



SANFORD



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BENGBU SANFORD MACHINERY CO.,LTD

Company Profile

Bengbu Sanford Machinery Co.,Ltd is a professional enterprise specialize in developing, manufacturing and exporting of high quality Pneumatic & Electric Tapping Machines, Automatic Chamfering Machines, Grinding Machines, Bench Vices and related accessories. Varieties of machines are widely used in Machine Manufacturing, Mould and Hardware Processing, Auto Parts Manufacturing and other metals, plastics parts processing, greatly reduce processing time, improve work efficiency, save human resources.

Since established, Sanford Machine adhere the principle of " to provide high-quality products and service", we constantly adopt new technologies, new processes, new equipment, and new materials to improve product quality, concentrate all our efforts on developing products that meet the requirements of critical customers with the highest demands.

Today, our products are not only very popular in mainland China, also were exported to over 20 countries in West Europe, Middle East, Southeast Asia, South America and so on, get very good reputation and enjoying close partnership with our clients.

To learn more information or any questions, pls don't hesitate to contact us, we would appreciate the opportunity to discuss your particular requirements.



Pneumatic Tapping Machine



Features

- The machine is driven by compressed air, safe and high efficiency, small air pressure and volume(0.6-0.8mpa), very powerful torque output.
- Can tapping all kinds of steel, iron, copper, aluminum, plastic and other materials.
- Cylinder with overload protection device, low tapping breakage, high precision of screw thread, simple operation, no need much experience and technique.

Specifications

Model	SF-900-12	SF-900-16	SF-900-24
No-load Speed	400rpm	250rpm	90/250rpm(Optional)
Air Pressure	6-8KG/cm ²	6-8KG/cm ²	6-8KG/cm ²
Tapping Range	M3-M12	M3-M16	M6-M24
Max Work Radius	900MM	900MM	900MM
Net Weight	20KG	20KG	20KG
Tapping Direction	Vertical or Universal Direction		
Standard Chucks (ISO Standard)	GT12,M3-M12	GT12,M3-M16	GT24,M6-M24
	DIN371/376 , JIS or other standard chucks optional		

M16 Electric Tapping Machine



Features

- The machine adopt servo drive control, with intelligent torque protection, supersede traditional lathe and drilling machine, overcome limitation of manual tapping.
- Advanced mechanical design, various of parts casted by mould, with very high rigidity, durable without deformation, attractive appearance.
- HD Touch Screen makes the operation much more convenient and flexible, can realize work vertical and universal direction to complicated and cumbersome work, positioning rapidly and process accurately.
- Stepless speed changes, Manual Mode, Automatic Mode and Deep Hole Mode, three work mode optional.
- Automatic Mode can control tapping depth precisely, no need button operation, controlled by depth controller automatically.
- Repetitive positioning rapidly, high work efficiency, fast tapping speed.
- Can tapping all kinds of lead, steel, iron, copper, aluminum, plastic and other materials.



Specifications

Model	SF-1000-10	SF-1000-12	SF-1000-16
Tapping Range	M3-M10	M3-M12	M3-M16
Power	220V/110V,50HZ,600W		
Highest Speed	1000rpm	625rpm	312rpm
Max Work Radius	1100mm		
Vertical Extension	550mm		
Gross Weight	30kg		
Tapping Direction	Vertical or Universal Direction		
Standard Chucks (ISO Standard)	GT12,M3-M10	GT12,M3-M12	GT12,M3-M16
	DIN371/376 , JIS or other standard chucks optional		

M36 Electric Tapping Machine



Features

- The machine adopt servo drive control, with intelligent torque protection, supersede traditional lathe and drilling machine, overcome limitation of manual tapping.
- Advanced mechanical design, various of parts casted by mould, with very high rigidity, durable without deformation, attractive appearance.
- HD Touch Screen makes the operation much more convenient and flexible, can realize work vertical and universal direction to complicated and cumbersome work, positioning rapidly and process accurately.
- Stepless speed changes, Manual Mode, Automatic Mode and Deep Hole Mode, three work mode optional.
- Automatic Mode can control tapping depth precisely, no need button operation, controlled by depth controller automatically.
- Repetitive positioning rapidly, high work efficiency, fast tapping speed.
- Can tapping all kinds of lead, steel, iron, copper, aluminum, plastic and other materials.

Specifications

Model	SF-1200-24	SF-1200-30	SF-1200-36
Tapping Range	M6-M24	M6-M30	M6-M36
Power	220V/110V,50HZ,1200W		
Highest Speed	250rpm	200rpm	156rpm
Max Work Radius	1200mm		
Vertical Extension	600mm		
Tapping Direction	Vertical or Universal Direction		
Standard Chucks (ISO Standard)	GT24,M6-M24	GT24,M6-M30	GT24,M6-M36
	DIN371/376 , JIS or other standard chucks optional		

M48 Electric Tapping Machine



Features

- The machine adopt servo drive control, with intelligent torque protection, supersede traditional lathe and drilling machine, overcome limitation of manual tapping.
- Advanced mechanical design, various of parts casted by mould, with very high rigidity, durable without deformation, attractive appearance.
- HD Touch Screen makes the operation much more convenient and flexible, can realize work vertical and universal direction to complicated and cumbersome work, positioning rapidly and process accurately.
- Stepless speed changes, Manual Mode, Automatic Mode and Deep Hole Mode, three work mode optional.
- Automatic Mode can control tapping depth precisely, no need button operation, controlled by depth controller automatically.
- Repetitive positioning rapidly, high work efficiency, fast tapping speed.
- Can tapping all kinds of lead, steel, iron, copper, aluminum, plastic and other materials.

Specifications

Model	SF-1300-48
Tapping Range	M16-M48
Power	220V/110V,50HZ,1200W
Highest Speed	50/200rpm
Max Work Radius	1300mm
Vertical Extension	600mm
Tapping Direction	Vertical or Universal
Standard Chucks (ISO Standard)	GT48,M16-M48 DIN371/376 , JIS or other standard chucks optional

NEW Electric Tapping Machine

Features



- The new Electric Tapping Machine is produced in the principle of best quality, high precision and high value.
- The main components of the PLC are original imported, such as modules, chips, capacitors and so on, new design to make better performance in oil and dust proof.
- The serve motor is provided by the largest electric company in China, high cost imported optical encoder instead of magnetic encoder, higher precision and more stable.
- The machine frame is thicker and bigger to make machine more sturdy and durable.
- The power switch adopts one-button switch , which is practical and beautiful. It is matched military high-definition display and uses a cover to achieve dustproof and anti-collision.
- Touch Screen display interface more concise and multi-functional, easy to operate, with "Actual Depth" function to monitor real-time tapping depth dynamically.
- At each joint of the machine, the copper sleeve and the bearing are embedded to achieve the purpose of improve machine operation precision and flexibility.
- All the products passed eight links inspection after finished, also overload and anti-aging testing, which makes the machine more stable and powerful.



Specifications

Model	SFN-1000-10T	SFN-1000-12T	SFN-1000-16T
Tapping Range	M3-M10	M3-M12	M3-M16
Power		220V/110V,50HZ,600W	
Highest Speed	1000rpm	625rpm	312rpm
Max Work Radius		1100mm	
Vertical Extension		550mm	
Tapping Direction	Vertical or Universal Direction		
Standard Chucks (ISO Standard)	GT12,M3-M10 DIN371/376 , JIS or other standard chucks optional	GT12,M3-M12	GT12,M3-M16

NEW Electric Tapping Machine



Features

- The new Electric Tapping Machine is produced in principle of best quality, high precision and high value.
- The main components of the PLC are original imported, such as modules, chips, capacitors and so on, new design to make better performance in oil and dust proof.
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- At each joint of the machine, the copper sleeve and the bearing are embedded to achieve the purpose of improve machine operation precision and flexibility.
- All the products passed eight links inspection after finished, also overload and anti-aging testing, which makes the machine more stable and powerful.

Specifications

Model	SFN-1200-24T	SFN-1200-30T	SFN-1200-36T	SFN-1300-48T
Tapping Range	M6-M24	M6-M30	M6-M36	M16-M48
Power	220V/110V,50HZ,1200W			
Highest Speed	250rpm	200rpm	156rpm	50/200rpm
Max Work Radius	1200mm		1300mm	
Vertical Extension	600mm			
Tapping Direction	Vertical or Universal Direction			
Standard Chucks (ISO Standard)	GT24,M6-M24	GT24,M6-M30	GT24,M6-M36	GT48,M16-M48
	DIN371/376, JIS or other standard chucks optional			

Handheld Curved Pneumatic Chamfering Machine



Chamfering affect chamfering depth 0-5mm adjustable

Specifications

Model	SF-Q100
Chamfering Depth	0-3mm
Air Pressure	6-8kg/cm ²
Work Speed	13000rpm
Smooth Degree	N3 if no abrasion on blade
Net Weight	1.6kg
Angle	45°

Features

- The main components of the machine are imported from Japan, the ultra-high speed improves the stability and durability of the machine.
- The machine is compact and lightweight, which is easy to carry, and it is more handy with facility to reduce fatigue when working. Easily chamfering the inner hole, outer circle or various types of complex workpieces, finish the work that the general machine can not do.
- The machine can easily adjust the intake air pressure to change the spindle speed. The normal working air pressure is in the range of 6-8kg/cm². Due to the excellent work speed and multi-blades, can greatly reduce the vibration and improve the finish degree of the surface.
- Suitable for a variety of chamfering materials, steel, aluminum and other metal, plastic workpieces.
- The shank/cutter head is improved to a sealed type, which effectively improves the operator's safety.

Handheld Linear Pneumatic Chamfering Machine



Features

- The main components of the machine are imported from Japan, the ultra-high speed improves the stability and durability of the machine.
- The machine is compact and lightweight, which is easy to carry, and it is more handy with facility to reduce fatigue when working. Easily chamfering straight edge of the workpiece, make it easier to processing large workpieces, finish the work that the general machine can not do.
- The machine can easily adjust the intake air pressure to change the spindle speed. The normal working air pressure is in the range of 6-8kg/cm². Due to the excellent work speed and multi-blades, can greatly reduce the vibration and improve the finish degree of the surface.
- Suitable for a variety of chamfering materials, steel, aluminum and other metal, plastic workpieces.
- The shank/cutter head is improved to a sealed type, which improves the operator's safety effectively.

Specifications

Model	SF-Q120
Chamfering Depth	0-3mm
Air Pressure	6-8kg/cm ²
Work Speed	13000rpm
Smooth Degree	N3 if no abrasion on blade
Net Weight	2.3kg
Chamfering Angle	45°

Handheld Curved Electric Chamfering Machine



Specifications

Model	SF-100
Chamfering Depth	0-3mm
Power	220V/110V,50HZ,720W
Work Speed	10000rpm
Current	3.0A
Net Weight	3kg
Chamfering Angle	45°R1-4

Features

- SF-100 Handheld Curved Chamfering Machine is produced by our company for large machine tools, mould processing, ship building, tailor-made chamfering machines, has the following advantages over other chamfering machines in the market.
- The host machine is imported from Germany with stable performance(three months warranty)
- The machine is mainly used for irregular surfaces(such as outer circles,inner circle holds,etc.) and the inverted angle of the inner and outer cavity edges of irregular surfaces.
- Especially for the inverted angle of some curved edges of large workpieces, which general machine can not processing, it is convenient and quick to chamfering by curved chamfering machine, also can be used for chamfering end face of the rubber & plastic pipe.
- The machine structure is compacted, light weight, easy to operate, install 2 blades, cutting more smooth and better finish, can improve work efficiency greatly, reduce cost and operators labor intensity.
- The machine can be used for a dual-purpose blade switch, can process 45 degrees angle, also can process R angle, much more functional.

Handheld Linear Electric Tapping Machine



Specifications

Model	SF-120
Chamfering Depth	0-3mm
Power	220V/110V,50HZ,720W
Work Speed	10000rpm
Current	3.0A
Net Weight	3.4kg

- SF-120 Handheld Linear Chamfering Machine is produced by our company for large machine tools, mould processing, ship building, tailor-made chamfering machines, has the following advantages over other chamfering machines in the market.
- The host machine is imported from Germany with stable performance(three months warranty)
- The fuselage uses man-machine principle to make the operation simpler, easier, faster and more efficient.
- The knife disc is designed by international advanced end-milling method, which is better and the efficiency is ten times of ordinary chamfering machines.

Handheld Linear Roll-ball Chamfering Machine



Specifications

Model	SF-140
Chamfering Depth	0-5mm
Power	220V/110V,50HZ,1400W
Work Speed	10000rpm
Current	6.7A
Net Weight	4.5kg
Chamfering Angle	45°

Features

- SF-140 Handheld Straight Linear Roll-ball Chamfering Machine is produced by our company for large machine tools, mould processing, ship building, tailor-made chamfering machines, has the following advantages over other chamfering machines in the market.
- The host machine is imported from Germany with stable performance(three months warranty)
- The fuselage uses man-machine principle to make the operation simpler, easier, faster and more efficient.
- The knife disc is designed by international advanced end-milling method, which is better and the efficiency is ten times of ordinary chamfering machines.
- Pulley device for the machine chamfering panel, small friction and operate easily.

Handheld Powerful Roll-Ball Chamfering Machine



Specifications

Model	SF-200
Chamfering Depth	0-6mm
Power	220V/110V/380V,50HZ,750W
Work Speed	2800rpm
Chamfering Angle	15°-45°
Dimension	320*20*180
Net Weight	7.5kg

Features

- SF-200 Handheld Powerful Chamfering Machine suitable for chamfering of large workpieces without heat treatment, mechanical parts, manufactured and welded workpieces, and long non-ferrous metal objects, such as copper and aluminum. Guide rail with roll ball makes chamfering job easier.

High Speed Circular Chamfering Machine



Features

- 400 type Circular Chamfering Machine work speed 11000RPM, suitable for chamfering all kinds of machinery and mould workpiece.
- Arc-shaped and irregular curve all can be chamfered in one machine, realize multi-purpose function. Widely used in mould processing, machine tool manufacturing, valve manufacturing, hardware machinery, hydraulic parts, textile machinery chamfering and remove burr from plane and other jobs.
- Chamfering depth 0-5mm adjustable.
- The surface with hard chrome plating, durable and anti-rust.
- Chamfering machine don't need clamping, simple operation, chamfering deft, neat, adjustment is easy, economical and practical, efficiency is 10-20 times to traditional machines.



Specifications

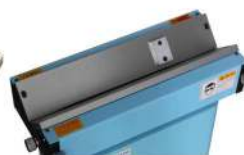
Model	SF-400YH
Chamfering Depth	0-5mm
Power	380V-750W-50HZ
Work Speed	11000rpm
Smooth Degree	N5 if no abrasion on blade
Net Weight	40kg
Chamfering Angle	45°R2

High Speed Linear Guide Rail Chamfering Machine



Features

- 500 type Linear Chamfering Machine work speed 11000RPM, suitable for chamfering all kinds of machinery and mould workpiece.
- Linear Chamfering Machine adopt "Roll-ball" design to ensure "zero" scratch to treated copper and aluminum board.
- It's easy to change blades, also can use an used old lathe blade.
- The surface with hard chrome plating, durable and anti-rust.
- Chamfering depth 0-5mm adjustable.
- Chamfering machine don't need clamping, simple operation, chamfering deft, neat, adjustment is easy, economical and practical, efficiency is 10-20 times to traditional machines.



Specifications

Model	SF-500DG
Chamfering Depth	0-5mm
Power	380V-750W-50HZ
Work Speed	11000rpm
Smooth Degree	N5 if no abrasion on blade
Net Weight	45kg
Chamfering Angle	45°

Complex High Speed Chamfering Machine

Features

- 900 type Complex High Speed Chamfering Machine no matter to proceed edge on a straight line or arc-shape(such as cylindrical, inner hole, the waist shape hole) and irregular inside and outside cavity edge chamfer, all can do 3D chamfering easily, can replace of CNC processing center, the parts which can not be chamfered by ordinary chamfering machine.
- Straight line, arc-shaped and irregular curve all can be chamfered in one machine, realize multi-purpose function. Widely used in mould processing, machine tool manufacturing, valve manufacturing, hardware machinery, hydraulic parts, textile machinery chamfering and remove burr from plane and other jobs, Chamfering depth 0-6mm adjustable.
- High speed cutting blade ensure chamfering accuracy, smoothness and high efficiency(Straight line speed is several times to common processing way), suit for enterprises to processing parts in batches, very high degree smooth on surface.



Specifications

Model	SF-900LY
Chamfering Depth	Straight: 0-6mm, Circle: 0-3mm
Power	380V-1100W-50HZ
Work Speed	11000rpm
Smooth Degree	N5 if no abrasion on blade
Net Weight	56kg
Chamfering Angle	45° or R2
Work Panel Length	Straight: 350mm, Circle: 250mm

Complex High Speed Guide Rail Chamfering Machine

Features

- 900 type Complex High Speed Chamfering Machine no matter to proceed edge on a straight line or arc-shape(such as cylindrical, inner hole, the waist shape hole) and irregular inside and outside cavity edge chamfer, all can do 3D chamfering easily, can replace of CNC processing center, the parts which can not be chamfered by ordinary chamfering machine.
- Straight line, arc-shaped and irregular curve all can be chamfered in one machine, realize multi-purpose function.
- Widely used in mould processing, machine tool manufacturing, valve manufacturing, hardware machinery, hydraulic parts, textile machinery chamfering and remove burr from plane and other jobs, Chamfering depth 0-5mm adjustable.
- Guide chamfering machine adopts "guide" work mode to ensure "zero" scratch to treated copper and aluminum board and high speed cutting blade ensure chamfering accuracy, smoothness and high efficiency(straight line speed is several times to common processing way), suit for enterprises to processing parts in batches, very high degree smooth on surface.



Specifications

Model	SF-900DG
Chamfering Depth	Straight: 0-6mm, Circle: 0-3mm
Power	380V-1100W-50HZ
Work Speed	11000rpm
Smooth Degree	N5 if no abrasion on blade
Net Weight	65kg
Chamfering Angle	45° or R2
Work Panel Length	Straight: 500mm, Circle: 250mm

Drill Bit Grinding Machine



Specifications

Model	SF-GD13
Grinding Range	Φ3-Φ13mm
Collet Standard	ER20
Power	220V 50/60Hz 120W
Work Speed	5500RPM
Point Angle	90°-145°
Grinding Wheel	CBN(for HSS)*1,(SDC for Carbide optional)
Package	36X20X22cm
G.W./N.W.	10/8kg

Features

- Professional drill bit grinder, grinding is accurate and quick, no special skills required.
- Economical and practical, significant cost saving, improved use efficiency.
- The grinder uses diamond grinding wheel with an accurate angle and long service life.
- The machine is set up with the function of adjusting central point size, controls the quality and accuracy of the workpiece and extends the service life of the drill bit.

Drill Bit Grinding Machine



Specifications

Model	SF-GD30
Grinding Range	Φ13-Φ30mm
Collet Standard	ER40
Power	220V 50/60Hz 300W
Work Speed	5500RPM
Point Angle	90°-145°
Grinding Wheel	CBN230#(for HSS)*1,(SDC for Carbide optional)
Dimension	37*25*26cm
Package	43X26X34cm
G.W./N.W.	32/27kg

Features

- Professional drill bit grinder. Grinding is accurate and quick, no special skills required.
- Economical and practical, significant cost saving, improved use efficiency.
- The grinder uses diamond grinding wheel with an accurate angle and long service life.
- The machine is set up with the function of adjusting central point size, controls the quality and accuracy of the workpiece and extends the service life of the drill bit.

High Precision Milling Cutter Grinder



Features

- Portable type Milling Cutter Grinder, grinding 2, 3, 4, 6 flutes of straight shank end milling cutter.
- Rapid and precise grinding, easy operation.
- Diamond grinding wheel can complete all the processes, accurate, long life, save cost and improve efficiency.
- Suitable for straight shank end mills.



Specifications

Model	SF-313	SF-330
Grinding Range	Φ3-Φ13	Φ13-Φ30
Power	220V 50/60Hz 300W	220V 50/60Hz 450W
Work Speed	4500rpm	4500rpm
Grinding Angle	0°-5°	0°-5°
Apex Angle	0°	0°
First Relief Angle	8°	8°
Second Relief Angle	35°	35°
Grinding Wheel	CBN for HSS)*1,(SDC for Carbide optional)	
Package Size	37×25×26cm	42×30×31cm
G.W./N.W.	15 /13kg	31 /25kg

End Mill and Drill Bit Complex Grinding Machine



Specifications

Model	SF-313C
Grinding Objects	Drill bit, End mill
Blade Material	HSS tungsten
Blade Flutes	2 flutes, 3 flutes, 4 flutes, 6 flutes
Grinding Range	Φ3 ~ Φ13
Point Angle	Drill bit: 90° ~ 145°, End Mill 0° ~ 5°
Power	220V 50/60HZ 300W
Work Speed	5000RPM
Package Size	37X19X23(cm)
G.W./N.W.	21/16kg

Features

- The machine combination can grind 3 ~ 13mm flat knife, and 2 ~ 13mm straight shank twist drill.
- The grinding wheel can grind diameter 3-13 blade, 2,3,4,6 flutes end milling cutter.
- It can be a grinding wheel grinding diameter 2 ~ 13 auger bit.
- It can change the tool Angle, solve the problem of processing.

Screw Tap Grinder



Specifications

Model	SF-Y3
Grinding Range	Φ5-Φ20
Apex Angle	5° ~ 45°
Speed	5300RPM
Voltage	AC220V 50/60HZ
Motor	180W
Grinding Wheel	CBN (or SDC)
Chuck	Φ5, Φ7, Φ8, Φ9, Φ10, Φ12, Φ13, Φ14
Package Size	320X210X200(mm)
G.W./N.W.	11/10kg

Features

- Special equipment for grinding screw taps, precise and fast, easy to operate, no special skills required, time and cost saving.
- Mainly used for apex angle grinding.
- The grinder uses diamond grinding wheel with an accurate angle and long service life.
- Electronic DC motor control: stable, high-efficient, powered, long time use.
- Can be customized for left-hand thread screw tap.

Universal Cutter Grinder



Specifications

Model	SF-U2	SF-U3
Grinding Wheel	Diameter:100mm, Thickness:50mm, Hole Diameter:20mm	Diameter:100mm, Thickness:50mm, Hole Diameter:20mm
Work Speed	5200rpm	5200rpm
Spring Pocket Clamp Range	Φ3 ~ Φ16mm	Φ3 ~ Φ28mm
Blade Fixer Moving Range	140mm	140mm
Blade Fixer Fine Adjustment Range	1.8mm	18mm
Taper Angle	0° ~ 100°	0° ~ 100°
Negative Taper Angle	0° ~ 20°	0° ~ 20°
Relief Range	0° ~ 25°	0° ~ 25°
Power	380V/220V/50/60Hz/0.37KW	380V/220V/50/60Hz/0.37KW
G.W./N.W.	55.5×45×43cm/52kg	55.5×44.5×42.5cm/56kg

Features

Universal cutter grinder is suitable for grinding different diameters, shapes and angles of engraving knives, round knives, straight shank milling cutters, gravers, die milling used on computer engraving machines, engraving millers, machining centers, engraving machines, dividing machines, marking machines, etc. Easy to operate, high precision, great quality-price ratio. Projector can be optional.

Universal Milling Cutter Grinding Machine



Specifications

Model	SF-US
Grinding Range	Φ3-Φ14
Power	220V/300W 50/60HZ
Speed	600RPM
Grinding Wheel	SDC230#(Special for tungsten steel drill)
Size	280X200X230(mm)
Weight	15kg

Features

Convenient and Efficient Milling Cutter Grinding Machine

- Straight shank end mills (2, 3, 4 blades) can be drilled, milled and cut simultaneously in the workpiece processing after grinding, it eliminates the troublesome process of drilling, save time, save manpower and save energy.
- The amount of grinding can be adjusted at will.
- Grind one milling cutter in one minute, the cutting edge is through center grinding with high grinding precision.
- This machine adopts diamond grinding wheel, due to its high hardness grinding performance, it is widely used not only in processing of tungsten steel, hard alloy steel and tool steel, but also can work in the long period do not need fixed and maintenance.

Guide Rod Vise



Features

- Adopting the guide rod structure to make the slider move smoothly
- It is one of the main accessories of drilling machine, woodworking machinery and other machines

Specifications

Model	SF-DG3	SF-DG4	SF-DG6	SF-DG8
Width of Jaw(mm)	75	100	160	200
Height of Jaw(mm)	35	46	53	53
Max Opening(mm)	76	102	152	203
G.W./N.W.	6.5/6kg	12/11kg	15/14kg	24/23kg
Package Size	46x25x18cm (4pcs/box)	30x20x21cm (2pcs/box)	39x26x12cm	42x31x11cm

Tilting Vise



Features

- Tilting drilling machine vise can be adjusted and locked from horizontal position to vertical position (0°-90°) freely.
- One of the main accessories of the drilling machine, which can be used for the processing of inclined surfaces.

Specifications

Model	SF-QK3	SF-QK4
Width of Jaw(mm)	75	100
Height of Jaw(mm)	35	46
Max Opening(mm)	76	102
G.W./N.W.	5.5/5kg	8.5/8kg
Package Size	39x26x28cm (4pcs/box)	25x21x14cm

High Precision Rotatable CNC Milling Bench Vise



Features

- The parallelism of the two jaws and the perpendicularity of the two faces in the two jaws are $\leq 0.025\text{mm}/100\text{mm}$.
- Widely used in iron beds, drilling machines, etc., for a variety of planes, grooves, angles, holes and other objects processing.

Specifications

Model	SF-QH80	SF-QH100	SF-QH125	SF-QH160	SF-QH200
Width of Jaw(mm)	80	100	125	160	200
Height of Jaw(mm)	30	35	40	52	63
Max Opening(mm)	60	75	95	120	150
G.W./N.W.	6/5.7kg	8.5/8kg	15/14kg	29/28kg	39/38kg
Package Size	49x25x12cm (4pcs/box)	28x14x13cm	32x18x14cm	43x23x18cm	47x27x19cm

High Precision Rotatable CNC Milling Bench Vise



Features

- This product is one of the main accessories for milling machines and drilling machines.
- The parallelism of the two jaws and the perpendicularity of the two jaws to the rail surface are $\leq 0.025\text{mm}/100\text{mm}$.
- When the movable jaw moves horizontally, the semi-spherical ball on it will have a vertical downward pressure, so the clamping workpiece will not float.
- The opening degree of the jaws can be changed in four directions according to the needs.

Specifications

Model	SF-QM100	SF-QM125	SF-QM160	SF-QM160L	SF-QM200
Width of Jaw(mm)	100	125	160	160	200
Height of Jaw(mm)	32	40	45	45	50
Max Opening(mm)	100	125	170	200	230
G.W./N.W.	14/13kg	21/20kg	31/30kg	32/31kg	48/47kg
Package Size	36x24x14cm (4pcs/box)	42x27x15cm	45x31x18cm	49x31x17cm	56x35x20cm

Super Precision CNC Milling Bench Vise



Features

- This product is one of the main accessories for milling machines and drilling machines.
- The parallelism of the two jaws and the perpendicularity of the two jaws to the rail surface are $\leq 0.025\text{mm}/100\text{mm}$.
- Can be used in a single unit or in multiple units.
- Angle-fixed clamping structure prevents the floating of workpiece.

Specifications

Model	SF-QMG100	SF-QMG160
Width of Jaw(mm)	100	160
Height of Jaw(mm)	32	45
Max Opening(mm)	100	200
G.W./N.W.	9/8kg	24/23kg
Package Size	33x11x11cm	45x18x14cm

Super Precision Bi-directional CNC Milling Bench Vise



Features

- This product is one of the main accessories for milling machines and drilling machines.
- The parallelism of the two jaws and the perpendicularity of the two jaws to the rail surface are $\leq 0.025\text{mm}/100\text{mm}$.
- Can be used in a single unit or in multiple units.
- Angle-fixed clamping structure prevents the floating of workpiece.
- It has two clamping stations for holding two workpieces of equal or different sizes, and it is also possible to hold two workpieces with different working faces at different clamping positions.

Specifications

Model	SF-SX100	SF-SX160
Width of Jaw(mm)	100	160
Height of Jaw(mm)	32	45
Max Opening(mm)	75	95
G.W./N.W.	15/14kg	41/39kg
Package Size	52x11x12cm	64x17x16cm

High Precision Universal Direction CNC Milling Bench Vise



Features

- It can be adjusted and locked from horizontal position to vertical position ($0^{\circ}-90^{\circ}$).
- With a rotating base, can be rotated 360° .
- Widely used in processing various angles of planes, slots, holes, etc.

Specifications

Model	SF-QHK100	SF-QHK125	SF-QHK160
Width of Jaw(mm)	100	125	160
Height of Jaw(mm)	41	46	50
Max Opening(mm)	75	95	120
G.W./N.W.	16/15kg	23/22kg	33/32kg
Package Size	34x20x17cm	40x24x18cm	44x26x21cm

High Precision Universal Direction CNC Milling Bench Vise



Features

- The parallelism of the two jaws and the perpendicularity of the two jaws to the guide surface are $\leq 0.025\text{mm}/100\text{mm}$.
- The silver body, the two-way body and the sliding seat adopt tilted structure to realize positioning in three directions and various orientations.
- Widely used in mechanical processing, electrical processing and other complex parts processing.

Specifications

Model	SF-QW100	SF-QW125
Width of Jaw(mm)	105	125
Height of Jaw(mm)	40	44
Max Opening(mm)	105	120
G.W./N.W.	25/24kg	27/26kg
Package Size	47x23x21cm	51x23x21cm

Over-load Protection Tapping Chuck



Features

- High precision, quick change, long-life with torque protection function.
- ISO, JIS, British, DIN371/376 standard torque chucks available.
- Torsion react sensitive and changes according to various material to set up corresponding torque.
- Used for kinds of tapping machines include Electric Tapping Machines and Pneumatic Tapping Machines.

Specifications

GT12-ISO		GT24-ISO		GT48-ISO		GT12-DIN 371		GT12-DIN 376		GT24-DIN 376	
M3	3.15*2.5	M6-M8	6.3*5	M24	18*14	M2	2.8*2.1	M4	2.8*2.1	M6	4.5*3.4
M4	4*3.15	M10	8*6.3	M27-M30	20*16	M3	3.5*2.7	M5	3.5*2.7	M8	6*4.9
M5	5*4	M12	9*7.1	M33	22.4*18	M4	4.5*3.4	M6	4.5*3.4	M10	7*5.5
M6-M8	6.3*5	M14	11.2*9	M36	25*20	M5	6*4.9	M8	6*4.9	M12	9*7
M10	8*6.3	M16	12.5*10	M39-M42	28*22.4	M6	6*4.9	M10	7*5.5	M14	11*9
M12	9*7.1	M18-M20	14*11.2	M45-M48	31.5*25	M8	8*6.2	M12	9*7	M16	12*9
M14	11.2*9	M22	16*12.5			M10	10*8	M14	11*9	M18	14*11
M16	12.5*10	M24	18*14					M16	12*9	M20	16.12
		M27-M30	20*16							M22	18*14.5
		M33	22.4*18							M24	18*14.5
		M36	25*20							M27	20*16
										M30	22*18
										M33	25*20
										M36	28*22

Tapping Oil



Features

- SF-TO is an effective tapping oil, which is produced by refined base oil and various extreme pressure anti-wear additives.
- It can effectively improve the processing precision, excellent surface finish, lubrication and extreme pressure, excellent chip removal performance, strong permeability, and effective protection of taps and cutting tools, reduce chipping and broken taps.
- Effectively suppress temperature rise, reduce the occurrence of sintering and chipping, and prevent surface scratches and wrinkles on the workpiece. Suitable for machining of hard materials such as carbon steel, alloy steel and stainless steel.

Titanium Coating Screw Tap



Titanium Coating EX-POT



Titanium Coating EX-SFT



Performance

Clear discharge from bottom, through hole

Advantage

Good taper design

Good through hole effect

Can tap to the blind hole bottom

No chips left, chip discharge smooth

Easy to cut into the bottom

Good coating effect

Application

Cutting a material that is continuously clogged

Through-hole processing

Inner wall without groove

High speed processing

Performance

Clear discharge from top, blind hole

Advantage

Strong cutting ability

Wide range usage

Black, high groove

No chip block

Strong resistance to damage

Strong cutting capacity

Application

Cutting a material that is continuously clogged

Blind hole processing

Inner wall with axial groove

Pneumatic Motor



Specifications

Model	SF-12A	SF-16A	SF-24A
Tapping Range	M3-M12	M3-M16	M6-M24
Air Pressure	6-8KG/cm ²	6-8KG/cm ²	6-8KG/cm ²
No-load Speed	400rpm	250rpm	90/250rpm
Net Weight	1.7kg	2.9kg	3.7kg

Cast Iron Workbench



Size: 900(L)*600(W)*700(H)MM, 800(L)*500(W)*700(H)MM
Height can be customized according to needs

Permanent Magnetic Chuck



Features

- It is used for fixing the base of the tapping machine.
- Compact structure, light weight, easy to operate.
- No electricity, permanent magnetic, safe operation can be in field operation.
- High safety coefficient, maximum pull-off force in 3-3.5 times, with safety device, to prevent misoperation.
- Maintenance-free design, long service life.

Specifications

Model	Rated Capacity(kg)	Size(mm)				Maximum Pulled -out Force (N)	Net Weight (kg)
		L	B	H	R		
PML-300	300	153	122	65	106	1050	9
PML-600	600	195	162	74	216	2100	18

Permanent Magnetic Chuck



Features

- 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 does not produce distortion, which can realize precision machining.
- Simple mechanical switch, do not need power supply, avoid appear disappeared as suddenly loses 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%.

Specifications

Model	Size(mm)			Magnetic block(pcs)	Magnetic force block (kgf)	Total Suction (kgf)
	A	B	H			
PML-2040	200	400	80	136	25	3400
PML-3040	300	400	90	176		4400
PML-4040	400	400	90	240		6000
PML-4050	400	500	90	300		7500
PML-4060	400	600	90	375		9375