

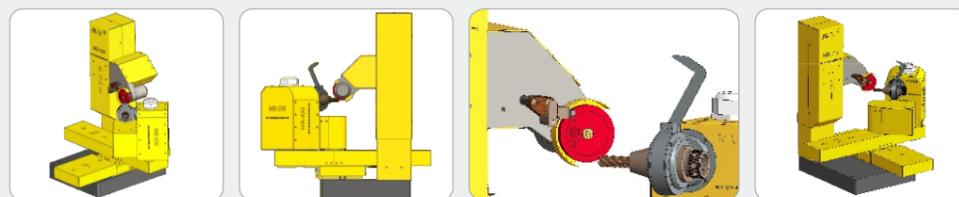
六轴数控工具磨床

SIX AXIS CNC TOOL GRINDER



- MR-S30六轴数控工具磨床专为刀具用户提供工具修磨之用。PLC+触摸屏控制，操作简单直观，可以满足任何角度的工具磨削，系统自带一套钻头与铣刀工具的磨削参数，同时也可以用手轮自定义磨削参数，通过更换各种形状的钻石砂轮，以适应各类工具的扩展磨削。
- 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.

项目	Model	钻头系列	铣刀系列	丝锥系列
研磨范围	Grinding range	1-20mm	1-20mm	1-20mm
顶端角	Point angle	0-180°		
冷却方式	Cooling mode	水冷water-cooling		
研磨精度	Grinding accuracy	0.02mm		
砂轮马达	Grinding wheel motor	250W		
砂轮转速	Wheel speed	4400rpm		
标配砂轮	Standard grinding wheel	CBN(HSS用)、SDC(钨钢用)		
工作电源	working power supply	AC220V(可根据客户需求)		
外形尺寸	External dimensions	1000*900*1690mm 封闭式		
整机重量	Overall weight	195Kg		



MR-13C
0°后角倒角钻头研磨机
0° Relief Angle Chamfering
Drill Bit sharpener



13A/26A型
修磨效果图



13C修磨
效果图



操作视频
Operation video

MR-13A 钻头研磨机

DRILL BIT SHARPENER

- 13A能刃磨钻头顶角(先端角)、后角(逃隙角)和倒后面, 钻削轻松, 排屑容易。
- 13C专利产品能刃磨钻头先端角(顶角)、逃隙角(后角),排屑更容易, 倒角更轻松。
- 13A can sharpen the drill's point angle and lip relief angle, easy drilling and easy chip evacuation.
- 13C patent products can sharpen drill point angle and lip relief angle, easier chip removal and chamfer.

项目	Model	13A	13C
研磨范围	Grinding range	φ3-φ13(φ15)	φ3-φ13(φ15)
先端角	Point Angle	100(95°)-135°	
电源	Power	220V 50/60HZ	
马达	Motor	120W	
转速	Speed	4400RPM	
标准砂轮	Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)	
尺寸	Dimension	32×18×19cm	
重量	Weight	10kg	9kg

注:标配筒夹13型11个。标配研磨范围:13型φ3-φ13;
Standard equipment: 13# eleven collets.
Standard grinding range: 13# (φ3-φ13)

3mm以下不好定位 It is not so easy to align the drill less than 3mm.

MR-13B/20G

钻头研磨机

DRILL BIT SHARPENER

- 13B/20G能刃磨钻头顶角(先端角)、后角(逃隙角)和倒后面, 可调中心横刃大小, 定位精确, 钻削轻松, 排屑容易。
- 13B/20G can sharpen the drill's point angle and lip relief angle, adjustable center chisel size, easy drilling and easy chip evacuation.

项目	Model	13B	20G
研磨范围	Grinding range	φ3-φ13(φ15)	φ3-φ20
先端角	Point angle	100°(95°)-135°	100(95°)-135°
电源	Power	220V 50/60HZ	220V 50/60HZ
马达	Motor	120W	120W
转速	Speed	4400RPM	4400RPM
标准砂轮	Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)	
尺寸	Dimension	32×18×19cm	32×18×19cm
重量	Weight	9kg	10kg

注: 标配筒夹13B型11个, 标配CBN砂轮一个。标配研磨范围: 13B型φ3-φ13
20G型18个, 标配研磨范围: 20G型φ3-φ20。

Standard equipment: 13B# eleven collets; One CBN wheel. 20G#eighteen colle
Standard grinding range: 13B# (φ3-φ13); 20G#(φ3-φ20)

3mm以下不好定位 It is not easy to align the drill less than 3mm.



MR-20G



13B/20G型修磨效果图



操作视频
Operation video



13D型
修磨效果图
Sample



操作视频
Operation video

MR-13D 钻头研磨机

DRILL BIT SHARPENER

- 13D能刃磨钻头前切削刃（前角）、顶角（先端角）、后角（逃隙角）和倒后面，可调中心横刃大小，钻削轻松，排屑容易。
- 13D can sharpen the drill's point thinning, point angle and lip relief angle, adjustable center chisel size, easy drilling and easy chip evacuation.

项目	Model	13D
研磨范围	Grinding range	φ3-φ13(φ15)
先端角	Point angle	100°(95°)-135°
电源	Power	220V 50/60HZ
马达	Motor	120W
转速	Speed	4400RPM
标准砂轮	Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)
尺寸	Dimension	32×18×19cm
重量	Weight	10kg

注:标配筒夹13型11个。标配研磨范围:13型φ3-φ13,选配φ14,φ15;
Standard equipment:13# eleven collets. One CBN wheel.
Standard grinding range:13# (φ3-φ13);optional φ14, φ15.
3mm以下不好定位 It is not easy to align the drill less than 3mm.



MR-13L



操作视频
Operation video

MR-13L/20L

硬质合金钻研磨机

CARBIDE DRILL BIT SHARPENER

- 13L/20L为专利产品，主要修磨三斜面钻头（内、外冷钻），能刃磨钻头的顶角（先端角）、后斜角（第二后角）和倒后面，其倒后面和中心横刃大小可调，定位精确，钻削轻松，排屑容易。
- 13L/20L is a patented product, mainly grinding three-bevel drill bits (internal and external cooling drill bits), it can grind the drill's point angle, back bevel angle (second back angle) and back angle. Adjustable size of back angle and center chisel edge, accurate positioning, easy drilling and easy chip removal.

项目	Model	20L	13L
研磨范围	Grinding range	φ4-φ20	φ4-φ13
先端角	Point Angle	135°	135°
电源	Power	220V 50/60HZ	220V 50/60HZ
马达	Motor	120W	120W
转速	Speed	4400RPM	4400RPM
标准砂轮	Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)	CBN(HSS高速钢专用)或SD(钨钢专用)
尺寸	Dimension	33X18X22cm	33×18×22cm
重量	Weight	8.6kg	8.9kg

注:标配筒夹13L型10个;标配SDC砂轮1个。标配研磨范围:13L型φ4-φ13。
20L型17个, 标配研磨范围20L型φ4-φ20。
Standard equipment:13L# ten collets, One SDC wheel.20L#seventeen collets,
Standard grinding range:13L# (φ4-φ13). 20# (φ4-φ20)

MR-13E 大后角钻头研磨机

BIG RELIEF ANGLE DRILL BIT SHARPENER

- 13E采用最新大后角结构，修磨出来的钻头后角比普通机器修磨的后角更大，更利于钻削。
- 13E adopt the latest large relief angle structure, the relief angle is larger than that of ordinary machines, which is more conducive to drilling.

项目	Model	13E
研磨范围	Grinding range	φ3-φ13(φ15)
先端角	Point Angle	100(95°)-135°
电源	Power	220V 50/60HZ
马达	Motor	120W
转速	Speed	4400RPM
标准砂轮	Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)
尺寸	Dimension	32×18×19cm
重量	Weight	10kg

注: 标配筒夹13E型11个; 标配研磨范围φ3-φ13
Standard equipment:13E# eleven collets.
Standard grinding range φ3-φ13.



操作视频
Operation video

MR-13F 不二越钻头研磨机

NACHI DRILL BIT SHARPENER

- 13F为专利产品，主要修磨粉末冶金钻，如那智不二越（NACHI）的SG-ESS钻头（LIST 7572P）。
- 13F is a patented product can sharpen such as NACHI's SG-ESS bit (LIST 7572P).

项目	Model	13F
研磨范围	Grinding range	φ4-φ13
先端角	Point Angle	135°
电源	Power	220V 50/60HZ
马达	Motor	120W
转速	Speed	4400RPM
标准砂轮	Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)
尺寸	Dimension	30×14.5×18cm
重量	Weight	13kg

注: 标配筒夹13F型10个, 标配CBN砂轮一个。
标配研磨范围: 13F型φ4-φ13
Standard equipment:13F#Ten collets, one CBN wheel.
Standard grinding range:13F#(φ4-φ13)
3mm以下不好定位 It is not easy to align the drill less than 3mm.



13F型修磨效果图
Sample



操作视频
Operation video

MR-26A 钻头研磨机

DRILL BIT SHARPENER



- 26A能刃磨钻头顶角（先端角）、后角（逃隙角），钻削轻松，排屑容易。
- 26A can sharpen the drill's point angle and lip relief angle, easy drilling and easy chip evacuation.

项目 Model	26A	
研磨范围 Grinding range	(φ8)φ13-φ26(φ32)	
先端角 Point angle	95°-135°	
电源 Power	220V 50/60HZ	
马达 Motor	250W	
转速 Speed	4400RPM	
标准砂轮 Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)	
尺寸 Dimension	49×25×26cm	
重量 Weight	30kg	

注：标配筒夹26型14个，标配CBN砂轮一个。
 标配研磨范围：26型φ13-φ26,选配φ8-φ32。
 Standard equipment:26# fourteen collets. One CBN wheel
 Standard grinding range:26# (φ13-φ26),optional:φ8-φ32



操作视频
Operation video



MR-G3 复合钻头研磨机

DRILL BIT SHARPENER

- G3复合型钻头研磨机，能刃磨钻头前切削刃（前角）、顶角（先端角）、后角（逃隙角）和倒后面，可调中心横刃大小，钻削轻松，排屑容易。
- 左侧修磨φ3-φ12直径范围的钻头，配置ER20筒夹。
- 右侧修磨φ12.1-φ26直径范围的钻头，配置ER40筒夹。
- G3 complex drill sharpener, can sharpen the drill's point thinning, point angle and lip relief angle, adjustable center chisel size, easy drilling and easy chip evacuation.
- Left side can grind the drill from 3mm to 12mm with the ER20 collets.
- Right side can grind the drill from 12.1mm to 26mm with the ER40 collets.

项目 Model	G3	
研磨范围 Grinding range	φ3-φ26(φ32)	
先端角 Point Angle	100(95°)-135°	
电源 Power	220V 50/60HZ	
马达 Motor	250W	
转速 Speed	4400RPM	
标准砂轮 Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)	
尺寸 Dimension	40×28×33cm	
重量 Weight	34kg	

注：标配筒夹：G3型24个；标配研磨范围：G3型φ3-φ26,选配φ32
 Standard equipment:G3# twenty-four collets;
 Standard grinding range: G3#φ3-φ26,optional:φ27-φ32
3mm以下不好定位 It is not easy to align the drill less than 3mm.



MR-V391美国原装
MR-V391made in USA



操作视频
Operation video

MR-26D 钻头研磨机

DRILL BIT SHARPENER



- 26D能刃磨钻头前切削刃（前角）、顶角（先端角）、后角（逃隙角）和倒后面，可调中心横刃大小，钻削轻松，排屑容易。
- 26D can sharpen the drill's point thinning, point angle and lip relief angle, adjustable center chisel size, easy drilling and easy chip evacuation.

项目 Model	26A/26D	
研磨范围 Grinding range	(φ8)φ13-φ26(φ32)	
先端角 Point angle	95°-135°	
电源 Power	220V 50/60HZ	
马达 Motor	250W	
转速 Speed	4400RPM	
标准砂轮 Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)	
尺寸 Dimension	49×25×26cm	
重量 Weight	30kg/31kg	

注：标配筒夹26型14个，标配CBN砂轮一个。
 标配研磨范围：26型φ13-φ26,选配φ8-φ32。
 Standard equipment:26# fourteen collets. One CBN wheel
 Standard grinding range:26# (φ13-φ26),optional:φ8-φ32



操作视频
Operation video



MR-13R 薄管钻头研磨机

THIN TUBE DRILL BIT SHARPENER

- 13R为多功能钻头研磨机，标配修磨普通麻花钻、薄管钻，更换砂轮可修磨其它样式的钻头，如薄板钻、台阶钻、埋头钻等。
- 13R能刃磨钻头顶角（先端角）、后角（逃隙角）和倒后面等，定位精确，钻削轻松，排屑容易。
- 13R is a multifunctional drill bit sharpener, standard can grind 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.

项目 Model	13R	
研磨范围 Grinding range	φ3-φ13	
先端角 Point Angle	90°-140°	
电源 Power	220V 50/60HZ	
马达 Motor	160W	
转速 Speed	4400RPM	
标准砂轮 Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)	
尺寸 Dimension	30×14.5×18cm	
重量 Weight	13kg	

注：标配筒夹13R型11个，标配CBN砂轮一个。标配研磨范围：φ3-φ13
 Standard equipment:13R# eleven collets, one CBN wheel.
 Standard grinding range:13R#(φ3-φ13)

3mm以下不好定位 It is not easy to align the drill less than 3mm.



操作视频
Operation video



13T型修磨效果图



阶梯钻专用砂轮
Stepped drill special wheel



操作视频
Operation video

MR-13T 阶梯钻头研磨机

STEP DRILL SHARPENER

- 13T为多功能钻头研磨机，主要修磨台阶钻（沉孔钻），更换研磨座和砂轮可修磨其它样式的钻头，如普通麻花钻、薄板钻、埋头钻、薄管钻等。
- 13T能刃磨钻头顶角（先端角）、后角（逃隙角）和倒后面，钻削轻松，排屑容易。
- 13T is a multifunctional drill sharpener, mainly grinding step drill (countersunk hole drill), replace the grinding seat and grinding wheel can be grinding other types of drill, such as ordinary twist drill, thin plate drill, countersunk drill, thin pipe drill, etc.
- 13T can sharpen the drill's point angle and lip relief angle, easy drilling and easy chip evacuation.

项目 Model	13T
研磨范围 Grinding Range	φ4-φ14
先端角 Point Angle	118°-140°
电源 Power	220v 50Hz
砂轮 Grinding wheel	CBN(HSS高速钢专用)或(or)SD(钨钢专用)
转速 Speed	4400RPM
尺寸 Dimension	32×22.5×23.5cm
重量 Weight	13kg

注：标配筒夹13T型11个；标配研磨范围φ4-φ14
Standard equipment:13T# eleven collets.
Standard grinding range:φ4-φ14.



操作视频
Operation video

MR-13Z 左钻研磨机

LEFT DRILL BIT SHARPENER

- 13Z为专利产品，主要修磨左旋麻花钻，能刃磨钻头顶角（先端角）、后角（逃隙角）和倒后面，钻削轻松，排屑容易。
- 13Z is a patent product, mainly sharpen left twist drill, it can grind the drill's point angle and lip relief angle, easy drilling and easy chip evacuation.

项目 Model	13Z
研磨范围 Grinding range	φ3-φ13
先端角 Point Angle	95°-135°
电源 Power	220V 50/60HZ
马达 Motor	120W
转速 Speed	4400RPM
标准砂轮 Grinding wheel	CBN(HSS高速钢专用)或 SD(钨钢专用)
尺寸 Dimension	32×18×19cm
重量 Weight	10kg

注：标配筒夹13Z型11个，标配CBN砂轮一个。标配研磨范围：φ3-φ13
Standard equipment:13Z#eleven collets, one CBN wheel.
Standard grinding range:13Z#(φ3-φ13)



13Q/26Q型修磨效果图



薄板钻专用砂轮
Sheet metal drill special wheel



操作视频
Operation video

MR-13Q/26Q 薄板钻头研磨机

SHEET METAL DRILL SHARPENER

- 13Q/26Q为多功能钻头研磨机，主要修磨薄板钻（三尖钻），更换研磨座和砂轮可修磨其它样式的钻头，如普通麻花钻、台阶钻、埋头钻、薄管钻、等。
- 13Q/26Q能刃磨定心角、后角（逃隙角）和倒后面，定心精确，钻削轻松。
- 13Q/26Q is a multifunctional drill sharpener, mainly grinding thin plate drill (three-point drill), replace the grinding seat and grinding wheel can be grinding other types of drill, such as ordinary twist drill, step drill, countersunk drill, thin pipe drill, etc.
- 13Q/26Q can sharpen centering angle, lip relief angle and back, accurate centering and easy drilling.

项目 Model	13Q	26Q
研磨范围 Grinding Range	φ4-φ14	φ13-φ30
先端角 Point Angle	118°-140°	118°-140°
电源 Power	220v 50Hz 180w	220v 50Hz 250w
砂轮 Grinding wheel	CBN(HSS高速钢专用)或(or)SD(钨钢专用)	
转速 Speed	4400RPM	
尺寸 Dimension	40×22.5×23.5cm	40×30×31cm
重量 Weight	13kg	28kg

注：标配筒夹13Q型11个；标配研磨范围φ4-φ14;26Q型18个，标配研磨范围26Q型φ13-φ30。
Standard equipment:13Q# eleven collets,26Q# eighteen collets.
Standard grinding range:13Q# (φ4-φ14),26Q# (φ13-φ30).



操作视频
Operation video

MR-Z20 钻头研磨机

DRILL BIT SHARPENER

- Z20产品能刃磨钻头先端角(顶角)和逃隙角（倒后角）。
- Z20 can grind the bit tip Angle (top Angle) and clearance Angle (back Angle).

项目 Model	20Z
研磨范围 Grinding range	φ3-φ20
先端角 Point Angle	100° (95°) -135°
电源 Power	220V 50/60HZ
马达 Motor	180W
转速 Speed	4400RPM
标准砂轮 Grinding wheel	CBN(HSS高速钢专用)或 SD(钨钢专用)
尺寸 Dimension	32×18×20cm
重量 Weight	17.27kg

注：标配筒夹20Z型18个，标配CBN砂轮一个。标配研磨范围：φ3-φ20
Standard equipment:20Z#eighteen collets, one CBN wheel.
Standard grinding range:20Z#(φ3-φ20)



MR-6A 小钻头研磨机

SMALL DRILL BIT SHARPENER

- MR-6A钻头研磨机自带高精度工业相机，用于钻头修磨的定位，在修磨后对钻头进行测量。可以修磨出带平面后角，具有多种横刃形式的自定心钻。修磨时有行程挡块控制，可保证钻头精度高，对称度好，不但穿透力强，而且钻头寿命长。
- 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 have the powerful penetrate, but also increase bit using time.

项目 Model	6A
研磨范围 Grinding range	φ0.8-φ6
先端角 Point Angle	90°-150°
电源 Power	220V 50HZ
马达 Motor	250W
转速 Speed	4400RPM
砂轮直径 Grinding wheel	CBN(HSS高速钢专用)或 SD(钨钢专用)
尺寸 Dimension	62×34×33cm
重量 Weight	40kg

注：标配筒夹6A型11个；标配研磨范围φ0.8-φ6
Standard equipment: 6A# eleven collets. Standard grinding range φ0.8-φ6



操作视频
Operation video



MR-X1 铣刀研磨机

END MILL SHARPENER

- X1能刃磨2刃、3刃、4刃的立铣刀，定制也可用钨棒直接开出端面刃口。
- X1能刃磨立铣刀的底刃、第一底刃后角、第二底刃后角、挖心角（底刃倒锥）、中心槽。
- X1 can grind 2 flute, 3 flute, 4 flute end mill, customized can also be used to directly open the end face edge.
- X1 can sharpen end mill bottom edge, the first bottom edge back angle, the second bottom edge back angle, core angle (bottom edge inverted cone), the center slot.

项目 Model	X1
研磨范围 Grinding range	φ4-φ14
电源 Power	220V 50/60HZ
马达 Motor	200W
转速 Speed	4400RPM
标准砂轮 Grinding wheel	CBN(HSS高速钢专用)或 SD(钨钢专用)
尺寸 Dimension	35×24×23cm
重量 Weight	15kg

注：标配筒夹X1型6个(4.6.8.10.12.14)；
Standard equipment: X1# six collets(4.6.8.10.12.14)；



操作视频
Operation video

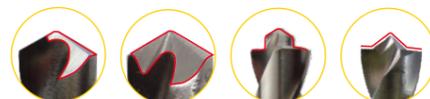


MR-60A/60B/80A/80B

万能钻头刃磨机 UNIVERSAL DRILL GRINDER

- MR-60A/60B型可刃磨φ3-φ60(φ80)各种标准麻花钻、平底钻、中心定位钻、阶梯钻、四面钻、木钻钻头。
- The MR-60A/60B can sharpen φ10(φ3) to φ60(φ80) all kinds of drills, such as standard twist drills, bottoming drills, multiple diameter drills, step drill four sides drill, wood drills, etc.

项目 Model	60A/60B/80A/80B
研磨范围 Grinding range	φ10(φ3)-φ60(φ80)
先端角 Point Angle	30°-180°
电源 Power	220V 50HZ
马达 Motor	500W
转速 Speed	2800RPM
砂轮直径 Grinding wheel	φ200mm
尺寸 Dimension	58×41×45cm
重量 Weight	136kg/142kg



操作视频
Operation video



MR-X3/X3A 铣刀研磨机

END MILL SHARPENER

- X3/X5能刃磨2刃、3刃、4刃的立铣刀，定制也可用钨棒直接开出端面刃口。可定制刃磨5刃。
- X3/X5能刃磨立铣刀的底刃、第一底刃后角、第二底刃后角、挖心角（底刃倒锥）、底刃前角、中心槽。挖心角可调范围为0°-3°。
- X3/X5 can sharpen 2-flute, 3-flute, 4-flute end mill, customized can also be used to directly open the end face cutting edge. 5-flute can be customized.
- X3/X5 can sharpen the bottom edge of the end mill, the first bottom edge back angle, the second bottom edge back angle, the center angle (bottom edge inverted cone), the front angle of the bottom edge, the center slot. The core Angle is adjustable from 0° to 3°.

项目 Model	X3/X3A	X5
研磨范围 Grinding range	φ4-φ14/φ20	φ12-φ30(φ32)
电源 Power	220V/200W	220V/250W
转速 Speed	4400RPM	4400RPM
标准砂轮 Grinding wheel	CBN(HSS高速钢专用)或 SD(钨钢专用)	
尺寸 Dimension	35×23×24cm	40×28×31cm
重量 Weight	15.3kg	27.3kg

标配筒夹X3型6个；X3A型9个；X5型10个；标配研磨范围X3型φ4-φ14，X3A型φ4-φ20 X5型φ12-φ30。
Standard equipment: X3# six collets; X3A# nine collets; X5# ten collets.
Standard grinding range: X3# φ4-φ14; X3A# φ4-φ20; X5# φ12-φ30



MR-X3A



MR-X5



操作视频
Operation video



MR-X3D/X3E 铣刀研磨机 END MILL SHARPENER

- X3D能刃磨2刃、3刃、4刃的立铣刀，定制也可用钨棒直接开端面刃口。可定制刃磨5刃，6刃。
- X3D can sharpen 2 flute, 3 flute, 4 flute end mill, customized can also be used to directly open the end face cutting edge. 5-flute can be customized, 6 flute can be customized.

项目	MODEL	X3D/X3E
研磨范围	Grinding range	φ4-φ12(φ20)
电源	Power	220V 50HZ
马达	Motor	200W
转速	Speed	4400rpm
标准砂轮	Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)
尺寸	Dimension	28.5×23×26.5cm
重量	Weight	12kg

标配筒夹X3D型5个(4、6、8、10、12);X3E型9个(4,6,8,10,12,14,16,18,20)
X3D# five collets(4、6、8、10、12); X3E# nine collets(4、6、8、10、12、14、16、18、20);



操作视频
Operation video



MR-AH12/20 铣刀研磨机 END MILL SHARPENER

- AH12/20能刃磨2刃、3刃、4刃的立铣刀，能刃磨立铣刀的底刃、第一底刃后角、第二底刃后角、挖心角(底刃倒锥)、中心槽。
- AH12/20 can sharpen 2 flute, 3 flute, 4 flute end mill, can sharpen the end mill bottom edge, first bottom edge back angle, second bottom edge back angle, core angle (bottom edge taper), center slot.

项目	MODEL	AH12/20
研磨范围	Grinding range	φ4-φ12
电源	Power	220V 50HZ
马达	Motor	200W
转速	Speed	4400rpm
标准砂轮	Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)
尺寸	Dimension	29×25×24cm
重量	Weight	6.5kg

注：标配筒夹AH12型5个(4、6、8、10、12);

Standard equipment: AH12# five collets(4、6、8、10、12);



操作视频
Operation video



MR-AS12 铣刀研磨机 END MILL SHARPENER

- AS12能刃磨2刃、3刃、4刃的立铣刀，能刃磨立铣刀的底刃、第一底刃后角、第二底刃后角、挖心角(底刃倒锥)、中心槽。
- AS12 can sharpen 2-flute, 3-flute, 4-flute end mill, can sharpen the end mill bottom edge, first bottom edge back angle, second bottom edge back angle, core angle (bottom edge inverted cone), center slot.

项目	MODEL	AS12
研磨范围	Grinding range	φ4-φ12
电源	Power	220V 50HZ
马达	Motor	600W
转速	Speed	6000rpm
标准砂轮	Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)
尺寸	Dimension	29×25×24cm
重量	Weight	6.5kg

注：A12锁紧套5个：4.6.8.10.12；夹头套9个：2刃、3刃、4刃各3个；

Standard equipment: A12# 5clamping holders: 4,6,8,10,12; 9 collet holders: 2-flute, 3-flute, 4-flute, each 3pcs;



操作视频
Operation video



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

- X6/X7能刃磨2刃、3刃、4刃立铣刀的底刃和侧刃，定制也可用钨棒直接开端面刃口。可定制刃磨5刃。
- X6/X7能刃磨立铣刀的底刃、第一底刃后角、第二底刃后角、挖心角(底刃倒锥)、底刃前角、中心槽和侧刃。挖心角可调范围为0°-3°。
- X6/X7 can be used to sharpen the bottom edge and side edge of 2 flute, 3-flute and 4-flute end mills. 5-flute can be customized.
- 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°.

项目	Model	X6	X7
研磨范围	Grinding range	φ4-φ14	φ12-φ30
电源	Power	220V/160W	220V/250W
转速	Speed	4400RPM	4400RPM
标准砂轮	Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)	CBN(HSS高速钢专用)或SD(钨钢专用)
尺寸	Dimension	51×25×31cm	56×32×38cm
重量	Weight	23kg	44kg

注：标配X6型ER20筒夹6个,20型5个;X7型ER40型10个。

X6:6 collets(ER20)+5 collets(20#);X7:10 collets(ER40).



MR-X7



操作视频
Operation video



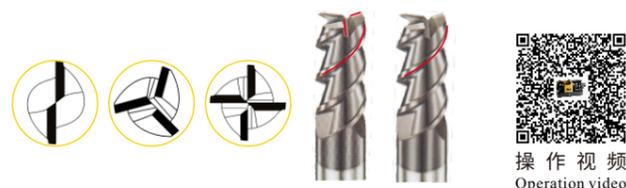
MR-X6A 螺旋铣刀研磨机

SPIRAL END MILL SHARPENER

- X6A能刃磨2刃、3刃、4刃立铣刀的底刃和侧刃，定制也可用钨棒直接开出端面刃口。可定制刃磨5刃。
- X6A能刃磨立铣刀的底刃、第一底刃后角、第二底刃后角、挖心角（底刃倒锥）、底刃前角、中心槽和侧刃。挖心角可调范围为0°-3°。
- X6A can be used to sharpen the bottom edge and side edge of 2 flute, 3-flute and 4-flute end mills. 5-flute can be customized.
- X6A 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°.

项目 Model	X6A
研磨范围 Grinding range	φ4-φ20
电源 Power	220V/160W
转速 Speed	4400RPM
标准砂轮 Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)
尺寸 Dimension	51×25×31cm
重量 Weight	25kg

注：标配X6A型ER20筒夹6个,ER25筒夹3个,20型8个;
X6A:6 collets(ER20)+3 collets(ER25)+8 collets(20#);



操作视频
Operation video



MR-X6R 圆鼻铣刀研磨机

CORNER RADIUS END MILL SHARPENER

- X6R能刃磨2刃、3刃、4刃的圆鼻铣刀，定制也可用钨棒直接开出端面刃口。可定制刃磨5刃。
- X6R能刃磨圆鼻铣刀的底刃、第一底刃后角、第二底刃后角、挖心角（底刃倒锥）、底刃前角、中心槽和圆鼻。挖心角可调范围为0°-3°。
- X6R修磨圆鼻铣刀圆弧R0.3, R0.5, R0.8, R1或R0.5, R1, 或R1.5, R2, 如有其它不一样大小的圆弧可定制砂轮。
- X6R can sharpen 2 flute, 3 flute, 4 flute round nose end mill, customized can also be used to directly open the end face cutting edge. 5 flute can be customized.
- X6R can sharpen the bottom edge of round nose end mill, the first bottom edge back angle, the second bottom edge back angle, the center angle (bottom edge inverted cone), the bottom edge front angle, the center groove and round nose. The core angle is adjustable from 0° to 3°.
- X6R grinding round nose end mill arc R0.3, R0.5, R0.8, R1 or R0.5, R1, or R1.5, R2, if there are other different sizes of arc can be customized grinding wheel.

项目 Model	X6R/X6RA
研磨范围 Grinding range	φ4-φ14(φ20)
圆弧大小 Arc size	R0.5, R1或R1.5, R2或R0.3, R0.5, R0.8, R1
电源 Power	220V 50HZ
马达 Motor	160W
转速 Speed	4400RPM
砂轮直径 Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)
尺寸 Dimension	41×24×30cm
重量 Weight	22kg

注：标配筒夹X6R型 6个,标配研磨范围φ4-φ14,另配附件可研磨φ4-φ20
X6R standard with 6 collets, grinding range is φ4 to φ14, choosing parts can grind φ4 to φ20.



操作视频
Operation video



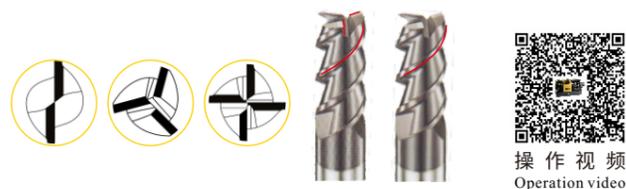
MR-X6B 铣刀侧刃研磨机

END MILL SIDE EDGE SHARPENER

- X6B型能修磨螺旋铣刀的侧刃。
- X6B can grind the side edge of spiral milling cutter.

项目 Model	X6B
研磨范围 Grinding range	φ6-φ14
电源 Power	220V/160W
转速 Speed	4400RPM
标准砂轮 Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)
尺寸 Dimension	40×25×25cm
重量 Weight	12.5kg

注：标配X6B型筒夹5个,标配研磨范围: φ6-φ14.
X6B:5 collets, grinding range is φ6 to φ14



操作视频
Operation video



MR-X8 球头铣刀研磨机

BALL NOSE END MILL SHARPENER

- 本机为修磨球头铣刀专用设备,能修磨各个角度。
- 研磨精准且快速,操作简单,无需技巧即可轻松研磨。
- 配置台湾师傅之制造钻石砂轮,角度精确,寿命长,节省成本,提高使用效益。
- 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.

项目 Model	X8
研磨范围 Grinding range	φ6-φ20
电源 Power	220V 50HZ
马达 Motor	250W
转速 Speed	4400RPM
砂轮直径 Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)
尺寸 Dimension	60×29×37cm
重量 Weight	40kg

注：标配筒夹X8型 8个;标配研磨范围φ6-φ20。
Standard equipment: X8# eight collets; Standard grinding range φ6-φ20.



操作视频
Operation video

MR-F4/F4A 铣刀·钻头复合机

COMPLEX SHARPENER OF MILL & DRILL



- F4为钻头铣刀复合机，能刃磨钻头前切削刃（前角）、顶角（先端角）、后角（逃隙角）和倒后面，可调中心横刀大小，钻削轻松，排屑容易。
- F4能刃磨2刃、3刃、4刃的立铣刀，定制也可用钨棒直接开出端面刃口。可定制刃磨5刃。
- F4能刃磨立铣刀的底刃、第一底刃后角、第二底刃后角、挖心角（底刃倒锥）、底刃前角、中心槽。挖心角可调范围为0°-3°。
- F4 is compound sharpener of drill & end mill, can sharpen the front cutting edge (front angle), top angle (tip angle), back angle (escape angle) and back of the drill bit. The size of the center blade can be adjusted to make drilling easy and chip removal easy.
- F4 can sharpen 2-flute, 3-flute, 4-flute end mill, customized can also be used to directly open the end face cutting edge. 5-flute can be customized.
- F4 can sharpen the end mill bottom edge, the first bottom edge back angle, the second bottom edge back angle, the center angle (bottom edge inverted cone), the bottom edge front angle, the center slot. The core angle is adjustable from 0° to 3°.

项目	Model	铣刀 End mill	钻头 Drill
研磨范围	Grinding range	φ4-φ14/φ4-φ20	φ3-φ14/φ3-φ14
先端角	Point Angle	0°~3°	95°~135°
电源	Power	220V 160W	
转速	Speed	4400RPM	
标准砂轮	Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)	
尺寸	Dimension	35×23×30cm	
重量	Weight	21kg	

标配配件：12个筒夹；标准研磨范围：铣刀部φ4-φ14，钻头部φ3-φ14；
Standard equipment: F4 twelve collets;
Standard grinding range: F4# END MILL φ4-φ14, DRILL φ3-φ14;



MR-F4A



操作视频
Operation video

MR-F6 铣刀·钻头复合机

COMPLEX SHARPENER OF MILL & DRILL



- F6为钻头铣刀复合机，能刃磨钻头前切削刃（前角）、顶角（先端角）、后角（逃隙角）和倒后面，可调中心横刀大小，钻削轻松，排屑容易。
- F6能刃磨2刃、3刃、4刃的立铣刀，定制也可用钨棒直接开出端面刃口。可定制刃磨5刃。
- F6能刃磨立铣刀的底刃、第一底刃后角、第二底刃后角、挖心角（底刃倒锥）、底刃前角、中心槽。挖心角可调范围为0°-3°。
- F6 is compound sharpener of drill & end mill, can sharpen the front cutting edge (front angle), top angle (tip angle), back angle (escape angle) and back of the drill bit. The size of the center blade can be adjusted to make drilling easy and chip removal easy.
- F6 can sharpen 2-flute, 3-flute, 4-flute end mill, customized can also be used to directly open the end face cutting edge. 5-flute can be customized.
- F6 can sharpen the end mill bottom edge, the first bottom edge back angle, the second bottom edge back angle, the center angle (bottom edge inverted cone), the bottom edge front angle, the center slot. The core angle is adjustable from 0° to 3°.

项目	Model	铣刀 End mill	钻头 Drill
研磨范围	Grinding range	φ12-φ30	φ13-φ30(φ32)
先端角	Point Angle	0°~3°	95°~135°
电源	Power	220V 250W	
转速	Speed	4400RPM	
标准砂轮	Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)	
尺寸	Dimension	45×34×38cm	
重量	Weight	47kg	

标配配件：19个筒夹；标准研磨范围：铣刀部 φ12-φ30，钻头部 φ13-φ30
Standard equipment: F6 nineteen collets.
Standard grinding range: F6# END MILL φ12-φ30, DRILL φ13-φ30



操作视频
Operation video



操作视频
Operation video

MR-Y3 丝攻研磨机

SCREW TAP SHARPENER

- Y3能刃磨3刃、4刃的直槽丝锥和先端丝锥，可定制刃磨5刃、6刃和左旋丝锥。
- Y3能刃磨丝锥导向角（先端角）和端面。
- Y3 can sharpen 3 flute, 4 flute straight groove taps and tip taps, can be customized to sharpen 5 flute, 6 flute and left hand taps.
- Y3 can sharpen the guide angle (tip angle) and end face of taps.

项目	Model	Y3
研磨范围	Grinding range	M5-M20
先端角	Point Angle	5°~30°
电源	Power	220V 50/60HZ
马达	Motor	160W
转速	Speed	4400RPM
标准砂轮	Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)
尺寸	Dimension	36×27×30.5cm
重量	Weight	13kg

注:标配配件: 6个筒夹(φ5-φ14); 柄φ14以内。标配研磨范围: M5-M20
Standard equipment: Y3 six collets(φ5-φ14); shank ≤φ14
Standard grinding range: Y3# M5-M20;

MR-Y3C/Y5C 丝攻研磨机

SCREW TAP SHARPENER

- Y3C/Y5C能刃磨3刃、4刃的直槽丝锥和先端丝锥，可定制刃磨5刃、6刃和左旋丝锥。
- Y3C/Y5C能刃磨丝锥导向角（先端角）、直槽或斜槽和端面。
- Y3C/Y5C can be used to grind straight groove taps and tip taps with 3 and 4 flute, and can be customized to sharpen 5 flute, 6 flute and left hand taps.
- Y3C/Y5C can sharpen the tap guide angle (tip angle), straight or chute and end face.

项目	Model	Y3C	Y5C
研磨直径	Grinding range	M5-M20	M16-M42
先端角	Point angle	5°~30°	5°~30°
电源	Power	220V 160W	220V 250W
转速	Speed	4400RPM	4400RPM
标准砂轮	Grinding wheel	CBN(HSS高速钢专用)或SD(钨钢专用)	
尺寸	Dimension	36×27×30.5cm	40×30×31cm
重量	Weight	16kg	27kg

注:标配配件:Y3C 6个筒夹(φ5-φ14); Y5C 9个筒夹(φ13-φ30); 柄φ14以内
标配研磨范围Y3C型 M5-M20, Y5C型 M16-M42 Y3C标配砂轮厚度3毫米。
Standard equipment: Y3C six collets(φ5-φ14); shank ≤φ14.
Y5C nine collets(φ13-φ30).
Standard grinding range: Y3C# M5-M20; Y5C# M16-M42
The thickness for the Y3C standard grinding wheel is 3mm.



MR-Y5C



操作视频
Operation video



MR-Y6B 螺旋丝攻研磨机

SPIRAL SCREW TAP SHARPENER

- Y6B为螺旋丝锥研磨机，能刃磨3刃、4刃的丝锥，可定制刃磨5刃、6刃和左旋丝锥。
- Y6B能刃磨丝锥导向角（先端角）、直槽、斜槽、螺旋槽、和端面。
- Y6B is a spiral tap sharpener, can sharpen 3 flute, 4 flute taps, can be customized to sharpen 5 flute, 6 flute and left hand taps.
- Y6B can sharpen tap guide angle (tip angle), straight groove, chute, spiral groove, and end face.

项目	Model	Y6B
研磨直径 Range		M5-M20
先端角 Point Angle		5° ~30°
电源 Power		220V 160W
回转速 Motor		4400rpm
标配砂轮 Grinding wheel		CBN(HSS高速钢专用)或(or)SD(钨钢专用)
包装尺寸 Dimension		48×30×33cm
重量 Weight		25kg

注：标配配件：Y6B 6个筒夹(φ5-φ14)；柄φ14以内。
 标配研磨范围：M5-M20(直槽丝攻)；M10-M20(螺旋槽丝攻)
 Standard equipment: Y6B six collets(φ5-φ14).shank ≤φ14
 Standard grinding range: M5-M20 (Flat tap); M10-M20 (Spiral tap).



操作视频
Operation video



MR-X4 切断研磨机

CUTTING MACHINE

- X4为切断各种刀具专用设备。
- X4 is the specialized machine for cutting the tools.

项目	Model	X4
研磨范围 Grinding range		φ4-φ14
电源 Power		220V 50/60HZ
马达 Motor		160W
转速 Speed		4400RPM
标准砂轮 Grinding wheel		CBN(HSS高速钢专用)或SD(钨钢专用)
尺寸 Dimension		35×23×27cm
重量 Weight		12kg

注：标配筒夹 X4型 11个,标配研磨范围φ4-φ14。
 Standard equipment:X4#eleven collets; Standard grinding range φ4-φ14.



操作视频
Operation video



MR-A5 丝攻钻头研磨机

COMPLEX SHARPENER OF tap & DRILL

- A5为钻头丝锥复合机，能刃磨钻头顶角（先端角）、后角（逃隙角）和倒后面，钻削轻松，排屑容易。
- A5能刃磨3刃、4刃的直槽丝锥和先端丝锥，可定制刃磨5刃、6刃和左旋丝锥。
- A5能刃磨丝锥导向角（先端角）、直槽或斜槽和端面。
- A5 is compound sharpener of drill & tap.It can sharpen the top angle (tip angle), back angle (escape angle) and back, easy drilling, easy chip removal.
- A5 can sharpen 3 flute, 4 flute straight groove taps and tip taps, can be customized to sharpen 5 flute, 6 flute and left hand taps.
- A5 can sharpen tap guide angle (tip angle), straight groove or chute and end face.

项目	Model	丝攻 Screw tap	钻头 Drill
研磨范围 Grinding range		M5-M20	φ4-φ14
先端角 Point angle		5°~30°	100°~135°/95°~135°
电源 Power		220V 160W	
转速 Speed		4400RPM	
标准砂轮 Grinding wheel		CBN(HSS高速钢专用)或 SD(钨钢专用)	
尺寸 Dimension		36×29.5×28cm	
重量 Weight		20kg	

标配配件:A5 12个筒夹(φ3-φ14)A5型 丝攻部 M5-M20, 钻头部 φ4-φ14, 柄φ14以内。
 Standard equipment: A5 twelve collets(φ3-φ14);
 Standard grinding range: TAPS: M5-M20, DRILL φ3-φ14,shank ≤φ14.



操作视频
Operation video



MR-13W 钨棒研磨机

TUNGSTEN BAR RE-SHARPENER

- 13W钨棒磨床，可调角度60°~90°（0°~180°），采用台湾砂轮，精度高，使用寿命长。
- 13W Tungsten bar grinder ,can adjust point angle from 60° to 90°(0°~180°),with diamond Grinding wheel. It is accurateand with long service life.

项目	Model	13W
研磨范围 Grinding range		φ4-φ14
先端角 Point Angle		60°~90°(0°~180°)
电源 Power		220V 50/60HZ
马达 Motor		160W
转速 Speed		4400RPM
标准砂轮 Grinding wheel		CBN(HSS高速钢专用)或SD(钨钢专用)
尺寸 Dimension		35×23×27cm
重量 Weight		12kg

注：标配筒夹 13W型 11个,标配研磨范围φ4-φ14。
 Standard equipment:13W#eleven collets; Standard grinding range φ4-φ14.



操作视频
Operation video



操作视频

MR-QZ5枪钻研磨机 GUN-DRILL GRINDER

- 结构紧凑，装夹方便合理，调整简单，加工省时(一次装夹完成全部角度的刃磨)，所加工的钻刃强度高，精度高。
- 研磨效果接近原厂效果，可根据打孔需求改变角度，节约使用成本，提高使用效率。
- 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.
- The grinding effect is close to the original factory effect, and the angle can be changed according to the requirement of drilling to save the use cost, improve the usage efficiency.

项目	Model	QZ5
研磨范围	Grinding range	φ5-φ22MM
主轴转速	Speed	2800rpm
电源	Power	AC380V 550W
左右行程	Right and left stroke	180mm
升降行程	Lifting stroke	105mm
包装尺寸	Dimension	44×34×44cm
重量	Weight	78kg



操作视频

MR-K2空心钻研磨机 CORE DRILL GRINDER

- 空心钻研磨机用最简单的方式来修磨钢板钻、空心钻，具有强大精确的构造、低消耗、符合人体工程学的设计、操作简单。
- Core drill grinder uses the easiest way to grind the steel plate drill and core drill. with the powerful and precise construction, low consumption, ergonomic design and easy operation.

项 目	Model	K2
磨头移动行程	Grinding Head Travel	70mm
中心钻夹具轴孔径	Hole Diameter of Center drill clamper	19.05mm
头架移动行程	headstock Travel	170mm
头架水平旋转	horizontal Rotation of the holder	0°-90°
头架垂直旋转	Vertical Rotation of the headstock	0°-90°
砂轮规格	Wheel Spec. (outer Dia.x Inner Hole)	φ125xφ25mm
砂轮回转速度	Rotary speed of the wheel	2800rpm
磨头电机功率	Motor Power of the grinding head	1/2HP 220V
净重/毛重	Gross Weight/Netto Weight	30kg/33kg
机械尺寸	Machine Size (L length X Width X Height)	410x275x280mm
包装尺寸	Packing Size (Length X Width X Height)	500x350x320mm

MR-12A/16A/20A/24A/30A/36A/48A 折臂电动攻丝机 ELECTRIC TAPPING MACHINE



垂直头
Vertical



万向头
Universal



磁性底座
Magnetic Seat



升降攻丝机
Lifting arm tapping machine



工作台(以实物为准)
Table



操作视频
Operation video

- 适用于各种机械及模具、汽配的螺纹攻丝。
- 伺服电机与行星减速机输出扭力强大，扭矩恒定，转速为无极调速，调节范围大，根据不同材料与加工不同大小螺纹选择不同机型。
- 双重保护不断丝锥，自动显示扭矩与螺距，不需要人工设定，效率是传统设备的50-100倍。
- 本机采用三种模式攻丝：可选择自动模式也可选择手动模式与深孔模式。
- 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.

项 目	Model	12	16	20	24	30	36	48
攻丝范围	Tapping range	M2-M12	M3-M16	M3-M20	M6-M24	M6-M30	M6-M36	M12-M48
输入电压	Voltage	220V	220V	220V	220V	220V	220V	220V
电机功率	Power	600W	600W	600W	1200W	1200W	1200W	1200W
转速	speed	0-1000rpm	0-312rpm(无极)	0-250rpm	0-200rpm	0-200rpm	0-150rpm	0-90-200rpm
水平伸展范围	horizontal stretch	1100mm	1100mm	1100mm	1100mm	1100mm	1100mm	1300mm
垂直伸展范围	Vertical stretch	380mm可调	380mm可调	380mm可调	380mm可调	520mm可调	520mm可调	750mm可调
控制面板	Control plate	触屏/按键	触屏/按键	触屏/按键	触屏/按键	触屏/按键	触屏/按键	触屏/按键
净重	G.W.	27kg	32kg	32kg	50kg	50kg	50kg	132kg

MR-12B/16B/20B/24B/30B/36B/48B

折臂电动攻丝机 *ELECTRIC TAPPING MACHINE*



垂直头 Vertical
万向头 Universal
磁性底座 Magnetic Seat



工作台(以实物为准)
Table



操作视频
Operation video

- 适用于各种机械及模具、汽配的螺纹攻丝。
- 伺服电机与行星减速机输出扭力强大，扭矩恒定，转速为无极调速，调节范围大，根据不同材料与加工不同大小螺纹选择不同机型。
- 双重保护不断丝锥，自动显示扭矩与螺距，不需要人工设定，效率是传统设备的50-100倍。
- 本机采用三种模式攻丝：可选择自动模式也可选择手动模式与深孔模式。
- 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.

项目	Model	12	16	20	24	30	36	48
攻丝范围	Tapping range	M2-M12	M3-M16	M3-M20	M6-M24	M6-M30	M6-M36	M12-M48
输入电压	Voltage	220V	220V	220V	220V	220V	220V	220V
电机功率	Power	600W	600W	600W	1200W	1200W	1200W	1200W
转速	speed	0-1000rpm	0-312rpm(无极)	0-250rpm	0-200rpm	0-200rpm	0-150rpm	0-90-200rpm
水平伸展范围	horizontal stretch	1100mm	1100mm	1100mm	1100mm	1100mm	1100mm	1300mm
垂直伸展范围	Vertical stretch	380mm可调	380mm可调	380mm可调	380mm可调	520mm可调	520mm可调	750mm可调
控制面板	Control plate	触屏/按键	触屏/按键	触屏/按键	触屏/按键	触屏/按键	触屏/按键	触屏/按键
净重	G.W.	27kg	27kg	27kg	43kg	43kg	43kg	130kg

MR-12C/16C/20C/24C/30C/36C

折臂电动攻丝机 *ELECTRIC TAPPING MACHINE*



垂直头 Vertical
万向头 Universal
磁性底座 Magnetic Seat



工作台(以实物为准)
Table



操作视频
Operation video

- 采用最新伺服控制技术，通过机电一体化集成设计，提升智能电动攻丝机动力引擎功率。
- 采用6000转业界领先的高速电机，提升工作效率。
- 新增智能阻力功能，优化了扭矩保护功能，双重保护不断丝锥。
- 本机采用三种模式攻丝：可选择自动模式也可选择手动模式与深孔模式，自动模式下特别适合攻盲孔，攻丝到设定深度时，自动退回，手动模式下，可设定深度，攻丝到设定深度自动停止。
- Adopt the latest servo control technology, through the mechatronics integration design, improve the power of the intelligent electric tapping machine power engine.
- Adopt 6000 leading high speed motor to improve work efficiency.
- New intelligent resistance function, optimized torque protection function, double protect tap.
- The machine adopts three tapping modes: automatic mode, manual mode and deep hole mode, automatic mode is especially suitable for tapping blind hole, tapping to the set depth, automatic return, In manual mode, depth can be set, tapping to the set depth automatically stop.

项目	Model	12	16	20	24	30	36
攻丝范围	Tapping range	M2-M12	M3-M16	M3-M20	M6-M24	M6-M30	M6-M36
输入功率	Power	1000W	1000W	1000W	1800W	1800W	1800W
转速	speed	201-875rpm	64-375rpm	50-300rpm	50-300rpm	40-240rpm	32-187rpm
工作半径	Working radius	1100mm	1100mm	1100mm	1200mm	1200mm	1200mm
筒夹	Collet	7只	8只	9只	8只	9只	11只

悬臂式钻攻一体机

CANTILEVER DRILLING AND TAPPING INTEGRATED MACHINE



工作台(以实物为准)
Table



操作视频
Operation video

- 电动伺服悬臂式钻攻一体机适用于各种机械及模具、汽配的钻孔和攻丝。
- 整机采用悬浮机械手方式,实现钻孔、攻丝一体互换,灵活、方便。
- 操作界面采用触屏式操作使钻孔攻丝更简单、方便,任何普工都可操作。
- 本机采用悬臂钻攻一体,指哪里打哪里,快速便捷,替代市场现有钻和攻产品,填补国内外空白。
- 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.

钻孔能力	Drilling range	φ3-φ16
钻孔速度	Drilling speed	1300
攻丝范围	Tapping range	M5-M20
夹头数量	Collet Qty	7个
工作方式	Working tpe	垂直 Vertical
工作深度	Working depth	80(mm)
工作高度	Working height	400(mm)
夹头规格	Collet	M 5 - M 2 0
工作半径	Working radius	850mm
最大转速	Max.speed	315rpm
可否定制	Customized	否
工作电压	Voltage	220V
额定功率	Power	1000W
设备重量	Weight	270KG左右



钻攻互换柄体

攻丝夹头

机床附件

MR-3500/5000

空心钻磁座钻MAGNETIC DRILL MACHINE



- 磁座钻机适用于钢结构钻探、运输建筑、造纸、桥梁施工、机械设备安装、钢结构工程、地铁施工设备维护及管道工程。
- 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.

项 目	Model	3500	5000
钻孔直径	Drill hole diameter	35mm	50mm
额定电压	Voltage	110/220v	110/220v
额定频率	Frequency	50-60HZ	50-60HZ
额定输入功率	Power	1500W	1650W
最大吸力	Max. attraction	14000N	15500N
空载转速	No-load speed	800rpm	570rpm
切削深度	Depth of drilling	30mm	40mm
行程	Max. travel	120mm	190mm
包装尺寸	Packing size	58x17x38cm	44.5x16.5x34.5cm
净/毛重量	N.W/G.W	10.25/15kg	10.25/15kg

钻攻一体
Drilling tapping

MR-D13/16/23/28

多功能磁座钻MAGNETIC DRILL MACHINE



MR-B13/16/23/28

- 磁座钻机适用于钢结构钻探、运输建筑、造纸、桥梁施工、机械设备安装、钢结构工程、地铁施工设备维护及管道工程。
- 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.

项 目	Model	13	16	23	28
麻花钻	Twist drill	13mm	16mm	23mm	28mm
攻丝直径	Tapping diameter	M8	M10	M14	M24
额定电压	Voltage	110/220v	110/220v	110/220v	110/220v
额定频率	Frequency	50-60HZ	50-60HZ	50-60HZ	50-60HZ
额定输入功率	Power	1150W	1380W	1400W	1680W
最大吸力	Max. attraction	11000N	11500N	16500N	18800N
空载转速	No-load speed	800rpm	670rpm	470rpm	340rpm
切削深度	Depth of drilling	30mm	30mm	40mm	50mm
行程	Max. travel	120mm	120mm	180mm	200mm
包装尺寸	Packing size	34.5x14.5x33.5cm	34.5x14.5x33.5cm	44.5x16.5x34.5cm	44.5x16.5x34.5cm
净/毛重量	N.W/G.W	10/12kg	11/13kg	18/20kg	19.5/21.5kg



MR-1300B



操作视频
Operation video

MR-500B/1300B 电火花机

ELECTRIC DISCHARGE MACHINES

- 主要用于无损、快速去除折断在工件中的丝锥(M2-M30)、钻头、铰刀、螺钉等工具，可在淬硬钢、硬质合金等任意金属材料上加工无严格精度要求的小孔(线切割穿孔)或标记。
- 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, kentanum and other metal materials to do the holes or marks that need no accuracy.

项目	Model	500B	1300B
夹持直径	Electrode chuck	0.8-10mm	0.8-10mm
机头最大行程	Max. head travel	60mm	70mm
电压	Voltage	220V/50Hz/500W	220V/50Hz/1500W
功率	Power	500W	1500W
重量	Weight	16kg	20kg



操作视频
Operation video

内外径研磨机

inside and outside diameter grinder

- 适合冲针冲头、喷嘴、微小芯轴、相关零组件微小外径研磨。
- Suitable for needle punch, nozzle, small mandrel, small outside diameter grinding related components.

项目	Model	
前后最大行程	Maximum front and rear stroke	40mm
外径加工行程	Outside diameter machining stroke	Φ0.3~25
左右行程	Left and right stroke	70mm
机械尺寸	Machine size	600X560X1520
可夹持直径	Clampable diameter	Φ1-25
毛重	Weight	380KG



BT40



操作视频
Operation video

BT30/BT40/BT50

动力头 POWER HEAD

- 高精度、高刚性、稳定性好，外形美观;产品可配置数控、手动、油压方式。
- High precision, high rigidity, good stability, beautiful appearance; The product can be configured with CNC, manual, hydraulic mode.

项目	Model	BT30	BT40	BT50
主轴锥度	Spindle taper	NT30/MT3	NT40/MT4	NT50/MT5
轴承	Bearing	32207/ 6207 32207/ 6207	32210/ 621032209/ 6209	7216AC/ DB 6213×2
最高转速	Speed	3000r/min	2500r/min	2000r/min
包装尺寸	Dimension	44×20×17cm	51×22×19cm	63×28×25cm
净重/毛重	Weight	28/24kg	42/37kg	99/93kg



操作视频
Operation video

MR-20W/30W 激光打标机

LASER MARKING MACHINE

- 采用打标及旋转工作台共用一套软件，是目前国内比较好的打标软件之一。能非常轻松地对任何文字图案进行编辑，对具有一定计算机基础的使用者，30分钟即可以熟练掌握。
- The marking and rotating table share a set of software, is one of the best marking software in China. It is very easy to edit any text pattern, and users with a certain computer foundation can master it in 30 minutes.

项目	Model	20W
重复精度	Repeatability	0.003mm
输出功率	Output power	20W/30W/50W
脉冲宽度	Pulse width	100NS
光线质量M2	Light quality M2	<1.1
最小线宽	Minimum line width	0.03mm
调制频率HZ	Modulation frequency HZ	0-80
最小字符	Minimum character	0.5mm
雕刻深度	Engraving depth	≤0.2≤0.3≤0.5
激光波长	Laser wavelength	1064nm
电力要求	Power requirements	200V 50HZ
整机功率	Overall power	<220V<250V<450V
冷却方式	cooling mode	冷风
打标范围	Marking range	110mm*110mm可定制

MR-R900H 滑轨复合倒角机

COMPLEX CHAMFER



R2/R3刀头



操作视频
Operation video

■R900H高速导轨复合倒角机能加工产品的直线还是曲线（如外圆，内孔，腰形孔）和不规则的内外腔棱的倒角，可替代数控加工中心，普通机床无法加工的零件倒角。直边，圆弧倒角及不规则曲线倒角均可在一台机器上完成，具有一机多用的功能。广泛用于模具制造，五金机械，机床制造，液压零件，阀类制造，纺织机械的倒角及去除刨等加工方式产生的毛刺。倒角加工尺寸0-3mm可调节。导轨倒角机采用“导轨”方式对工件经过磨床加工过的板面为“零”刮伤及铜、铝金属等转位刀片的高速切削来保证尺寸的准确，光滑，效率高（线速度是普通加工方式的数倍），批量加工零件企业使用。被加工件表面光洁度高。

■900H high-speed rail compound chamfering machine whether processed products is a straight line or curve (such as cylindrical, inner hole, the waist shape hole) and irregular cavity edge chamfer, alternative CNC processing center, ordinary chamfering machine tool set will not be able to process the parts. Straight Angle, arc chamfering and chamfering irregular curve can be completed in one machine, has the function of multi-usage. Widely used in mould making, hardware machinery, machine tool manufacturing, hydraulic parts, valve manufacturing, textile mechanical chamfering and the burr removal of gear, such as processing way Chamfering processing size 0 to 3 mm is adjustable. Guide chamfering machine adopts the mode of "guide" the workpiece after grinding machine processing of the panels are "zero" scratch and copper, aluminum metal transfer to guarantee the accuracy of the size of the high speed cutting blade, smooth, high efficiency (linear velocity is common processing ways several times), in batch processing parts enterprises to use. High surface finish of work piece.

项目	Model	R900H
倒角范围	Chamfering range	0-6mm(铜铝)R2, R3; 0-3(4)mm(曲线部) R2, R3
倒角角度	Chamfering angle	45°
电源	Power	220V/380V 50Hz
马达	Motor	750W
转速	Speed	7500rpm(直线部); 10000rpm(曲线部)
尺寸	Dimension	52×60×60cm
重量	Weight	62kg

备注：倒角进刀量每次保持1-2mm为佳，工件厚度在3mm以上。

Notice: It is better to keep the amount of chamfering feed at 1-2mm each time, and the thickness of the workpiece should be above 3mm.

迷你气动倒角机

PORTABLE CHAMFER

■根据人体工学设计的一款合手的小型倒角机，具有小巧，便捷使用简单方便等特点。可在同一工件上，对不同不规则的各种内外角进行倒角。

■A small chamfering machine designed according to ergonomics, with compact and convenient simple and convenient to use and so on. On the same workpiece, various internal and outside corners are chamfered.



操作视频
Operation video

项目	Model	气动倒角机
倒角范围	Chamfering range	C0.1-C1.5 R1.5 (选配R角刀片)
可调深度	Adjustable depth	0.1-0.9MM
空载转速	No-load speed	30000rpm
倒角孔径	Chamfer aperture	>7mm
进气接头	Intake connector	1/4"
尺寸	Dimension	158×48×58mm
重量	Weight	0.44KG

MR-R200/R200A 手提强力倒角机

PORTABLE CHAMFER

■本机适用于任何长度，未经热处理的机械零件制造、模架等不易移动的重工件。携带方便、省时。

■标准四方刃钨钢(硬质合金)刀片4130511更换更简单。

■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).



MR-R200A



操作视频
Operation video

项目	Model	R200/R200A
倒角范围	Chamfering range	0-3(6)mm / 0-3(9)mm
倒角角度	Chamfering angle	15°-45°
电源	Power	380V
马达	Motor	550W/750W
转速	Speed	2800RPM/3000-6000rpm
尺寸	Dimension	38×24×24.5cm
重量	Weight	13kg

注：一次性最大倒角范围2-3mm。

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



操作视频
Operation video

MR-R300 侧面倒角机 SIDE CHAMFER

- 本机适用未经热处理之工件,如各种模具、机械零件制造的倒角。
- Applying to non-heat treatment workpiece for such as various mould, part of machine's chamfer.

项目	Model	R300
倒角范围	Chamfering range	0-3(6)mm
倒角角度	Chamfering angle	15°-45°
电源	Power	380V
马达	Motor	550W
转速	Speed	2800RPM
尺寸	Dimension	53.5×38.5×30cm
重量	Weight	38kg



R300型: 15°-45°直边倒角
Chamfer straight line 15°-45°



操作视频
Operation video

MR-R500 砂轮倒角机 Grinding Wheel Chamfer

- 本机适用热处理之工件,如各种模具、机械零件制造的倒角。
- R500 Adopting the grinding wheel, suitable for heat treatment of workpiece.

项目	Model	R500
倒角范围	Chamfering range	0-3mm
电源	Power	380V
马达	Motor	550W
转速	Speed	2800rpm
尺寸	Dimension	53×42×39cm
重量	Weight	36kg



MR-R700E



操作视频
Operation video

MR-R900E 滑轨复合倒角机 COMPLEX CHAMFER

- R900E高速导轨复合倒角机能加工产品的直线还是曲线(如外圆,内孔,腰形孔)和不规则的内外腔棱的倒角,可替代数控加工中心,普通机床无法加工的零件倒角。直边,圆弧倒角及不规则曲线倒角均可在一台机器上完成,具有一机多用的功能。
- 倒角加工尺寸0-3mm可调节。批量加工零件企业使用,被加工件表面光洁度高。
- 900E high-speed rail compound chamfering machine whether processed products is a straight line or curve (such as cylindrical, inner hole, the waist shape hole) and irregular cavity edge chamfer, alternative CNC processing center, ordinary chamfering machine tool set will not be able to process the parts. Straight Angle, arc chamfering and chamfering irregular curve can be completed in one machine has the function of multi-usage.
- such as processing way Chamfering processing size 0 to 3 mm is adjustable. High surface finish of work piece.

项目	Model	R900E
倒角范围	Chamfering range	0-6mm(铜铝)R2, R3; 0-3(4)mm(曲线部) R2, R3
倒角角度	Chamfering angle	45°
电源	Power	220V/380V 50Hz
马达	Motor	550W
转速	Speed	7500rpm(直线部); 10000rpm(曲线部)
尺寸	Dimension	52×60×60cm
重量	Weight	62kg

注: 加工工件厚度在5mm以上。



MR-R700B



操作视频
Operation video

MR-R700H 滑轨倒角机 SLIDE RAIL CHAMFER

- MR-R700H高速直线滑轨倒角机是一种新型、高效的台式倒角专用设备,可以对金属零件的直线边进行高速倒角,去除毛刺或坡口加工。主要应用于机械加工、模具制造、液压阀头和造船等行业的已加工零件的倒角。
- MR-R700H high speed straight line slide chamfering machine is a new type of high efficiency table chamfering special equipment, can be used for high speed chamfering of the straight edge of metal parts, burr removal or crack processing. It is mainly used for chamfering machined parts in machining, mold making, hydraulic valve head and shipbuilding industries.

项目	Model	R700H	R700B
倒角范围	Chamfering range	0-3(5)mm	0-3mm
倒角角度	Chamfering angle	45°	15°-45°
滑轨行程	Slide rail travel	320mm/250mm	
电源	Power	220V/380V 50Hz	
马达	Motor	550W	
转速	Speed	7500rpm/min	
净重/毛重	Weight	71kg/91kg	

备注: 进刀磨削量每次保持2mm为佳。

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



MR-R800B 复合倒角机 COMPLEX CHAMFER

- 无论加工产品是直线还是曲线(外圆、内孔、腰形孔)均可轻松倒角。直线部能作15°~45°调整。
- It's suitable for regular and irregular parts of mechanism or mould. The angle of straight line part can be adjust from 15 degree to 45 degree.

项目 Model	R800B	
倒角范围 Chamfering range	直线部0-3mm(Straight)	曲线部0-2.5mm
倒角角度 Chamfering angle	直线部(Straight)15°-45°	曲线部45°(Curved)
电源 Power	380V	
马达 Motor	750W	
转速 Speed	直线部7500rpm	曲线部12000rpm
尺寸 Dimension	53×44×69cm	
重量 Weight	68kg	

注：机器采用瑞典SKF轴承，进口数控刀片。
The machine adopt Swedish SKF bearing and imported cnc blade.



MR-R700



操作视频
Operation video



SKF-15 坡口倒角机 Beveling Machine

- SKF-15型倒角机专为板材坡口、倒角而设计，是一台方便、灵巧的机器。可以用于焊接前等方面金属板材的去毛刺和倒角加工，本机使用简单、安全，适用于钢材、铸铁、硬质塑料、有色金属等材料。
- 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.

项目 Model	SKF-15	
最大刀刃切削宽度 Maximum cutting edge width	0-15mm (可调)	
倒角角度 Chamfering angle	30-60° (可调)	
旋转速度 Rotation speed	2870 r/min	
电源 Power	380V/1.1KW	
重量 Weight	18KG	

附带工具：Φ66mm蝶形铣刀盘二个，每个有6片高速碳钢嵌入式铣刀片。
The supplementary tools: two Φ66mm milling cutter, each has 6 high speed carbon steel embedded milling cutter blades



管子坡口倒角机
Pipe Beveling Machine



操作视频
Operation video



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

- 无需磨数板，能够自动拨齿、无节调速、快捷精准。亦可修磨锯齿及齿形，修磨性能好，平稳，高效。
- Q10可修磨范围φ60-φ350。
- 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.
- Q10 without the modulus plate, can grind the saw blades of φ60 to φ350.

项目 Model	Q10	
锯片直径 Saw blade dia.	φ60-φ350(φ400)	
刀磨速度 Grinding speed	40-60teeth/min	
电源 Voltage	220V	
转速 Grinding speed	4400rpm	
功率 Power	250W 60W(T)	
尺寸 Dimension	65×65×44cm	
重量 Weight	59kg	



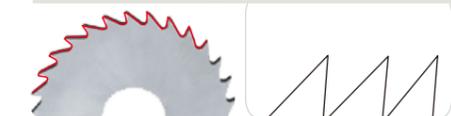
操作视频
Operation video



MR-Q5 锯片磨齿机 SAW BLADE SHARPENER

- 准确定位、高速复合可对硬质合金、白钢锯片进行修磨。能够自动拨齿、无节调速、快捷精准。
- Q5为锯片磨齿机，电机能上下转动，可修磨锯片前后角(又称无毛刺锯片研磨机)。
- Q12包含Q5之功能，可修磨范围φ60-φ250
- 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).
- Q12 includes the function of Q15, it can grind φ60 to φ250.

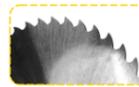
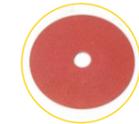
项目 Model	Q5	
锯片直径	φ25-φ300	
刀片安装孔径	φ16、φ22、φ27、φ32	
主电机功率	0.75KW n=2820转/分钟	
进刀电机功率	90W 无级调速n=0-90转/分钟	
尺寸	65×65×105cm	
重量 Weight	106kg	



MR-Q12



操作视频
Operation video



操作视频
Operation video

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

- S450可轻松调整锯齿的切削角,背隙角,齿深及齿距,快而准确的研磨出锋利的锯片。砂轮可以上下摆动,不用更换砂轮,即可研磨出倒角。
- 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.

项目 Model	S450
锯片直径 Saw blade dia.	φ50-φ450
进给速度 Speed	45-180齿/分钟(teeth/min)
齿距/齿深 Teeth space Thooth deth	最大(max) 28mm 最深(deepest) 8mm
切削角 Cutting angle	0°-30°
锯片厚度 Saw thickness	最厚(thickest) 8mm
外型尺寸 Dimension	132×80×80cm
重量 Weight	130kg



齿型A
Type A 可研磨切铜管、铝管；
齿型B
Type B 可研磨一般圆弧齿。
Type A can grind the saw blade that cut copper and aluminum pipe;
Type B can grind the ordinary circle-arc saw blade.



操作视频
Operation video

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

- 可磨削各种数控刀片,机夹刀片,焊接车刀,镗刀等各种刀具修磨及开槽。是一种替代传统手工磨削的理想磨刀工具。
- 工作台采用高精交叉滚子导轨,床台平稳,操作轻巧。
- 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 platform, dexterou operation.

项目 Model	M3
圆弧角度 Arc angle	R0.2-R10
电源 Power	380V 50/60HZ
左右行程 About worktable diameter	140mm
转速 Speed	2800RPM
砂轮 Grinding wheel	φ125×50×φ32
外形尺寸 Dimension	44×34×44cm
重量 Weight	78kg

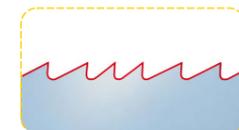


操作视频
Operation video

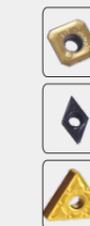
MR-S380 带锯条磨齿机 BAND SAW BLADE SHARPENER

- 可精密修磨各种细木工带锯条、双金属带锯条、硬质合金带锯条等。
- MR-S380可修磨各种2/3、3/4、4/6等变齿(齿尖)带锯条,一机多用的新型多功能磨齿设备。
- 具有自动定时功能。
- 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.
- With automatic timing function.

项目 Model	S380
锯条宽度 Saw blade width	16-45mm(定制60mm)
锯条齿距 Teeth space	3-30mm
刀磨速度 Teeth speed	40-60teeth/min
砂轮直径 Crinding wheel	150mm
功率/转速 Power/Speed	380V/220V/550W/2800rpm
外型尺寸 Dimension	60×50×100cm
重量 Weight	110kg



外径150mm,内孔32mm
厚度10mm,碟片砂轮
φ150×φ32×(10T)mm



操作视频
Operation video

MR-M4 PCD·CBN数控刀片磨刀机 PCD·CBN BLADE GRINDER

- M4机床使用相机对刃磨刀具进行检测,利用专设的分划板,可对刀具的长度、角度及(R0.05-R2.4)的任意圆弧半径进行在线检测。
- 该机结构强度高、磨削稳定性好。
- The M4 machine uses camera to detect the cutting tool, uses the specially designed dividing plate, detect the length, angle of the (R0.05-R2.4) arbitrary arc radius of the cutting tool.
- The machine has high structure strength and good grinding stability.

项目 Model	M4
刀高范围 Tool height range	5-30mm
刀尖圆弧 Tool circular profile angle	R0.05-R2.4
刀具前后角 Tool rake and relief angle	0°~25°
刀尖角 Tool include angle	35°≤α≤180°
电 源 Power	380V/550W
砂轮转速 Speed	7600rpm
标配砂轮 Grinding wheel	陶瓷砂轮
机器尺寸 Dimension	56×60×80cm
重 量 Weight	150kg



MR-600F 万能工具磨床 UNIVERSAL TOOL GRINDER

- 600型工作台采用燕尾导轨,刚性好,600F型采用高精度双直线导轨床台平稳,往复运动轻巧。6025型可磨内外圆。
- 600F标配可研磨键槽铣刀、三面刃铣刀、车刀、滚齿刀、铰刀等。
- 选配50E可研磨螺旋铣刀、球头铣刀。
- 选配50K可研磨钻头、丝攻等刀具。
- 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.



操作视频
Operation video



万能工具磨床6025
6025 Universal tool grinder



50E螺旋·球头铣刀研磨器
50E Spiral mill·ball cutter grinder

- 标准研磨能力: $\phi 6-\phi 25$ 可修磨端铣刀刀口、端铣刀刀刃、R型铣刀、R型车刀、雕刻刀及各式锥度铣刀。
- Standard grinding range: $\phi 6-\phi 25$ can grind end mill, ball cutter, R-type lathe tool, graver and other taper milling cutter.



50K钻头·丝攻研磨器
50K Drill bit·screw tap grinder

- 研磨能力: $\phi 3-\phi 32$ 可修磨钻头、螺丝攻、端铣刀口、侧铣刀、圆棒等刀具。
- Standard grinding range: $\phi 3-\phi 32$ can grind drill bit, screw tap, side mill, round bar and so on.



50D端铣刀研磨器
50D End-milling cutter grinder

- 研磨能力: $\phi 3-\phi 25$ 可修磨端铣刀刀口、端铣刀刀刃、侧铣刀等刀具。
- Grinding range: $\phi 3-\phi 25$ can grind end mill, side mill and so on.



工具箱50B
Toolbox 50B

顶针50J
Centre 50J

高速磨头
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	
工作台面积 Worktable area	130×550mm	130×675mm
砂轮尺寸 Grinding wheel size	$\phi 125 \times 50 \times \phi 32$ mm	$\phi 150 \times 16 \times \phi 32$ mm
转速 Speed	2800RPM	5000RPM
马达 Motor	3/4HP 200V/380V	
尺寸 Dimension	70×63×63cm	73×71×72cm
毛重/净重 Weight	168kg/160kg	209kg/222kg



MR-20A



操作视频
Operation video

MR-U2 万能磨刀机 UNIVERSAL CUTTER GRINDER

- 万能磨刀机是电脑雕刻机和刻磨铣床必备设备。
- U2万能磨刀机有刃磨钻头、车刀、球头立铣刀的功能和装置,夹持最大直径可达 $\phi 16$ 。
- 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: $\phi 16$ mm

项目 Model	U2
夹头直径 Collet diameter	$\phi 3-\phi 16$
电源 Power	220V/380V 1/3HP 50HZ
转速 Speed	5300RPM
砂轮尺寸 Grinding wheel	$\phi 100 \times 50 \times \phi 20$
尺寸 Dimension	45×35×34cm
重量 Weight	51kg

MR-U3 万能磨刀机 UNIVERSAL CUTTER GRINDER

- 万能磨刀机是电脑雕刻机和刻磨铣床必备设备。
- U3万能磨刀机有刃磨钻头、车刀、球头立铣刀的功能和装置,夹持最大直径可达 $\phi 16$ 。
- 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: $\phi 16$ mm

项目 Model	U3
夹头直径 Collet diameter	$\phi 3-\phi 16$
电源 Power	220V/380V 1/3HP 50HZ
转速 Speed	5300RPM
砂轮尺寸 Grinding wheel	$\phi 100 \times 50 \times \phi 20$
尺寸 Dimension	45×35×34cm
重量 Weight	52kg

注: U3标配筒夹5个,含三套附件。
U3 standard wit 5 collets, includes the three attachments.



车刀
Lathe tool

球头铣刀
Ball cutter

钻头
Drill bit



操作视频
Operation video

数控分度盘

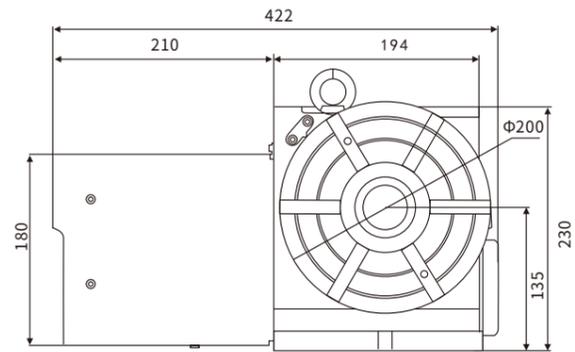
CNC dividing head



MR-200四轴CNC旋转分度盘

特性/FEATURES:

- SKR系列数控立卧回转工作台是各类数控铣床和加工中心的关键配套附件。可分别以立式和水平式两种方式安装在主机工作台上。工作时，利用主机的控制系统或专门的控制系统，完成与主机相协调和各种必须的分度回转运动。工作台上除了可安装板，盘或其他形状较复杂的被加工零部件外，也可利用主轴内大直径贯穿孔安装气（液）动弹夹头或动力卡盘，对长轴类零部件进行加工，实现等分，不等分的连续的孔槽，曲面的加工，且达到较高精度。
- 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. Beside the mounting plate, disc or other complex shape of parts to be processed on the table, it can also use the spindle diameter through hole to install gas (liquid) chuck or power chuck, and to do process on the long axis parts, then achieve equal and unequal holes, surface processing, and achieve high precision.



项目ITEMS	SKR-160B	SKR-200B	SKR-255B
工作台直径 Turntable diameter(mm)	Φ160	Φ200	Φ255
工作台垂直时中心高 Center height(mm)	125	135	180
中心定位孔直径 Center bore diameter(mm)	Φ32	Φ42	Φ100
工作台T型槽道数 T-slot size(mm)	4道, 6道	4道, 6道	4道, 6道
总传动比 Total reduction ratio	1:60	1:72	1:72
工作台最高转速 Max. speed(r/min)	30	25	41
设定最小分度单位 Table graduation angle per pulse	0.001°	0.001°	0.001°
伺服电机 (用户自备) 带2000脉冲编码器 Servo motor (optional)	功率 (KE) Output power	≥0.75	≥0.75
	扭矩Nm Torque	≥3	≥3
分度精度 Dividing accuracy	±15"	±15"	±10"
重复精度 Repeatability accuracy	±8"	±8"	±5"
刹紧力矩 Clamp torque(Nm)	110	150	150
水平承载 Load capacity hor.(kg)	90	110	150
立式承载 Load capacity vert.(kg)	60	75	75
允许最大惯量 (垂直使用时) Max.inertia of vertical(kg.cm.s)	15	15	15
最大允许驱动力矩 Max.torque capacity(N.m)	90	90	90
转台重量 Net weight(kg)	45	50	70

零点定位系统

ZERO POSITIONING



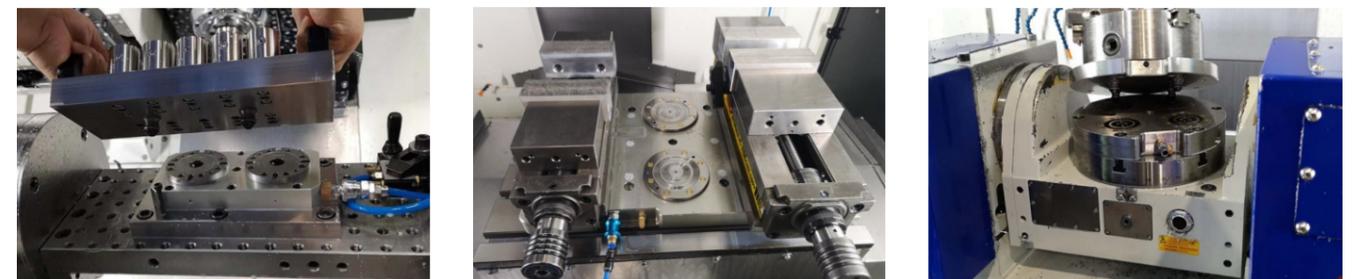
内藏式带角向定位安装型

应用领域:

- 零点定位系统用于减少更换工装的时间，可在金属切削和非切削等各领域中使用，也可用于食品工业，化工和制药工业和自动化领域中。
- 止位功能可以为夹具托盘提供90°分度止位
- The zero point positioning system is designed to reduce the time it takes to change tooling. It can be used in a variety of applications including metal cutting and non-cutting, as well as in food, chemical and pharmaceutical industries and automation.
- Check function can provide jig tray with 90° degree check.

型号 Model	解锁方式	夹紧力(KN)	拉紧力(KN)	吹屑	D1	D2	D3	D4	H1	H2	M	T	重量(kg) Weight
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

应用领域:



两工位基础板

Two Station Foundation Plate



四工位基础板

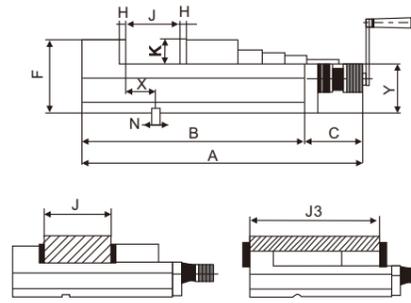
Four Station Foundation Plate



- 气压解锁;
- 气压自动除屑;
- 解锁压力: Q5最小6bar-最大12bar
Q10最小5.5bar-最大12bar
Q20最小4.5bar-最大12bar
- 材质: 硬化不锈钢
- 表面及活塞硬化处理;
- 重复定位精度 < 0.005mm;
- 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

MC 角固式精密油压虎钳

MC COMPACT MECHANICAL VISE



操作视频



精密机械虎钳



精密油压虎钳

产品特性:

- 角固式精密油压虎钳，适用重切削做精密加工。
- 虎口采用半圆球斜角下压式结构，可消除虎口板上浮及工件倾斜。
- 虎钳本体使用高抗张力球状石墨化铸铁 (FCD60~60kgs/mm) (80, 000psi) 抗张力强，不易变形。

FEATUERS:

- 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.

单位: mm

型号Model	规格	钳体总长	钳体总高	钳口宽度	钳口高度	开口尺寸	夹紧力Power	重量	装箱尺寸Dimension
CHV-100A	4寸	475	133	101	48	0-125	36KN(3528kgf)	27kg	600x220x185
CHV-130A	5寸	540	150	131	55	0-180	46KN(4508kgf)	40kg	665x250x205
CHV-160A	6寸	630	163	161	58	0-240	56KN(5488kgf)	60kg	760x280x215
CHV-200A	8寸	750	173	201	63	0-280	71KN(6958kgf)	81kg	860x320x225
CHV-160A增强款	6寸	690	163	161	58	0-300	56KN(5488kgf)	60kg	760x280x215
CHV-200A增强款	8寸	810	173	201	63	0-340	71KN(6958kgf)	81kg	860x320x225

MC 倍力虎钳

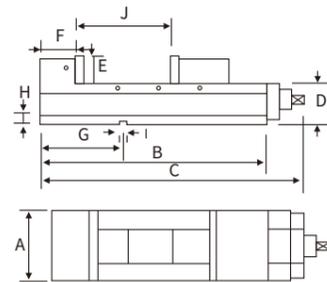
MC DOUBLE FORCE VISE



内藏式精密油压虎钳



机械虎钳

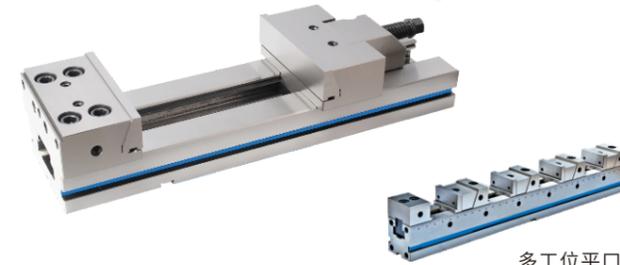


FEATUERS:

- 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 chipproof design, in order to prevent the processing of iron filings into the drive screw and vise internal, not easy to remove.
- Big opening, it is suitable for large-scale work to do precision

型号Model	A	B	C	D	F	H	J	J3	K	N	X	Y	夹紧力Power	重量	装箱尺寸Dimension
JX-100A	475	340	135	101	133	15	0-125	125-320	48	18	45	85	36KN(3528kgf)	27kg	600x220x185
JX-130A	540	405	135	131	150	15	0-180	180-380	55	18	65	95	46KN(4508kgf)	40kg	665x250x205
JX-160A	630	495	135	161	163	15	0-240	240-470	58	18	65	105	56KN(5488kgf)	60kg	760x280x215
JX-200A	750	570	135	201	173	15	0-280	280-540	63	18	82	115	71KN(6958kgf)	81kg	860x320x225

精密组合平口钳/多功能系列平口钳



多工位平口钳

- 采用优质合金钢渗碳处理，工作面硬度 HRC58~62。
- 平行度0.01mm/100mm，垂直度0.01mm
- Produced of high quality steel, carburized to surface hardness :HRC58~62
- Parallelism 0.01/100mm, squareness 0.01mm

型号Mdole No.	B(mm)	H(mm)	Smax(mm)	L(mm)	最大夹紧力(kg)
100×100	100	30	100	270	3000
125×150	125	40	150	345	3000
150×200	150	50	200	420	5000
150×300	150	50	300	520	5000
175×200	175	60	200	455	6000
200×200	200	65	200	495	10000
200×300	200	65	300	595	10000
200×400	200	65	400	695	10000
300×200	300	80	200	535	12000
300×300	300	80	300	635	12000
300×400	300	80	400	735	12000
300×500	300	80	500	835	12000

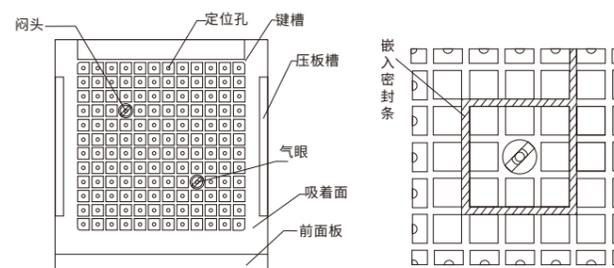
真空吸盘

VACUUM SUCKER



特性/FEATUERS

- 本公司真空吸盘采用的是“十点定位”原则，无需真空泵，只需向压缩机供给空气就可吸附。
- 吸附力强大，自动保压，断电气下可以保持一定的保压作用。
- 启动快，通气4-6秒就可以达到工作状态。
- 应用广泛，平面工件不受材质限制。
- 操作简单快捷。
- 加工产品尺寸底部平面尺寸不小于 60mm*60mm。
- 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 6seconds.
- 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.



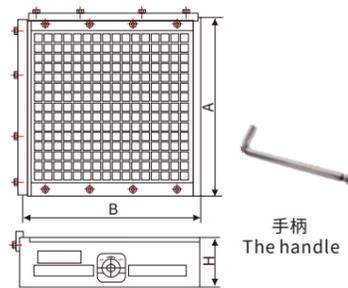
型号 Model	外形尺寸 (size)mm	凹槽尺寸 Groove size	重量 (weight)kg
3030	300*300*45	16.2*16.2	10
3040	300*300*45	16.2*16.2	14
4040	400*400*45	16.2*16.2	18
4060	400*600*45	16.2*16.2	28

超强永磁吸盘

SUPER PERMANENT MAGNET SUCKER



- 磁力由高性能材料产生, 无时间限制, 无能量消耗, 不产生热量, 环保安全, 操作简单实用。
- 吸力超强, 磁力可以叠加, 根据工件接触面积的增大而增大, 可用于强力铣削、钻削。
- 能简易快速更换装夹工件, 缩短工件装夹调整工时, 实现五面加工, 显著提高工作效率80%。
- Magnetic force produced by high energy materials, no time limit, no energy consumption, no heat, environmental safety, the operation is simple and practical.
- Simple quick replacement of the clamping workpiece, workpiece clamping adjust working hours, to realize five surface processing, improve work efficiency by 80%.



型号 Model	外形尺寸(mm) size			导磁体 Magnetic block (个)	导磁体吸力 Magnetic force block (kgf)	总吸力 Total suction (kgf)
	A	B	H			
2040A	200	400	80	136	25	3400
3030A	300	300	90	132		3300
3040A	300	400	60	176		4400
3040B	293	376	90	132		3300
4040A	400	400	90	240		6000
4050A	400	500	90	300		7500
4060A	400	600	90	375		9375

永磁起重器

SUPER PERMANENT MAGNET SUCKER

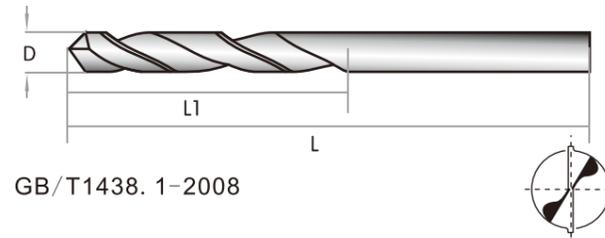


特性/FEATURES

- 结构小巧、重量轻, 易于操作。
- 无需用电, 磁力恒久, 使用安全, 可在野外作业。
- 安全系数高, 最大拉脱力在3-3.5倍, 保险装置, 防止误操作。
- 免维护设计, 使用寿命长。
- "V" 型槽设计, 可吸吊平面或圆弧形工件。
- 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.

型号 Model	额定起重重量 Rated capacity (kg)	外形尺寸 size (mm)					最大拉脱力 Maximum pulled off (N)	圆柱工作限制范围 Cylindrical work limits		自重 Self-weight (kg)
		L	B	H	R	Le		直径 (mm)	重量	
PML-300	300	192	92	91	150	154	10500	≥60	≤100	9.6
PML-600	600	314	102	92	216	267	18000	≥70	≤100	18
PML-1000	1000	363	142	118	307	342	30000	≥90	≤300	37
PML-2000	2000	573	165	164	367	482	60000	≥120	≤600	120

全磨含钴直柄麻花钻

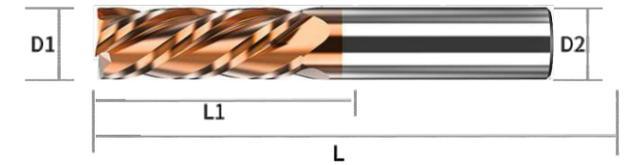


GB/T1438. 1-2008

- 应用: 用于4~5倍孔径的钻削, 适用于不锈钢、低碳钢、铝、铝合金、铸铝、铜、铜合金等材料。
- 优点: 高螺旋及锋利的切削刃, 避免了积屑瘤的产生, 适用于高性能的钻孔。强化型钻芯和普通刃长, 增强了刚性, 适合于4-5倍孔径的钻削。适用于更高的转速和进给速度, 提高了钻头的适用寿命。加工表面光洁度好, 加工效率高, 可免除后道工序。

普通长度(DIN338) Unit: mm		
直径 (D)	全长(L)	槽长(L1)
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
9.60-10.60	133	87
10.70-11.80	142	94
11.90-13.20	151	101
13.30-14.00	160	108
14.50-15.00	169	114
15.50-16.00	178	120
16.50-17.00	184	125
17.50-18.00	191	130
18.50-19.00	198	135
19.50-20.00	205	140

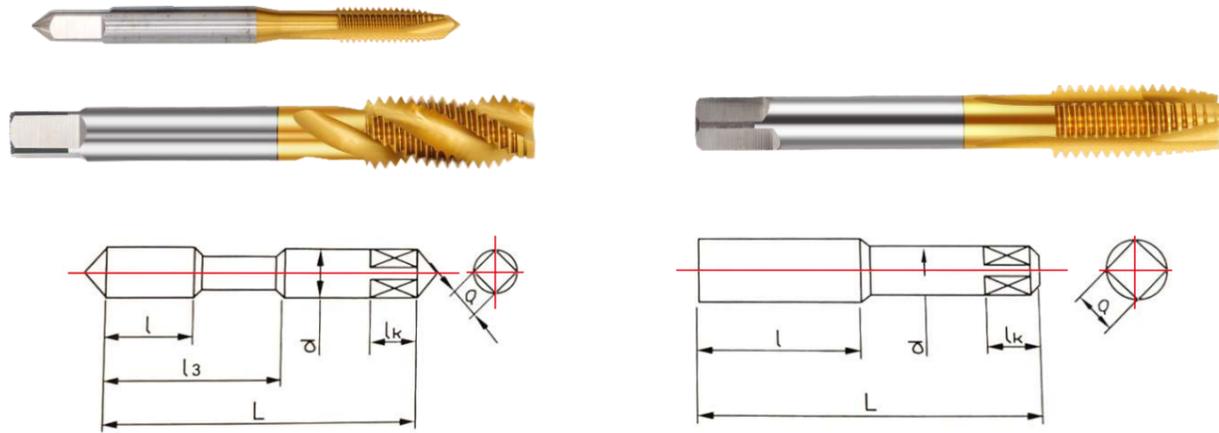
合金平底铣刀(2刃、4刃)



- 超细微粒合金棒材, 耐磨性强;
- 用于用于HRC60度以下材加工;
- 也可用于不锈钢、铸铁等材料加工。
- 复合纳米涂层。

型号	直径D1	刃长L1	全长L	柄径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
10*10*30*75	10	30	75	10
12*12*30*75	12	30	75	12
14*14*40*100	14	40	100	14
16*16*40*100	16	40	100	16
20*20*45*100	20	45	100	20
3*4*12*75	12	12	75	4
4*4*16*75	16	16	75	4
4*6*16*75	16	16	75	6
5*6*20*75	20	20	75	6
6*6*24*75	24	24	75	6
8*8*32*100	32	32	100	8
10*10*40*100	40	40	100	10
12*12*48*100	48	48	100	12
16*16*64*150	64	64	150	16
20*20*80*150	80	80	150	20
4*6*16*100	16	16	100	6
6*6*24*100	24	24	100	6
8*8*32*150	32	32	150	8
10*10*40*150	40	40	150	10

GB不锈钢专用系列



适用被削料：铸铁、青铜、低碳钢、中碳钢、工具钢、模具钢、铝、镁合金等。

Use For: Casting iron, Bronze, Low/medium Carbon steel Tool steel, Mold steel, Aluminum/Magnesium Alloy steel.

SIZE 尺寸	PITCH 螺距	L 总长	l 刃长	d 柄	l3 颈	a 方宽	lk 方长	TYPE 型式
M3	0.50	48	11	3.15	18	2.50	5.0	1
M3.5	0.60	50	13	3.55	20	2.80	5.0	1
M4	0.70	53	13	4.00	21	3.15	6.0	1
M5	0.80	58	16	5.00	25	4.00	7.0	1
M6	1.00	66	19	6.30	30	5.00	8.0	1
M7	1.00	66	19	7.10	30	5.60	8.0	1
M8	1.25	72	22	6.30		5.00	8.0	2
M9	1.25	72	22	7.10		5.60	8.0	2
M10	1.50	80	24	8.00		6.30	9.0	2
M11	1.50	85	25	8.00		6.30	9.0	2
M12	1.75	89	29	9.00		7.10	10.0	2
M14	2.00	95	30	11.20		9.00	12.0	2
M16	2.00	102	32	12.50		10.0	13.0	2
M18	2.50	112	37	14.00		11.2	14.0	2
M20	2.50	112	37	14.00		11.2	14.0	2
M22	2.50	118	38	16.00		12.5	16.0	2
M24	3.00	130	45	18.00		14.0	18.0	2
M27	3.00	135	45	20.00		16.0	20.0	2
M30	3.50	138	48	20.00		16.0	20.0	2
M33	3.50	151	51	22.40		18.0	22.0	2
M36	4.00	162	57	25.00		20.0	24.0	2

锂电钻 锂电冲击钻



产品参数

额定电压	12V
电池容量	1500mAh
最大扭矩	25N.m
额定转速	0-400/1500r/min
夹头直径	10mm
扭力设定	18+1
钻孔能力	木材 20mm 钢材 8mm
产品净重	0.9KG

锂电钻 锂电冲击钻



产品参数

额定电压	16V
电池容量	1500mAh
最大扭矩	30N.m
额定转速	0-400/1500r/min
夹头直径	10mm
扭力设定	21+1
钻孔能力	木材 22mm 钢材 8mm
产品净重	1.4KG

无刷锂电扳手



产品参数

额定电压	20V
电池容量	4000mAh
最大扭矩	H档: 298N.m L档: 190N.m
额定转速	L档: 0-2400r/min H档: 0-2400r/min
方榫尺寸	1/2"
冲击频率	0-3000次/min
产品净重	1.7KG

锂电角磨机



产品参数

额定电压	12V
电池容量	2000mAh
额定转速	19500r/min
砂轮片直径	76mm
砂轮片孔径	10mm
产品净重	0.76KG