and energy, accurate positioning, fast cutting.
- Tap shall never break for tapping trough-hole or blian-hole.

Model	12	16	20	24	30	36	42
Tapping Range	M2-M12	M3-M16	M3-M20	M6-M24	M6-M30	M6-M36	M12-M24
Power	1000W	1000W	1800W	1800W	1800W	1800W	1800W
Speed	201-875rpm	64-375rpm	50-300rpm	50-300rpm	40-240rpm	32-187rpm	40-250rpm
Working radius	1100mm	1100mm	1100mm	1200mm	1200mm	1200mm	1300mm
Collet	7只	8只	9只	8只	9只	11只	11只

**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
Topping range	M5-M20	Working radius	850mm
Collet Qty	7个	Max.speed	315rpm
Working tgepe	Vertical	Point angle	否
Working depth	80(mm)	Voltage	220V/1000W
Working height	400(mm)	Weight	270KG 左右

**吸盘**

**MAGNETIC SEAT**

- With optional magnetic base work in any big workpiece surface

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



**工作台**

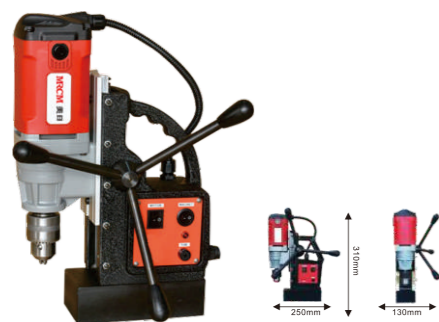
**WORK TABLE**

- Optional size: 800\*500mm, 900\*600mm

MODEL	TABLE	TABLE
Size	800X500MM	900X600MM
Weight	70KG	85KG



500X800mm



### 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 the 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-V9228

### MR-V9223 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	V9223	V9228
The max. drilling dia.	23mm	28mm
Max. magnetic force	12000N	13000N
Max. turning Angle	70°	70°
The max. radial displacement	30mm	30mm
The max. depth of drilling	210mm	210mm
Rated speed	300r/min	235r/min
Power	1000W 220V	1200W 380V
Weight	28kg	29kg

### 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
Twist 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-M3 数控刀片·车刀研磨机

#### BLADE & LATHE TOOL GRINDER

■ 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 x 34 x 44cm
Weight	78kg



### MR-M4 数控刀片·车刀研磨机

#### PCD-CBN BLADE GRINDER

■ M4 uses the camera to detect the sharpening tool, which candetect the length, angle and arbitrary arc radius of(R0.5-R2.5). 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 x 60 x 80cm
Weight	150kg

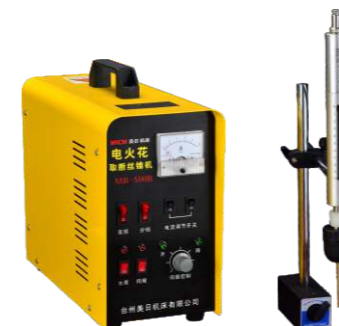


### MR-K2 空心钻研磨机

#### CORE DRILL GRINDER

■ Core drill grinder 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 clamper	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 )	φ 125xφ 25mm
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-1500 电火花机

#### ELECTRIC DISCHARGE MACHINES

■ Mainly used in taking out the broken screw taps(M2-M30), drill bits, reamers, screws and other tools that in the workpieces. It is fast and nondestructive. It also can work in the harden steel, kentanium and other metal materials to do the holes or marks that need no accuracy.

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





MR-Q12



**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	Q12
Saw blade dia.	φ60(φ25)-φ300(φ350)	φ70(φ25)-φ300
Voltage	220V/380V	220V/380V
Speed	45teeth/min	45teeth/min
Power	550W 60W(T)	550W 60W(T)
Dimension	65×65×105cm	63*63*80cm
Weight	103kg	75kg



Welding



**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.

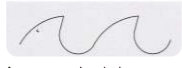
Model	Q10
Saw blade Dia.	φ60-φ350(φ400)
Voltage/Power	220V/250W/60W(T)
Speed	4000rpm/45teeth/min
Dimension	62×62×72cm
Weight	56kg



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.

**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/Tooth depth	(max)28mm (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
Crinding wheel	150mm
Power/Speed	380V/220V 550W/2800rpm
Dimension	60×50×100cm
Weight	110kg



**MR-600F 万能工具磨床**  
UNIVERSAL TOOL GRINDER

- The worktable of 600 uses the dovetail guide rail, good rigidity; And 600F uses two high precision straight line roiling guide rails, steady bed platform, good movement. 6025 can grind in hole and outer annulus.
- Standard accessories can grind slot miller, face and side cutter, lathe tool, hobbing cutter, reamer bit etc.
- Choosing 50E can grind spiral milling cutter, ball end mill.
- Choosing 50K can grind drill bit, screw tap.



50E Spiral mill·ball cutter grinder



50K Drill bit·screw tap grinder



50D End-milling cutter grinder



6025 Universal tool grinder



Toolbox 50B



Centre 50J



Hight-speed bistrigue

项目 Model	600/600F	6025
工作台左右行程 About worktable diameter	300mm	350mm
工作台前后行程 About worktable traveling schedule	150mm	150mm
工作台面积 Worktable area	130×550mm	130×675mm
砂轮尺寸 Grinding wheel size	φ125×50×φ32mm	φ150×16×φ32mm
转速 Power/Speed	2800RPM	5000RPM
马达 Motor	3/4HP 200V/380V	3/4HP 200V/380V
尺寸 Dimension	70×63×63cm	73×71×72cm
毛重/净重 Weight	168kg/160kg	209kg/222kg

**数控分度盘**  
CNC DIVIDING HEAD



SKR series CNC horizontal rotary table is the key accessory of CNC milling machine and machining center. It can be respectively arranged on the main work table by vertical and horizontal modes. At work, using the main control system or special control system to complete the coordination with the host, and the necessary indexing rotary remote control.

**FEATUERS:**

- It can be installed horizontally or vertically.
- Big diameter through holes, the center of the rotary table and the center of rotation have strict coaxiality requirements, it is convenient for customers to do precise positioning.
- Fully sealed design to prevent corrosion of coolant.
- With accurate worm and gear structure, it is comfortable to do sport.
- Fast, simple, flexible programming.
- Through the M code to achieve simple docking with CNC machine tools.
- High precision and high repeat precision.

## 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 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



#### FEATUERS:

- 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.
- Simple mechanical switch, do not need power and make the magnetic workpiece falls off.
- Simple quick replacement of the clamping workpiece, workpiece clamping adjust working hours, to realize five surface processing, improve work efficiency by 80%.

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

#### 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.
- The operation is simple quick keys.
- 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

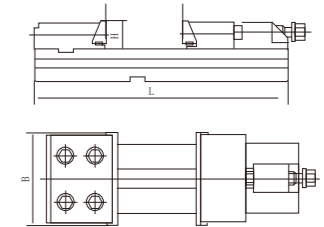
### VACUM SUCKER



## 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

## MC 角固式/倍力式空压快速精密虎钳

### MC COMPACT/PNEUMATIC QUICK VISE



- The double force type air pressure fast vise is suitable for MC vertical horizontal comprehensive cutting machine, milling machine, drilling machine, special machine and other mass production and processing fast fixture.
- The double force mechanism cooperates with the air pressure to achieve fast and large clamping force function, and only needs to be connected to the air pressure source to avoid oil pushing to prevent oil leakage.
- The vise is designed with a safety stop device. When the air pressure source suddenly stops supplying, the clamping force is not loose and the safety is high.

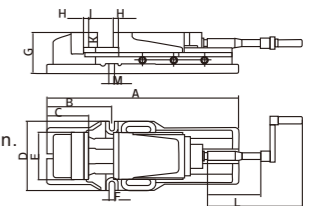
型号Model	A	B	C	D	E	F	G	H	I	J	J1	J2	J3	K	L	M	X	夹紧力	净重	毛重	装箱尺寸
DPV-5"-150	525	400	125	130	157	160	85	15	125	0-150	95-250	125-285	210-370	55	145	18	45	6000	38	40	605×220×210
DPV-6"-160	545	420	125	160	160	163	85	15	138	0-160	95-260	140-305	225-390	58	130	18	45	6000	48	50	625×250×210
DPV-5"-250	565	510	125	160	160	163	85	15	138	0-250	95-350	140-395	225-495	58	130	18	89	6000	52	55	715×250×210

## 内藏式精密油压虎钳

### WORKING PRECISION HYDRAULIC VISE



- Mechanical/hydraulic type can be used alone or in combination. Strong and powerful material ~ vise This table uses spheroidal graphitized cast iron(FCD60~60kgs/mm2). (80,000 psi)
- Strong tensile strength, high wear resistance and low deformation.
- The sliding surface of the vise is hardened by heat treatment HRC 45 degrees or more, and Precision grinding, long-term wear resistance and precision.



UNIT: mm

Model	A	B	C	D	E	F	G	H	J	K	L	M	KN	WEIGHT	PACKAGE SIZE
NHV-130A	525	195	121	224	130	19	134	16	0-210	52	310	18	40KN(3915kgf)	38kg	640x260x185
NHV-150A	620	210	136	224	130	19	134	16	0-300	52	310	18	50KN(4915kgf)	58kg	730x260x190

## QGG高度精密工具平口钳

### QGG HIGH-PRECISION 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.

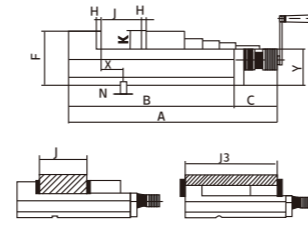
SPEC	QGG50	QGG60	QGG63	QGG73	QGG80	QGG88	QGG100	QGG125	QGG125A	QGG150
WIDE	50	60	63	73	80	88	100	125	125	150
DEEPTH	25	25	32	35	40	40	45	50	50	50
LENGTH	65	55	85	100	100	125	125	160	210	175
TOTAL LENGTH	155	110	190	210	220	250	260	300	350	315

## 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.
- 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), it is not easy to deform.



Unit: mm

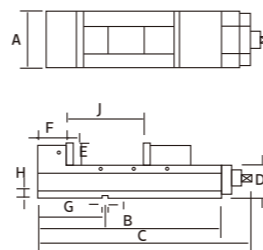
Model	A	B	C	D	F	H	J	J3	K	N	X	Y	Clamping force	Weight	Packing size
CHV-100A	475	340	135	101	133	15	0-125	125-320	48	18	45	85	36KN(3528kgf)	27kg	600x220x185
CHV-130A	540	405	135	131	150	15	0-180	180-380	55	18	65	95	46KN(4508kgf)	40kg	665x250x205
CHV-160A	630	495	135	161	163	15	0-240	240-470	58	18	65	105	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 倍力虎钳

### MC DOUBLE FORCE VISE



- MC double force pressure vise, it is suitable for vertical and horizontal integrated cutting machine with FMS system to do heavy cutting.
- Easy clamping, efficient and labor-saving, can reduce the labor intensity of employees.
- The high force mechanism can set the clamping force at any time, and repeated use many times to maintain a considerable clamping force, and consistent accuracy, and designed to have clamping force overload protection device.
- Vice with anti chip design, in order to prevent the processing of iron filings into the drive screw and vice internal, not easy to remove.
- Big opening, it is suitable for large-scale work to do precision machining.



Unit: mm

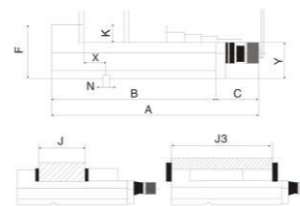
Model	A	B	C	D	E	F	G	H	I	J	J1	J2	J3	G.W.	POWER
MPL-130B	130	450	580	95	50	85	135	23	16	240	285	320	405	48kg	4500kgf
MPL-160B	160	550	680	100	60	103	200	23	16	300	380	400	500	66kg	5000kgf

## 角固式机械虎钳

### COMPACT MECHANICAL VISE



- The verticality of the jaw to the machine tool table is 50:0.02, which is made of high quality alloy steel. Surface hardening treatment, hardness HRC58-62, used for milling, boring, drilling and grinding of CNC machine tools, machining centers and general purpose machine tools.



UNIT: mm

### TECHNICAL PARAMETER

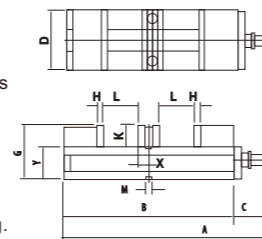
Model	A	B	C	D	E	F	J	J3	K	N	X	Y	Clamping force	Weight	Packing size
JX-100A	457	340	135	101	133	15	0-125	125-320	48	18	45	85	36KN(3528KGF)	27KG	600*220*185
JX-130A	540	405	135	131	150	15	0-180	180-380	48	18	45	85	46KN(4508KGF)	40KG	665*250*205
JX-160A	630	495	135	161	163	15	0-240	240-470	58	18	65	105	56KN(5488KGF)	60KG	760*280*215
JX-200A	750	570	135	201	173	15	0-280	280-540	63	18	82	115	71KN(6958KGF)	81KG	860*320*225

## MC 双加紧/角固式精密机械虎钳

### MC 2LN 1DOUBLE LOCK & ANGLock MACHINE VISE



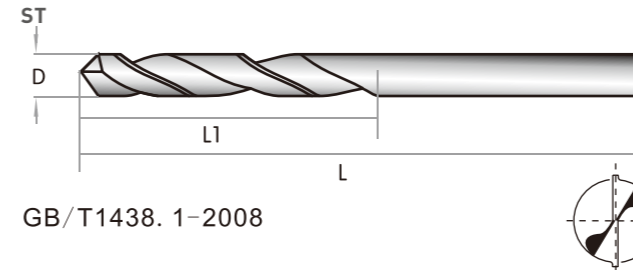
- Double clamping mechanism, one side can be freely adjusted with the opening range, can do two Different sizes of workpieces are processed at the same time. The working error on both sides can be automatically eliminated by ±1.5mm, and the clamping force on both sides All remain the same.
- The movable sides on both sides are designed with an angle-locking mechanism to prevent the workpiece from floating.



UNIT: mm

Model	A	B	C	D	G	H	L EACH SIDE	M	K	X	Y	WEIGHT	PACKAGING SIZE
SMC-160A	585	500	85	161	148	15	0-100	0-100	18	58	30	90	59kg 760x280x215

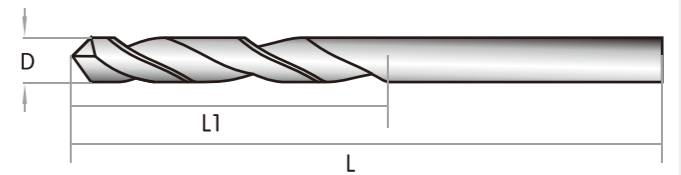
## STRAIGHT SHANK (HSS-CO) TWIST DRILLS



GB/T1438. 1-2008

Diameter(DIN338)		Unit: mm	
Drill(D)	Overall length(L)	Flute length	
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	

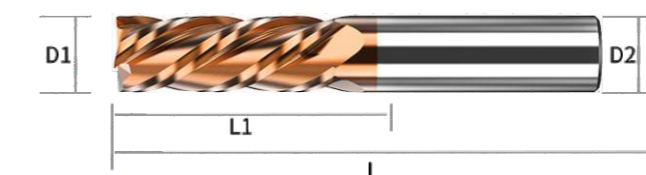
## STRAIGHT SHANK (HSS-CO) TWIST DRILLS



GB/T6135. 2-2008

Normal length(DIN338)		Unit: mm	
Drill(D)	Overall length(L)	Flute length	
3.10-3.30	60	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	

## Alloy flat end mill (2 flutes, 4 flutes)



1. Ultra-fine particle alloy bars, strong wear resistance;
2. Used for steel processing below HRC60 degrees;
3. It can also be used for processing stainless steel, cast iron and other materials.
4. Composite nano coating.

Model	Drill(D)	Blade length L1	Overall length (L)	Shank diameter D2
1*4*3*50	1	3	50	4
1.5*4*4*50	1.5	4	50	4
2*4*6*50	2	6	50	4
2.5*4*8*50	2.5	8	50	4
3*4*8*50	3	8	50	4
3*6*8*50	3	8	50	4
4*4*10*50	4	10	50	4
4*6*10*50	4	10	50	6
5*6*13*50	5	13	50	6
6*6*15*50	6	15	50	6
8*8*25*60	8	25	60	8

## U Drill



U drill diameter	Shank diameter	Drilling depth	Screw wrench	Knives	Cutter head
15-20	20MM	倍径*刃径	T8	wc..030208	BT30/40/50-SLN20
15-20.5	25MM	倍径*刃径	T8	wc..030208	BT30/40/50-SLN25
21-24.5	25MM	倍径*刃径	T8	wc..040208	BT30/40/50-SLN25
25	25MM	倍径*刃径	T8	wc..050308	BT30/40/50-SLN25
25.5-30.5	32MM	倍径*刃径	T8	wc..050308	BT30/40/50-SLN32
31-39.5	32MM	倍径*刃径	T8	wc..06T308	BT30/40/50-SLN32
40-41	40MM	倍径*刃径	T15	wc..06T308	BT30/40/50-SLN40
42-63	40MM	倍径*刃径	T15	wc..080412	BT30/40/50-SLN40
64-70	40MM	倍径*刃径	T15	wc..06T308	BT30/40/50-SLN40