



Kaka Industrial-USA



Band Saw



Shearing



Brake



Forming & Shaping



Vertical Drill



Belt Grinder



Roll



Press Vise



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KAKA INDUSTRIAL

Metal Fabrication Machines

Saws, Grinder, Drills, Clamping, Shearing,
Brake, Rolling, Forming, Welding, Wood Working

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MAKE WHAT YOU LIKE !

Various type of fabrication tools, More than 100 models.



SAWS

- Metal Band Saw
- Circular Saws
- Vertical Band Saws
- Double Column Horizontal Band Saw
- Cut-Off Saws



Mini Metal Cutting Band Saw



Stock No.	188000	188101
Model	BS-85	BS-150
Capacity	Circular @90°	3.3"
	Rectangular @90°	3.3"x4.1"
	Circular @60°	-
	Rectangular @60°	-
Capacity	Circular @60°	1.96"
	Rectangular @60°	1.96"x3.9"
	Circular @45°	2.7"
	Rectangular @45°	2.5"x2.9"
Blade speed @60Hz	40-88 MPM	45-60 MPM
Blade size	0.51"x0.026"x52.17"	0.78"x0.03"x68.3"
Motor power	1 kW	2.0 kW
Drive	Gear	Gear
Packing size	28x14x18 in	39x17x21 in
N.W/G.W	41/46 lbs	75/85 lbs

7" Metal Cutting Band Saw



- BS-712N**
- Fast release clamp vice
 - Vertical working position available with optional workbench



- Adjustable hydraulic control cutting feed for different materials
- Built-in coolant system
- Automatic shut off when cutting done
- 4 step blade speed by pulley wheel driven
- Adjustable roller guide and steel wire brush to prolong the blade service life



BS-712R

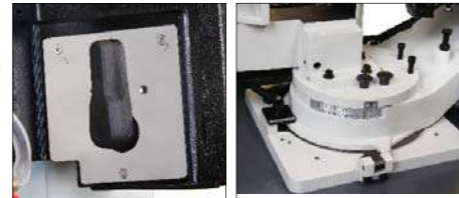


- Swivel frame max. to 45 degrees to get angle cutting
- Fast action material clamping lever

9" Metal Cutting Band Saw



- BS-912B**
- Max. cutting 9" diameter
 - Two pulley wheels offer 4 step speeds
 - Vice plate can be rotated 45 degree
 - Standard cooling system maximum cutting efficiency
 - Adjustable bearing blade guides, help align the saw blade and increase the life time of use



BS-912GR

- Max. cutting 9" diameter
- Gear drive, 3 cutting speed
- Cutting speed adjust on the gear box directly, easy operation
- Saw bow miter max. 45°, avoid moving heavy material



Stock No.	188006	188008	188010	188012
Model	BS-712N	BS-712R	BS-912B	BS-912GR
Capacity	Circular @90°	7"	7"	9"
	Rectangular @90°	7"x12"	7"x8.25"	7"x12"
	Circular @45°	5"	5"	6"
	Rectangular @45°	4.75"x4.88"	3.33"x5.5"	5"x6"
Blade speed @60Hz	27,41,59,78 MPM	27,41,59,78 MPM	32,60,88,115 MPM	38,78,115 MPM
Blade size	0.75"x0.035"x93"	0.75"x0.035"x93"	1.06"x0.035"x104.53"	1.06"x0.035"x104.53"
Motor power	1.1kW 1.5HP	1.1kW 1.5HP	1.1kW 1.5HP	1.1kW 1.5HP
Drive	V-belt	V-belt	V-belt	Gear
Packing size	50x20x45 in	51x29x46 in	60x23x45 in	63x30x49 in
N.W/G.W	308/396 lbs	407/525 lbs	418/555 lbs	485/640 lbs



10" Metal Cutting Band Saw

- 4 Steps blade speed
- Fast release clamp vise
- Hydraulic down feed, variable speed



- BS-1018B**
- Strong structure for big capacity cutting



- BS-1018R**
- The bow can be swivelde between 45° and 90°



- BS-1018T**
- Dual swivel saw head
 - Designed for 45/60 degrees cutting without moving material

Horizontal Band Saw

- Max. cutting 15-3/4" Round and 21-5/8"x16" rectangular at 90 degrees
- Miters up to 60 degrees with a indicator to show the degree
- Hydraulic descent of the saw frame, adjustable feeding speed
- Automatic shut off, stops the machine when finish one cutting
- Quick lock vise make the fast clamping
- Material stop allows you make repeat cuts



BS-2114T



BS-2114TH

- Saw frame moving up and down automatically



Stock No.	188015	188116	188061	188065	188066
Model	BS-1018B	BS-1018R	BS-1018T	BS-2114T	BS-2114TH
Capacity	Circular @90°	10"	10.2"	15.7"	15.7"
	Rectangular @90°	5"x18"	6.3"x16"	10.2"x16.9"	21.6"x14"
	Circular @60°	-	-	6.1"	6"
	Rectangular @60°	-	-	5"x5"	10"x8"
	Circular @45°	6"	6.7"	10.2"	13.3"
Capacity	Rectangular @45°	6"x7.5"	6.3"x7.5"	Left:10.2"x5.1" Right:11.8"x7.9"	14"x13.3"
	Rectangular @45°	6"x7.5"	6.3"x7.5"	14"x13.3"	14"x13.3"
Blade speed @60Hz	35,60,88,115 MPM	35,60,88,115 MPM	28,62,93,130 MPM	57/84 MPM	57/84 MPM
Blade size	1.06"x0.035"x129.13"	1.06"x0.035"x126.57"	1.06"x0.035"x144.09"	1.34"x0.043"x173.43"	1.34"x0.043"x173.43"
Motor power	1.5 kW 2HP	1.5 kW 2HP	1.5kW	2.2/2.8kW	2.2/2.8kW
Drive	V-belt	V-belt	Belt	Gear	Gear
Packing size	72x32x45 in	75x33x53 in	84x43x48 in	91x32x62 in	91x32x62 in
N.W/G.W	684/865 lbs	748/968 lbs	1027/1147 lbs	1278/1566 lbs	1389/1675 lbs

STAND FOR BAND SAW



RV-1100



RB-1100



RB-1100



RB-365





BS-75G

- Manual control down feed
- It has the characteristics of worm gear box transmission structure.
- The machine will automatically power off when the rear protective cover is open.
- The calibration of the jaw is convenient for adjustment and positioning at any angle.



BS-76G

- Scale on the vise allows easy adjustments for angle cutting
- The saw bow can be rotated from
- Coolant pump ensures longer service life of saw blade
- It is equipped with a block feeder (with fixed sawing length).



BS-106G



BS-108G

- Cut 9" round and 10"x7.9" rectangular at 90 degrees
- The saw frame max. miter 60° with angle indicator to show swivel angle
- Hydraulic descent, start the machine from the operation panel, and will stop when cutting completed



BS-126G

- It is characterized by manual operation mode.
- The saw bow can rotate around.
- The European design band saw has power break device
- The falling speed of saw bow is controlled by hydraulic cylinder.
- Hydraulic cylinder for controlled descent

Stock No.	188118	188016	188119	188017	188122	
Model	BS-75G	BS-76G	BS-106G	BS-108G	BS-126G	
Capacity	Circular @90°	6"	6.7"	8.6"	9"	
	Rectangular @90°	7.8"x4.7"	7.8"x6.7"	10"x6.1"	12.4"x6.7"	
	Circular @60°	-	2.7"	4"	3.5"	
	Rectangular @60°	-	2.3"x2.3"	3.1"x3.7"	3.3"x3.3"	
	Circular @45°	4.7"	4.7"	6"	6"	8.25"
	Rectangular @45°	5"x3.5"	4.3"x4.3"	6.3"x4.3"	6"x5"	8.25"x6.7"
Blade speed @60Hz	48 MPM	50 MPM	48/96 MPM	41 MPM	48/96 MPM	
Blade size	0.79"x0.035"x81.1"	0.79"x0.035"x82.09"	1.06"x0.035"x96.46"	1.06"x0.035"x96.65"	1.06"x0.035"x111.22"	
Motor power	0.8 kW 1.1HP	1.1 kW 1.5HP	1.1 kW 1.5HP	1.1 kW 1.5HP	0.75/1.1kW	
Drive	Gear	Gear	Gear	Gear	Gear	
Packing size	46x28x32 in (body) 25x16x27 in (stand)	49x28x40 in	53x32x44 in (body) 27x16x25 in (stand)	57x28x40 in	64x35x38 in (body) 29x22x24 in (stand)	
N.W./G.W.	468/541 lbs	381/496 lbs	559/632 lbs	485/606 lbs	771/859 lbs	



Specifications subject to change without notice.



BS-1810G

- Automatic feeding & clamping
- 3m length feeding and back platform
- Height of feeder stand: 33.46"
- Max. feeding (single): 19.68"
- Effective width of feeder stand: 18.11"
- Optional: Servo motor with variable speed
- Metric and inch two kinds of feeding length can be selected
- With manual defend net, can protect operator's safety effectively

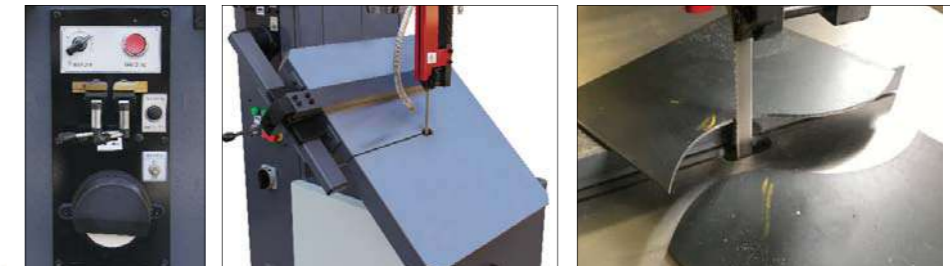
Stock No.	188127		
Model	BS-1810G		
Capacity	Circular	@90°	13"
	Rectangular	@90°	18"x9.8"
	Circular	@60° Right	8"
	Rectangular	@60° Right	8"x9.8"
	Circular	@45° Right	12"
Rectangular	@45° Right	12"x9.8"	
Blade speed @60 Hz	48/96 MPM		
Blade size	1.3"x0.043"x159.9"		
Motor power	1.5/2.2kW		
Drive	Gear		
Packing size	98x90x64 in		
N.W./G.W.	3351/3649 lbs		

Vertical Band Saws



VS-1611 (VS-2012 /2313)

- Blade guard height adjustable
- Variable blade speed by programming inverter
- Table tilted R-45°,L-15°(VS-1611),R-30°,L-15°(VS-2012/2313)
- Can make various kinds of cutting such as beveling, shaping, contour, slicing etc.
- Used for various material cutting such as metal, plastic, wood, rubber, etc.
- Standard working light
- Table gauge available



Stock No.	188201	188202	188203
Model	VS-1611	VS-2012	VS-2313
Max. cutting capacity height	11.2"	12.2"	13.2"
Max. cutting capacity width	15.7"	19.7"	23"
Table size	21.7"x23.6"	26"x27.6"	26"x27.6"
Motor speed@60Hz	0-1680 rpm	0-1680 rpm	0-1680 rpm
Blade speed@60Hz	18-312 MPM	18-394 MPM	18-394 MPM
Length of saw blade	133-136 in	156-159 in	174-178 in
Width of saw blade	0.1-0.6 in	0.1-0.6 in	0.2-0.7 in
Table tilt	R-45°,L-15°	R-30°,L-15°	R-30°,L-15°
Main motor	1.5kW 2HP	1.5kW 2HP	1.5kW 2HP
Grinder motor	0.09kW 1/8HP	0.09kW 1/8HP	0.09kW 1/8HP
Electric welder	2.4 KVA	2.4 KVA	2.4 KVA
Packing size	42x31x78 in	55x35x86 in	58x37x90 in
N.W./G.W.	683/838 lbs	1065/1206 lbs	1223/1411 lbs

DOUBLE COLUMN HORIZONTAL BAND SAW



TGK-08

- Equipped with a reliable gear drive and manual clamping vice
- The double column structure with vertical lifting
- The gear system offers two cutting speeds



Video



TBK-11

- Auto shut off when cutting complete
- Hydraulic cylinder to control saw bow down feed
- Control panel, easy to operate the machine
- Belt drive bandsaw, 3 cutting speed



DOUBLE COLUMN HORIZONTAL BAND SAW

- Double column bandsaw, vertical up and down
- Auto shut off when cutting complete
- Hydraulic cylinder to control saw bow down feed
- Control panel, easy to operate the machine
- Angle cutting max. 45°
- Belt drive bandsaw, 3 cutting speed



Video



TBK-11A

Stock No.	271211	
Model	TBK-11A	
Max. cutting capacity	90°	φ 11"-12.5"x11"
	45°	φ 6.6"-6.6"x11"
	30°	φ 10.2"-10.2"x11"
Cutting speed	88,148,226 ft/min	
Feed speed	Hydraulic variable speed	
Blade size	1.06"x0.035"x143"	
Workpiece clamping	Hydraulic	
Blade tensioning	Mechanical	
Main motor power	3.0kW	
Oil pump motor power	0.55kW	
Drive	Gear	
Packing size	65x36x52 in	
N.W/G.W	1808/2127 lbs	



TGK-14



TGK-16



- Double column structure, vertical lifting
- Cutting speed adopts hydraulic control, variable speed.
- Hydraulic clamping, easy for operation.
- Optional:hydraulic clamping system with three positions.



TGK-16A



- Hydraulic blade tension is standard
- Standard working light and cooling system
- Standard extra clamp for hexagonal bundle material cutting
- 3.0/4.0 kW double speed motor to get two saw blade speed, 36,56 m/min
- Double column structure, saw frame vertical lifting, high stability
- Saw frame descent by hydraulic control, variable speed
- Hydraulic clamping vice and hydraulic blade tension adjustment



RB-460E

- Optional:Electric feed roller table



GZ4265



Stock No.	162232
Model	GZ4265
Max. cutting capacity	φ 25.59"-25.9"x25.9"
Flat height	23.22"
Cutting speed	Stepless inverter contro
Blade size	1.61"x0.05"
Main motor power	5.5kW 7.38HP
Oil pump motor power	1.5kW 2HP
Water pump power	0.12kW 0.16HP
Band saw blade tension	Hydraulic
Clamping	Hydraulic
Hydraulic pump flow	15 L/min
Packing size	153x67x94 in
N.W/G.W	7980/8157 lbs

- GZ4265 horizontal metal strip cutting machine is a special cutting equipment, it uses metal saw blades as cutting tool and is designed for cutting metal materials. Mainly used to cut square and round ferrous metal profiles and various profiles, it is also used to cut non-ferrous and non-metallic materials.
- It cuts at high speed, with efficient section forming and low energy consumption. It is considered efficient cutting equipment since it saves material and energy.
- The main transmission of the machine uses a high durability gear box.
- Adjustable cutting speed.
- The forward speed is adjusted by a hydraulic stepless speed regulation system. This allows the cutting needs of different materials to be met.
- Clamping of the workpiece is carried out using the hydraulic system. This drastically reduces work intensity and increases job security.
- The system is compact and offers convenient operation and maintenance, among other features.

Stock No.	271201	188302	188303	188304	271210
Model	TGK-08	TGK-14	TGK-16	TGK-16A	TBK-11
Max. cutting capacity	φ 7.87"-7.87"x7.87"	φ 13.8"-13.8"x13.8"	φ 15.7"-15.7"x15.7"	φ 15.7"-15.7"x15.7"	φ 11"-11"x11"
Cutting speed	91.8,147.6 ft/min	177,272 ft/min	141,220 ft/min	141,220 ft/min	28,45,69m/min
Feed speed	Hydraulic variable speed	Hydraulic variable speed	Hydraulic variable speed	Hydraulic variable speed	Hydraulic variable speed
Blade size	1.06"x0.035"x104.33"	1.3"x0.04"x162"	1.6"x0.05"x196.8"	1.6"x0.05"x196.8"	1.06"x0.035"x138"
Workpiece clamping	Manual	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Blade tensioning	Manual Mechanical	Hydraulic	Hydraulic	Hydraulic	Mechanical
Main motor power	1.3/1.8kW	2.2/2.8kW	3.0/4.0kW	3.0/4.0kW	3.0kW
Oil pump motor power	0.55kW	0.55kW	0.75kW	0.75kW	0.55kW
Coolant pump motor power	0.04kW	0.04kW	0.045kW	0.045kW	-
Drive	Gear	Gear	Gear	Gear	V-belt
Packing size	65x36x52 in	88x45x68 in	106x53x85 in	106x53x85 in	86x51x63 in
N.W/G.W	794/1014 lbs	1940/2183 lbs	2921/3208 lbs	3031/3318 lbs	1529/1835 lbs



CIRCULAR SAWS



CS-12/14



CS-11



CS-14V



- Easy manual press
- Vice complete with anti-burr device
- Reduction unit in an oil bath
- 24V volts low voltage installation withhold to run had control knob
- The HSS saw blade of our circular saw is highly efficient and durable.
- The double clamp structure can quickly clamp materials and rotate 45° from side to side for cutting.
- Double speed motor for CS-12/14, with low noise, can slow down through worm and gear.
- The safety hood of the saw blade opens or closes according to the cutting needs, making it safe.
- Membrane pump for coolant, can prolong the service life of the saw blade and improve the precision of the workpiece.



Video

Stock No.	188025	188022	188019	188020	188029
Model	CS-9	CS-11	CS-12	CS-14	CS-14V
Max. blade size	8.9"	10.8"	12.4"	13.8"	13.8"
Capacity	Circular @90°	2.36"	2.75"	4"	4.7"
	Rectangular @90°	2"x2"	3.5"x1.77"	5.5"x3.5"	5.5"x4"
	Circular @45°	2.05"	2.56"	3.5"	4.1"
	Rectangular @45°	2"x2"	2.75"x1.77"	4"x3.5"	4"x4"
Blade speed @60Hz	50rpm	50rpm	21,43rpm	21,43rpm	20-41rpm
Vice opening	2.8"	4"	5.7"	5.7"	5.7"
Motor power	750W 1HP	1.1kW 1.5HP	750W 1HP/1.3kW 1.7HP (3PH)		1.5kW 2HP (1PH)
Drive	Gear	Gear	Gear	Gear	Gear
Packing size	28x20x25 in	35x22x29 in (body) 30x18x12 in (stand)	39x25x39 in (body) 30x22x19 in (stand)	39x25x39 in (body) 30x22x19 in (stand)	39x25x39 in (body) 30x22x19 in (stand)
N.W/G.W	138/165 lbs	326/383 lbs	500/575 lbs	520/594 lbs	520/594 lbs

CUT-OFF SAWS

**TV-12
(TV-14/16)**



- Saw head miter 45° left and right with quick lock.
- It is suitable for cut-off the round, special pipe and all kinds of angle steel and flat steel.
- 24V volts low voltage installation withhold to run had control knob
- The safety hood of saw blade opens or closes according to the cutting needs, making it safety.
- Can rapidly fasten the working platform
- Vice complete with anti-burr device
- It is suitable for cut-off the round, special pipe and all kinds of angle steel and flat steel.

Stock No.	188023	188024	188026	
Model	TV-12	TV-14	TV-16	
Max. blade size	11.8"	14"	15.7"	
Capacity	Circular @90°	4"	4.7"	5.5"
	Rectangular @90°	2.7"x4.7"	3.1"x4.7"	3.5"x4.7"
	Circular @45°	3.5"	4.1"	4.7"
	Rectangular @45°	2.7"x3.5"	3.5"x4"	3.5"x4.3"
Blade speed @60Hz	6480rpm	5160rpm	3840rpm	
Vice opening	7.5"	7.5"	8.6"	
Motor power	4kW	4kW	5.5kW	
Drive	Belt	Belt	Belt	
Packing size	34x22x33 in (body) 24x20x30 in (stand)	34x25x36 in (body) 24x20x30 in (stand)	44x30x40 in (body) 32x25x23 in (stand)	
N.W/G.W	309/363 lbs	320/375 lbs	357/450 lbs	



Specifications subject to change without notice.



Make what you like

GRINDER

■ Belt Grinder

■ Belt / Disk Sander



BG-2B

- 2" /50mm width abrasive belt
- A compact machine with a great working potential
- Grinds, clears brushes and removes the edges of different types of pieces



**Belt Grinder
BG-3**

- High speed
- Rounds on 220V -3PH Power
- 3"x79" abrasive belt
- Optional dust collector
- Optional Triangular stand



**Light Duty
Belt Grinder
BG-4**

- High belt speed
- Quick-adjusting belt angle
- Vibration-free operation
- Large face sanding area

Light Duty Belt Grinder



BG-3L



BG-6L

Stock No.	189014	189001	189023	189021	189002	189024	189022
Model	BG-2B	BG-3	BG-3L	BG-4	BG-6	BG-6L	BG-9
Motor Power	0.75 kW (1PH)	3.0 kW (1PH)	3.0kW (3PH)	1.1 kW (1PH)	2.2/2.8 kW (1PH)	3.0 kW (3PH)	3.0 kW (3PH)
Contact Wheel	φ 4"x3"	φ 7.87"x3"	φ 7.87"x3"	φ 5.12"x4"	φ 9.84"x6"	φ 7.87"x6"	φ 7.87"x8.7"
Blade size	69"x3"	79"x3"	79"x3"	48"x4"	79"x6"	79"x6"	79"x8.7"
Belt Speed@60Hz	53 ft/sec.	135 ft/sec.	115 ft/sec.	76 ft/sec.	69/135 ft/sec.	115 ft/sec.	115 ft/sec.
Packing size	31x20x23 in	46x22x22 in	46x23x28 in	41x22x24 in	45x25x27 in	48x30x28 in	48x30x28 in
N.W/G.W	110/143 lbs	187/243 lbs	159/209 lbs	99/141 lbs	242/304 lbs	203/275 lbs	260/363 lbs



**Belt Grinder
BG-6**

- Quick adjusting belt angle
- Vibration-free operation
- Double belt speed
- Large faces sanding area
- With double speed motor
- Optional dust collector
- Optional Triangular stand



**Belt Grinder
BG-9**

- A combination of radius grinder and surface sander
- Adjustable working position



Video

Metal Dust Collector



DVS-14

- Fan blades and enclosure made of aluminum
- Pull-out tray for easy waste disposal
- Simple filter change
- Cyclone technology ensures quiet and effective operation
- Noise Level: Under 85DB within 1 meter

Stock No.	189006
Model	DVS-14
Max. air throughput	494 cuft/min
Max. flow	82 ft/sec.
Filter	12" x16"x0.1"
Hose size	3"x59"
Motor power	0.55kW
Packing size	36x23x33 in
N.W/G.W	147/156 lbs



**Belt/Disk Sander
BG-2**

- A combination of belt grinder and disk sander
- Smart dimensions and easy to carry



**Belt/Disk Sander
BTM-250**

- Support table for disk and belt grinding
- Table tilt up to 45° for mitering edge
- Easy belt change with quick-lock
- Belt sander can be based horizontally and vertically
- Dust collection port for belt and disk grinder
- Optional exhaust connector

Stock No.	189007
Model	BTM-250
Belt dimension	6" x48"
Belt speed@60Hz	28 ft/sec.
Table dimension	5.9" x10.5"
Angular table adjustment	45°
Disk diameter	9.8"
Table dimension	7.4" x12.9"
Disk speed@60Hz	2100 rpm
Chamfer angle	15°
Motor power	1.1 kW
Packing size	31x20x45 in
N.W/G.W	198/264 lbs

Stock No.	189012
Model	BG-2
Motor power	0.75 kW (1PH)
Belt size	2"wide x 40" long abrasive belt
Belt speed@60Hz	89 ft/sec.
Disk size	6" diameter grinding section
Disk run speed @60Hz	3300 rpm
Packing size	22x18x17 in
N.W/G.W	55/60 lbs

Disc Sander

BTM-500

- Featured in Variable speeds
- Easy-to-use hand wheel chamfer adjustment lets you position the chamfer up to 45° vertically.



Stock No.	189070
Model	BTM-500
Disc size	20"
Disc speed @60Hz	500-1800 rpm
Table size	12" x25-1/16"
Table tilt	0-45° R
Floor-to-table height	36"
Footprint	26-1/2" x19"
Packing size	30x28x54 in
N.W/G.W	298/342 lbs

Tube And Profile End Grinder

- Vertical and horizontal operation
- Double speed motor forward & reverse control
- Standard: dust collector connector.

φ30mm Roller.



Video



PRS-4A

Special Roller Size for Optional		Stock No.	189013
Metric	Inch	Model	PRS-4A
20mm	1/2"	Motor Power	2.2/2.8 kW (3PH)
26mm	3/4"	Adjustable Slide	7.87" x2.95"
32mm	1"	Belt Size	4" x79"
42mm	1-1/4"	Belt Speed@60Hz	49/118 ft./sec.
48mm	1-1/2"	Grinding area	30° to 90°
60mm	2"	Packing size	54x24x27 in
76mm	2-1/2"	N.W/G.W	352/418 lbs





GD-25

GD-25B

- Geared head drilling with Max. 0.98" /25mm capacity
- Double speed motor with forward & reverse switch
- Adjustable height drilling head suitable for different height workpieces
- T-slotted work table rotates 360° for GD-25
- T-slotted base can be used to fix column shape workpieces
- Drill ejector lever

Adjustable speed @60Hz (RPM)

1	130	420	535	1745
2	260	840	1070	3200

8 steps spindle speeds

- Motor speed select switch
- Gear speed shift handles
- Gear speeds schematic

Adjustable speed @60Hz (RPM)

108	162	240	360
528	805	1175	1800

- 1.5" drilling capacity
- MT4 spindle
- 8 speeds.
- Standard working light & coolanting system



Video

GD-40



Stock No.	190018	190017	190004
Model	GD-25B	GD-25	GD-40
Max. drilling dia.	0.98"	0.98"	1.57"
Spindle travel	4.92"	4.92"	5.9"
Tapping capacity steel/cast iron	M10 / M16	M10 / M16	M18 / M22
Morse taper	MT3	MT3	MT4
Motor power	0.65 kW / 0.9 kW (3PH)	0.65 kW / 0.9 kW (3PH)	2.2 kW (3PH)
Spindle speeds @60Hz	130-260-420-840-535-1070-1745-3200	130-260-420-840-535-1070-1745-3200	108-162-240-360-528-805-1175-1800
Feed Speed	-	-	0.1-0.16-0.24-0.33 mm/rev
Packing size	37x19x30 in	65x22x30 in	77x27x34 in
N.W/G.W	299/367 lbs	462/540 lbs	606/640 lbs

DRILLS

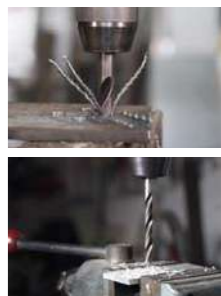
■ Vertical Drilling Press

■ Drill Bit Re-Sharpener

■ Drilling and Milling Machine

■ CNC Collet/Chuck/Holder

- Single phase motor
- With variable speed.
- Driven by gear with high torque.
- Large capacity for drilling and tapping
- Casting iron structure for long durability
- Coolant as standard
- Safety guard with Micro switch
- With mechanical automatic feed



DP-32

DP-40

Stock No.	190030	190031
Model	DP-32	DP-40
Max. drilling capacity	1.25"	1.57"
Max. tapping capacity	0.75"	0.98"
Swing	20.8"	20.8"
Spindle taper	MT3	MT4
Spindle travel	5.9"	5.9"
Spindle speed	245-2000 rpm 65-540 rpm	245-2000 rpm 65-540 rpm
Spindle nose to table	20.8"	23.8"
Spindle nose to base	46.5"	45.2"
Quill diameter	2.95"	2.95"
Column diameter	4.52"	4.52"
Motor power	2.2kW	2.2kW
Table size	22"x18.7"	22"x18.7"
Table slot	0.625"	0.625"
Base size	26.9"x19"	26.9"x19"
Packing size	37x19x30 in	38x26x90 in
N.W/G.W	742/876 lbs	832/979 lbs

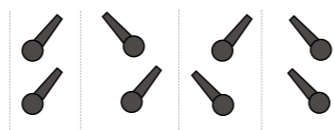
VERTICAL DRILLING PRESS



- Gear drive, 8 different cutting speed
- Both head and the working table lift with fast locking device
- Table tilt on left and right up to 50°
- Forward / Reverse turning switch
- A gauge help setting the drilling depth
- Includes a protective guard around the spindle for your safety
- Standard with a Key-less Drill Chuck



Adjustable speed @60Hz (RPM)



1	120	415	830	1740
2	245	530	1060	3480

- 8 steps spindle speeds
- Motor speed select switch
 - Gear speed shift handles
 - Gear speeds schematic

Stock No.	190042
Model	T5025-3A
Spindle speed @50Hz	120, 245, 415, 530, 830, 1060, 1740, 3480 rpm
Max. drilling dia.	1"
Max. spindle travel	5.51"
Morse taper	MT3
Motor power	0.55/0.75 kW
Distance between center of spindle to surface of vertical column	0.86"
Max. distance between spindle nose to surface of working table	23.62"
Max. distance between spindle nose to base surface	42.32"
Table size	12.4"x10.8"
Base size	12"x11.7"
Packing size	65x24x18 in
N.W/G.W	549/615 lbs

T5025-3A

DRILLING AND MILLING MACHINE



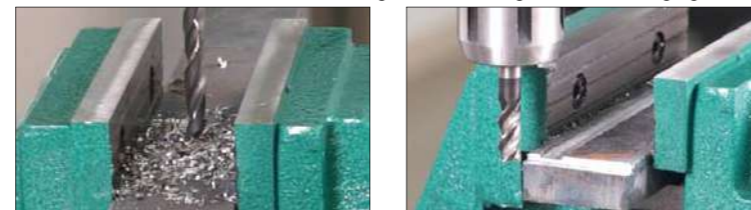
Video



ZX5325C

- Rotary milling head
- Assembled gear drive milling head
- This machine is a small and medium-sized general metal cutting machine tool, capable of vertical milling only
- Suitable for drilling, expanding, reaming and boring processing. If you use disc milling cutters, angle milling cutters, forming milling cutters and face milling cutters, you can mill flat, inclined, vertical and grooves.
- Standard: DRO, machine vice, milling chuck, drilling chuck, working light.

- Table swivel ±45°



Stock No.	183013
Model	ZX5325C
Max. drilling dia.	1.96"
Max. end milling dia.	3.9"
Max. vertical milling dia.	1.2"
Max. tapping dia.	M16
Spindle taper	R8
Spindle speed range	230V/ 460V 280,700,860,2100 rpm
Spindle travel	4.9"
Table size	50"x10"
Table travel	31.5"x11"x15"
Main motor power	0.85/1.5kW
Drive	Gear
Packing size	44x44x87 in
N.W/G.W	1918/2359 lbs



Specifications subject to change without notice.

DRILL BIT RE-SHARPENER



TX-Z13



TX-Z20



TX-Z26



Video

Stock No.	161903	161904	161906
Model	TX-Z13	TX-Z20	TX-Z26
Grinding Range	φ3-φ13mm	φ3-φ20mm	φ13-φ26mm
Point Angle	90°-140°	95°-140°	95°-140°
Motor	120W	120W	250W
Speed	4400 rpm	4400 rpm	4400 rpm
Packing size	14x8x8 in	17x9x8 in	19x11x10 in
N.W/G.W	28/33 lbs	28/33 lbs	51/55 lbs

- Portable drill grinder, accurate and rapid, easy to operate
- The electrically controlled and powerful DC motor, stable frequency, strong horsepower and long service life.
- It can sharpen the drill bit front cutting lip, lip relief angle.
- It can be effective co-ordination with the drilling material and speed, can control the quality and accuracy of the work piece
- Standard with CBN grinding wheel for the HSS material, Optional SDC grinding wheel for the carbide material.
- TX-Z13/TX-Z26 with 13 collets, TX-Z20 with 18 collets.

END MILL SHARPENER

- Portable idiot end mill sharpener can grind 2-flute, 3-flute, 4-flute end mill.
- Grinding is accurate and rapid, easy operation with no skill to grind.
- It can be equipped directly with an accurate angle and long service life.
- Standard with SDC grinding wheel for the Carbide material, Optional CBN grinding wheel for the HSS material.
- TX-X6 with function of grinding the side edge of the spiral milling cutter



TX-X3



TX-X6

Stock No.	161902	161905
Model	TX-X3	TX-X6
Diameter	φ4-φ14mm	φ4-φ14mm
Motor	160W	160W
Point angle	0°-5°	0°-5°
Packing size	14x9x9.4 in	16x9.8x11.8 in
N.W/G.W	26/33 lbs	46/51 lbs
Standard Equipment	Wheel :SDC (for carbide)x1 Six collets(mm): φ4, φ6, φ8, φ10, φ12, φ14, TX-X6 with extra 5 Pcs type 15 collets Two collet chucks: 2,4flutes*1piece, 3,6flutes*1piece	

CNC COLLECT/CHUCK/HOLDER

Horizontal/Vertical Basic Indexing Spacers

ECC-6



- Stock No.: 161306
- Model: ECC-6
- Standard Accessories:
 - 1.3-jaw chuck
 - 2.Six masking plates (2,3,4,6,8and12 position)
- Packing size: 14x12x13 in
- N.W/G.W: 64/75 lbs

Semi-Universal Dividing Head With 3-Jaw Chuck

BS-0



- The 24 quick-dividing holes can complete 2,3,4,6,8,12,24 division indexing
- Tilt from horizontal to vertical (-10° to +90°)
- Standard: 3-Jaw chuck (BS-0 with 5" chuck, BS-1 with 6" chuck), tail stock, dead center, dividing platesx3

Stock No.	162320	162321
Model	BS-0	BS-1
Spindle Bore	0.55"	0.67"
Center Height	3.93"	5.04"
Spindle Mount	1-1/2" x 8 TPI	1-1/2" x 8 TPI
Gear Ratio	40:1	40:1
Spindle Taper Runout	0.0006"	0.0006"
Spindle Taper	MT2	MT3
Packing size	17x10x10 in	20x11x11 in
N.W/G.W	49/51 lbs	81/86 lbs

Horizontal vertical collet index

FNL-100B



- Stock No.: 162325
- Center height: 4"
- Min.ID of spindle:1.25
- Divisions:2.3.4.6.8.12.24
- Spindle screw 24x8
- Dividing accuracy: individual spacing error:±3'
- Packing size: 12x10x11 in
- N.W/G.W: 28/33 lbs

Tail Stock

TS-2

- Stock No.: 161202
- Model:TS-2
- Max. 8.26"
- Min. 5.12"



Dividing Plates



- Stock No.: 161001 **DP-1**

Dividing Plates



- Stock No.: 161002 **DP-2**



Mini 4" Horizontal Vertical Rotary Table



- This 4" Rotary Table offers the added benefit and flexibility of a 90°tilting base.
- Features 360 ° table rotation, four 5/16" T-slots, 1:36 handwheel ratio, 5 Minute scale resolution, and ball-bearing rotary support.
- Table measures 2-5/8" high in the horizontal position, 5/16" Mounting holes.

MHV-4

Mini 4" Rotary Table with Tilting Base MTSK-4

- Horizontal or vertical use
- 5/16"T-slots, 5/16" Mounting holes
- 1:36 Ratio or 10° per handwheel revolution
- Scale reads to 15°
- Table height in horizontal position is 2-1/8", table height in vertical position is 4-1/8".



Stock No.	161102	161103
Model	MHV-4	MTSK-4
Packing size	10x7x3 in	10x7x3 in
N.W/G.W	9/10 lbs	11/13.2 lbs

Horizontal Vertical Rotary Table



HV-4



HVP-41/HVP-61



HV-6/HV-8



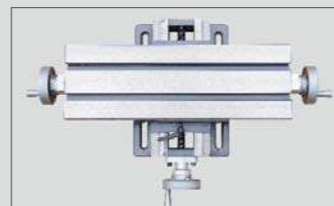
HV-10/HV-12

Stock No.	161104	162311	161106	162312	161108	161110	161112	162314	162315	162316
Model	HV-4	HVP-41	HV-6	HV-61	HV-8	HV-10	HV-12	TSK-4	TSK-5	TSK-6
Diameter of table	φ4.3"	φ4.3"	φ5.91"	φ5.91"	φ7.87"	φ10"	φ11.8"	φ4.3"	φ5"	φ6"
Morse taper of the center hole	MT2	MT2	MT3	MT3	MT3	MT3	MT4	MT2	MT2	MT2
Height of center for verti mounting	3.37"	3.37"	3.94"	3.94"	5.3"	6.5"	7.6"	-	-	-
Width of T-slot	0.47"	0.31"	0.47"	0.47"	0.55"	0.55"	0.55"	0.47"	0.47"	0.55"
Adjacent angle of T-slot	120°	90°	90°	90°	90°	60°	60°	120°	120°	90°
Width of the locking key	0.47"	0.47"	0.63"	0.63"	0.63"	0.63"	0.63"	0.62"	0.62"	0.62"
Modules of worm and worm gear	1	1	1.5	1.5	1.5	2	2.5	1	1	1
Transmission ratio of the worm gear	1.72	1.72	1.90	1.90	1.90	1.90	1.90	1.72	1.72	1.90
Graduation of the table	360°	360°	360°	360°	360°	360°	360°	360°	360°	360°
Tilting angle	-	-	-	-	-	-	-	0~90°	0~90°	0~90°
Rotating angle of table with one revolution of the worm	5	5	4" (1' Per graduation)	4" (1' Per graduation)	4" (1' Per graduation)	4" (1' Per graduation)	4" (1' Per graduation)	-	-	-
Minimum value of vernier	-	-	10"	10"	10"	10"	10"	20"	20"	20"
Indexing accuracy	-	-	80"	80"	80"	60"	60"	60"	60"	60"
Max.loading(With table Hor.)	88lbs	88lbs	220lbs	220lbs	330lbs	441lbs	551lbs	-	-	-
Max.loading(With table Ver.)	44lbs	44lbs	110lbs	110lbs	165lbs	220lbs	275lbs	-	-	-
Packing size (in)	7.3x3.7x4.4	11.4x9.4x5	10x9.4x5.1	11.4x9.4x5.1	15x12x7	17x14x7	20x17x8.2	12.6x8x7.5	12.6x8x7.5	14x10x7.3
N.W/G.W	17/19 lbs	21/24 lbs	24/27 lbs	26/31 lbs	62/67 lbs	95/100 lbs	156/161 lbs	33/37 lbs	35/40 lbs	42/46 lbs

Heavy Compound Cross Slide Mill Drill Table



TC-18-2



Stock No.	161902
Model	TC-18-2
X Travel	10"
Y Travel	4.7"
Packing size	26x17x8.5 in
N.W/G.W	57/61 lbs

Tilting Rotary Tables



TSK-4



Video



TSK-5



TSK-6



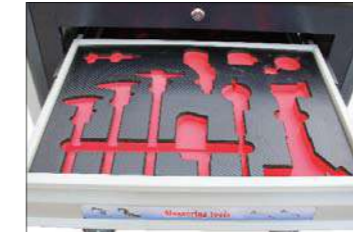
M-12

Clamping Set

6 Drawer Tool Chest 77 Capacity 4 Ball-Bearing on Lockable Wheels Glided Drawers



- Material: Q235 high-quality cold-rolled steel plate
- Material thickness (standard plate):Back hanging plate δ1.2mm,Cabinet δ1.0mm,Drawer δ0.8mm
- The tool cart is equipped with a back hanging board (punch square hole), the top is equipped with LED lights, the top of the hanging board is equipped with two drawing clips, and the right side is equipped with a five-hole socket with switch. The bottom is equipped with six drawers, using three-section ball slide rails, bearing ≤35kg, and controlled by a central lock. There is a stainless steel handle on the right side of the body. The bottom is equipped with 5-inch two fixed two live with brake silent casters.
- Process: The product is made by laser cutting, CNC bending, secondary welding, pickling, degreasing, phosphating, spraying, baking and other processes.



Item No.	187105
Model	GJC-202E
Number of Drawers	6
Number of Wheels	4
Capacity	77 lbs
Product Size	W31xD19"xH39"+27"
Packing size	31.5x21x35 in
N.W./G.W.	160/164 lbs

Tool Holder CNC Tool Cart

- The upper part of the tool car cabinet is equipped with a three-layer tool cover frame. The top plate of the cabinet is made of European beech wood with a thickness of 25mm. There is a handle on the right side of the cabinet body, which is convenient for pushing and pulling. Rail, load bearing ≤35kg, central locking control, bottom with 5 inch two fixed two live belt brake mute casters.



HQC-540A



HQC-550A

Item No.	162213	162213
Model	HQC-540A	HQC-540A
Tool holder taper	BT40	BT50
Tool holder QTY	24	21
Number of Drawers	5	5
Number of Wheels	4	4
Capacity	77 lbs	77 lbs
Assembly Required	Yes	Yes
Product Size	W31xD19"xH39"+14"	W31xD19"xH39"+14"
Packing size	32.2x20.4x35 in	32.2x20.4x35 in
N.W./G.W.	145/150 lbs	145/150 lbs

Tool Holder CNC Tool Cart

- The product is made by laser cutting, CNC bending, secondary welding, pickling, degreasing, phosphating, spraying, baking and other processes.



DJC-940C



DJC-950C

Item No.	162215	162216
Model	DJC-940C	DJC-950C
Tool holder taper	BT40	BT50
Tool holder QTY	42	30
Product Size	W33"xD27"xH8"	W33"xD27"xH8"
Packing size	31.5x21x35 in	31.5x21x35 in
N.W./G.W.	160/164 lbs	160/164 lbs





C-CLAMP

- Heavy duty malleable steel frame
- Durable baked enamel finish
- Sliding T-bar handle
- Chrome plated steel screw with swivel pad
- Always Guaranteed

Stock No.	176331	176332	176333	176334	176335	176336	176337	176338	176339
Jaw opening	1"	2"	3"	4"	5"	6"	8"	10"	12"
Weight	0.2 lbs	0.4 lbs	0.9 lbs	1.3 lbs	1.9 lbs	2.4 lbs	3.3 lbs	4.4 lbs	7.3 lbs

Drill Press Vise

BSM-75N, BSM-100N, BSM-125N, BSM-150N

- Easy vices series in high quality
- Smooth running with exact jaw guides, also at a high axial load
- Rolled trapezoidal spindle
- Different possibilities of positioning long holes in the foot of the vice 3", 4", 5", 6" refer to Jaw width.

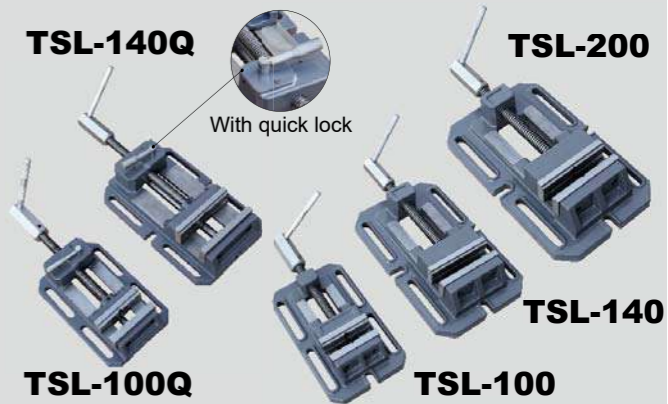
- Easy operation with a smart body
- Fixing plate harden-processed

4" Drill Press Vise
BSM-100



5" Drill Press Vise
BSM-125

TSL-140Q



TSL-200

TSL-140

TSL-100

Stock No.	176310	176311	176312	176313	176314	176321	176322	176323	176324	176303	176304
Model	TSL-100	TSL-140	TSL-200	TSL-100Q	TSL-140Q	BSM-75N	BSM-100N	BSM-125N	BSM-150N	BSM-100	BSM-125
Jaw width	4"	5-1/2"	8"	4"	5-1/2"	3"	4"	5"	6"	4"	5"
Jaw height	1-1/2"	2"	2-1/2"	1-1/2"	2"	1-1/16"	1-1/16"	1-1/2"	1-1/2"	1-3/8"	1-7/8"
Jaw opening	4"	5-1/2"	8"	4"	5-1/2"	2-1/8"	3-3/4"	4-1/2"	5-3/8"	4"	5"
Packing size	16"x9"x5"	19"x11"x6"	26"x14"x7"	16"x9"x5"	19"x11"x6"	6"x2"x9"	7"x2"x11"	7"x3"x12"	9"x3"x13"	13"x8"x4"	15"x8"x4"
N.W./G.W.	19/22 lbs	42/44 lbs	79/81 lbs	15/17 lbs	26/29 lbs	5/7 lbs	7/9 lbs	10/12 lbs	15/17 lbs	9/11 lbs	22/24 lbs

Home Vise



HVS-100

- Good choice for DIY and hobby use.

Industrial Grade Bench Vise



**HIS-150/
HIS-200**

- Made from HT200 grey cast iron
- 120 degree swivel base

Stock No.	169304	168306	168308
Model	HVS-100	HIS-150	HIS-200
Size	4"	6"	8"
Jaw Width	4"	6"	8"
Max Opening	4"	6.69"	8.66"
Throat Depth	2.4"	3.39"	4.33"
Clamping Force	10 KN	29 KN	40 KN
Packing Size	22x11x7 in	20x5x10 in	24x11x11 in
N.W./G.W.	11/12 lbs	42/47 lbs	91/93 lbs

American Type Bench Vise



AVS-100

Heavy Duty Bench Vise



AVS-125/AVS-150

Heavy Duty Bench Vise



HPS-75



**HPS-125/
HPS-150**

Stock No.	169504	169505	169506	169803	169804	169805	169806
Model	AVS-100	AVS-125	AVS-150	HPS-75	HPS-100	HPS-125	HPS-150
Size	4"	5"	6"	3"	4"	5"	6"
Jaw Width	4"	5"	6"	3"	4"	5"	6"
Max Opening	4"	5"	6"	3.54"	4"	5.12"	6"
Throat Depth	-	-	-	1.97"	2.17"	2.27"	2.99"
Clamping Force	20 KN	25 KN	30 KN	10 KN	10 KN	15 KN	20 KN
Packing Size	15x13x9 in	17x7x9 in	18x9x10 in	10x5x6 in	11x5x6 in	14x6x7 in	16x7x8 in
N.W./G.W.	27/29 lbs	36/38 lbs	55/60 lbs	10/11 lbs	15/16 lbs	25/26 lbs	38/40 lbs

CLAMPING

- C Clamp
- Home Vise
- American Type Bench Vise
- Drill Press Vise
- Industrial Grade Bench Vise
- Heavy Duty Bench Vise



KAKA
INDUSTRIAL
Make what you like

DEBURRING CUTTER

KAKA INDUSTRIAL

780-17PC

680-12PC

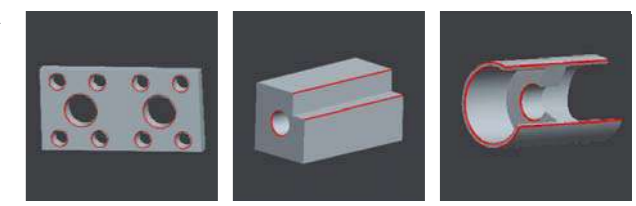
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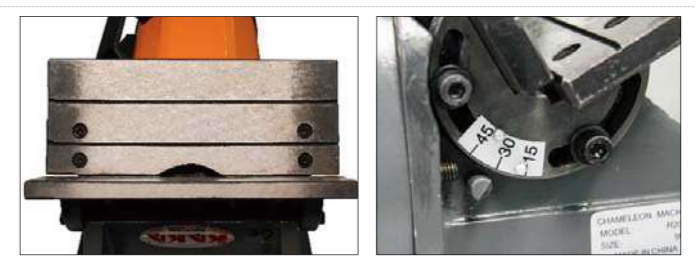
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This production is used for the final procedure-deburring in the machining, which can be used in any shape such as convexity, rotundity, squareness, oblateness, various groove, linearity, curvilinear. circular hole, flat hole, branch hole where are easy to produce deburring.



Hand LevePortable Chamfer machiner Shear



- Applying to make untreatment parts of machine, mould shelf which is not easy to move. It is convenient and easy to operate.
- It is easy to replace stand tungsten steel quadrilateral edge (413051), and can use an old cutter.
- It is accurate and with perfect surface

Stock No.	161901
Model	TX-R200A
Chamfering height	0-9mm
Chamfering angle	15°-45°
Power	550W, 110V
Speed	0-6000rpm
Packing size	17x7-7/8x8-5/8 in
N.W/G.W.	28/33 lbs

SHEARING

- Deburring Cutter
- Guillotine Shear
- Electric Shearing Machine
- Tube /Pipe Notcher
- Hole Punch
- Hand Lever Shear
- Foot Shear
- Angle Notcher
- Manual Bar Shearing
- Hydraulic Ironworker

HAND LEVER SHEAR



Video

Hand Lever Shear HSG-8

- Rigid cutter body
- Level arm with compensating spring
- Easy cutting across the entire length

HS-5 (6/8/10/12)



Stock No.	172101	172102	172103	172104	172105	172303
Model	HS-5	HS-6	HS-8	HS-10	HS-12	HSG-8
Blade length	5"	6"	8"	10"	12"	8"
Capacity (Mild steel)	Plate steel	0.24"	0.24"	0.24"	0.24"	0.24"
	Flat steel	2.76"x0.24"	2.76"x0.24"	2.76"x0.24"	2.76"x0.24"	2.76"x0.24"
	Round steel	0.43"	0.43"	0.51"	0.51"	0.51"
Packing size	16x15x6 in	16x15x6 in	16x16x6 in	21x19x6 in	21x19x6 in	20x6x18 in
N.W/G.W.	20/22 lbs	22/24 lbs	37/40 lbs	46/51 lbs	57/62 lbs	42/44 lbs

GUILLOTINE SHEAR

- The shear is hand control and simple operation
- Special used for thin plates
- Suitable for metal plate and plastic plate
- The hand shear is with hand control and simple operation
- Knives made of hardened tool steel



HS-20/30/40/52

Stock No.	172107	172102	172103	172104
Model	HS-20	HS-30	HS-40	HS-52
Bed Width	20"	31"	39"	52"
Max. shearing thickness	16 Ga.	16 Ga.	16 Ga.	16 Ga.
Packing size	31x11x17 in	45x11x22 in	55x11x22 in	67x11x22 in
N.W/G.W.	79/82 lbs	101/132 lbs	125/165 lbs	160/200 lbs



Specifications subject to change without notice.

FOOT SHEAR



Q01-5216

- A fully casting structure
- Used for mild steel, aluminium copper, brass, zinc, plastic and leads
- With both front & back gauge
- With heavier weight, good stability
- High carbon and chrome steel blade



Video



Q01-5216B

- Quality steel-fabrication construction
- Spring loaded material clamp beam
- Includes front sheet supports and backgauge
- Light duty and cost effective
- Adjustable blade gap clearance for thin material

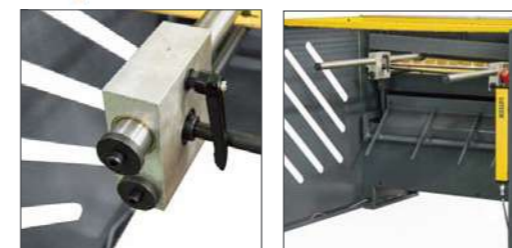
Stock No.	172002	172015	172016
Model	Q01-5216	Q01-5216B	Q01-9818B
Width	52"	52"	98"
Max. shearing thickness	16Ga.	16Ga.	18Ga.
Back gauge range	0"-27.5"	31.5"	31.5"
Packing size	66x30x45 in	71x24x47 in	107x29x54 in
N.W/G.W.	999/1119 lbs	902/1254 lbs	1540/1870 lbs

ELECTRIC SHEARING MACHINE



Q11-4811A

- Max. cutting 48" width, and 11Ga at full width cutting
- Manual adjustable 25" back gauge
- Two shearing edge to get long cutting life
- Back side with pneumatic steel catcher
- Cutting width smaller than 4.3" could slide from the front sheet pallet
- Hold-down to fixed the plate well for precise cutting
- 2 modes on the operator console
- Inch mode: Jog the control and ease the blade down to the material.
- Single mode: Make one cut cycle per foot pedal push.



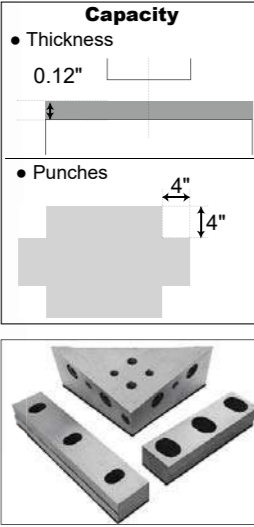
Stock No.	186108
Model	Q11-4811A
Max. shearing thickness	11Ga.
Max. shearing width	49"
Shearing angle	2°
No. of stroke	28 per/minute
Motor power	3 kW (3 PH)
Back gauge	25"
Packing size	72x46x52 in
N.W/G.W.	1918/2150 lbs

ANGLE NOTCHER



90 ° Angle Notcher

- Rigid steel frame
- Fine reading scales
- Adjustable precision guide plates



Stock No.	172403
Model	HN-1104
Thickness	0.12"
Punches	4"x4"
Ram stroke	1.2"
Packing size	18x18x30 in
N.W/G.W.	198/231 lbs



Hydraulic Right Angle Notcher

- Cuts up to 0.25" (6.5 mm)
- 10"x10" (250x250 mm) notch size
- Convenient operation
- Auto adjusting for blade clearance
- Notching angle fixes in 90° with high notching speed
- Compact structure, small volume and convenient operation



Stock No.	172410
Model	HNM-6
Cutting angle	90°
Max. cutting length	9.8"
Max. cutting thickness	0.25"
No. of stroke	24 per/minute
Size of working table	32"x29"
Motor power	4 kW
Motor speed	1440 rpm
Oil tank volume	35 L
Max. working pressure	12 mpa
Packing size	40x33x55 in
N.W/G.W.	1386/1485 lbs

Hydraulic Adjustable Angle Notcher



HNM-6A

- High speed and precision
- Angle range from 30°-140°
- Gauge device for convenient sheet metal location
- Suitable for various thickness and material sheet
- With punching function up to 0.157"(40 mm) diameter
- Auto adjusting for blade clearance
- Sheet metal holding device for good shearing edge

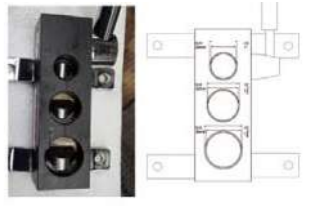
Stock No.	172411
Model	HNM-6A
Max. Cutting length	7.87"
Max. Thickness	0.23" (3 Ga.)
Cutting angle	30-140°
Max. Travel	1.65"
Max. Punching dia.	1.57"
System Pressure	18 Mpa
Motor power	4kW
Packing size	47x40x55 in
N.W/G.W.	2244/2420 lbs



TUBE / PIPE NOTCHER

- Sturdy and durable steel frame holds your work-pieces rigid during operation
- Base is adaptable to any worktable and is especially suitable to be mounted on drill presses.

Stock No.	176201	176201
Model	PN-1/2A	PN-1/2S
Tubing capacity	2"	2"
Spindle	0.75"	0.75"
Spindle adapter	0.5" to 0.625"	0.5" to 0.625"
Angle adjustment	0-45°	0-45°
Packing size	12x7x5 in	12x7x8 in
N.W/G.W.	6/7 lbs	10/11 lbs



Stock No.	176203	176204	176205	176212	176203	176213	176214	176215	176216
Model	RA-1	RA-2	RA-3	RA-4	RA-5	RA-6	RA-7	RA-8	RA-9
Capacity	1/4", 1", 1/2"	3/4", 1", 1-1/4"	1-1/2", 2"	1-3/4", 2"	1", 1-1/4", 1-1/2"	7/8", 1", 1-1/4"	1", 1-1/4", 1-1/2"	7/8", 1-1/4", 1-3/8"	1", 1-1/4", 1-3/8"
Packing size	21x8x7 in	21x8x7 in	21x8x7 in	20x8x7 in	20x8x7 in	20x8x7 in	20x8x7 in	20x8x7 in	20x8x7 in
N.W/G.W.	13/15 lbs	18/20 lbs	33/35 lbs	38/39 lbs	19/20 lbs	19/20 lbs	23/25 lbs	19/20 lbs	19/20 lbs

MANUAL BAR SHEAR

- Double functions for cutting & punching
- Rigid cutter for sheet metals, flat steel and round/ square/angular steel
- Round deep-hole, square or similar stamps
- A good choice for sheet-metal users
- Optional 9 round punches and dies: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"

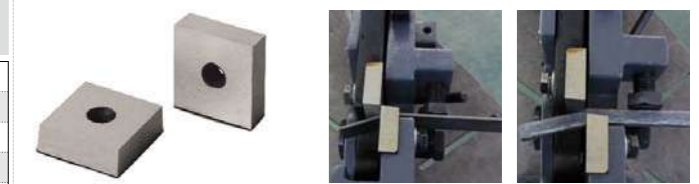


Stock No.	172304	
Model	PBS-9	
Max. punching capacity	0.31"	
Throat depth	6.3"	
Standard die	0.63"	
Capacity (mild steel)	Round steel	0.87"
	Square steel	0.79"
	Flat steel	3.54"x0.55"
	Angle steel	2.36"x0.28"
	T-steel	2.36"x0.28"
Plate steel	0.39"	
Body packing size	44x15x37 in	
Handle packing size	48x7x5 in	
N.W/G.W.	286/348 lbs	



MS-20/24/28/32

- Bolt to bench or table top.
- Blade can be easily replaced.
- Best for cutting plate steel, rod steel, flat steel.
- Durable steel frame cutter includes hardened high carbon steel blade.



Stock No.	172201	172202	172203	172204
Model	MS-20	MS-24	MS-28	MS-32
Capacity (mild steel)	Round steel	0.79"	0.95"	1.1"
	Flat steel	1.1"x0.3"	1.3"x0.4"	1.5"x0.4"
	Square steel	0.71"x0.71"	0.79"x0.79"	0.95"x0.95"
	Plate steel	1.1"x1.1"	1.5"x1.1"	1.5"x0.5"
Packing size	17x15x8 in	17x15x9 in	18x10x18 in	20x10x19 in
N.W/G.W.	35/37 lbs	55/60 lbs	75/86 lbs	101/115 lbs

THROATLESS SHEAR



Stock No.	172503	172501	172502	172504
Model	MMS-1	MMS-2	MMS-3	MMS-4
Max. shearing thickness	22 Ga.	20 Ga.	16 Ga.	20 Ga.
Packing size	13x4x5 in	8x7x10 in	13x10x14 in	20x13x9 in
N.W/G.W.	3/4 lbs	17/20 lbs	46/48 lbs	16/17 lbs





Combination of shear, brake & punch



- The Punch Tools versatile Hanger Board is the ultimate tool for onsite sheet metal fabrication.
- This three-in-one tool can bend, punch, and cut a variety of materials and sizes, making customer installation easy and affordable.

Stock No.	172310
Model	PBS-9
Hole capacity	Up to 9/32"
Shear Capacity	16 Ga.
Bending Capacity	16 Ga.
Bend angle	90°
Dimensions(L/W/H)	43x5x14 in
N.W/G.W.	35/46 lbs



C-type Working Head

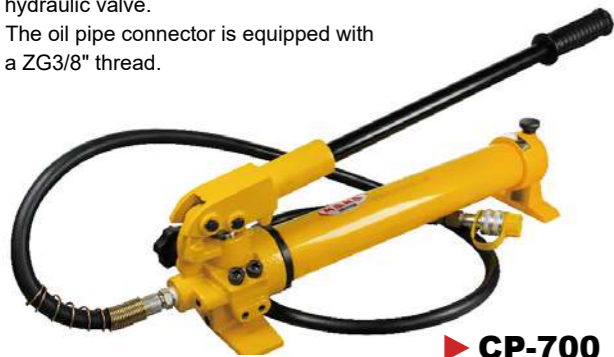
- Hydraulic Hole Punching Tool or Iron Plate Copper Bar Aluminum Stainless Steel
- It is equipped with a ZG3/8 quick coupler and dust cap.
- 4 sets standard round toolings, including ϕ 3/8" (10.5mm), ϕ 1/2" (13.8mm), ϕ 5/8" (17.5mm), ϕ 3/4" (20.5mm)
- A pump is required (need to purchase separately): CP-700, ZCB-700D etc.
- Optional toolings :
Round: ϕ 5.5mm, ϕ 6mm, ϕ 6.5mm, ϕ 7mm, ϕ 7.5mm, ϕ 8.5mm, ϕ 9mm
Oval: 7x11mm, 9x13mm, 11x17mm, 13x21mm, 17x24mm etc.

Stock No.	162204
Model	CH-70
Standard round tooling	ϕ 3/8", ϕ 3/8", ϕ 5/8", ϕ 3/4"
Capacity	15 Ton
Max thickness	Iron sheet 1/3", Copper Busbar 8/17", Angle iron 1/5"-1/3"
Throat Depth	4.3"
Packing size	14.57x7.28x12.2 in
N.W/G.W.	83/46 lbs

CH-70

Hydraulic Hand Pump

- This pump is designed with dual-stage high and low pressure output, It can operate at any working pressure
- The pressure can be maintained even when stopped in the middle, and the internal design includes a high-pressure safety protection hydraulic valve.
- The oil pipe connector is equipped with a ZG3/8" thread.



CP-700

Stock No.	162205
Model	CP-700
Pressure Rating	700kg/cm ² /10000/psi
Working pressure	Low 20bar, High 700bar
Pressure Rating	Low 20kg/cm ² , High 700kg/cm ²
Oil Amount of Every Minute	Low 13CC, High 2.3CC
Oil storage Capacity	900CC
Packing size	27x6.9x7.3 in
N.W/G.W.	27/46 lbs

Hydraulic Electric Pump

- The low-pressure output adopts plunger type to increase the effective pressure.
- High and low speed two stage design is for quick oil output.
- Over pressure safety valve unit could avoid over pressure damage. The pump automatically release once reach 700kg/cm².
- Automatic pressure maintenance ensures the continuous force during use.
- Oil pipe fitted with ZG3/8 quick coupler and dust cap.



ZCB-700D



Stock No.	162206
Model	ZCB-700D
Working Power	110V Single phase
Power Rating	750W
Max Pressure Rating	70Mpa
Pressure Rating	Low 7Mpa, High 70Mpa
Rated Output	Low 5L/min, High 0.9L/min
Oil Capacity	7L
Packing size	14x11x18 in
N.W/G.W.	62/46 lbs



Specifications subject to change without notice.



- Flat punching • Square bar shear • Right angle notcher • Angle bending • Round bar shear • Press brake • Flat bar shear • Punching • Pipe notching • Slot notcher
- Ironworker is used for Punh, Shear, Notch and Brake mild steel plate, bar-stock and angle.
- A wide range of accessories are available to fabricate rod, square stock, sheet metal and pipe

STANDARD TOOLING

1. Punch dies 15/16" (ϕ 22)
2. Flat steel shear
3. Angle steel shear
4. M-55(10,12) M-60(11,12)



OPTIONAL TOOLING

1. 55ton-2000
 - punch dies 7 sets:
 - Inch: 1-1/16", 13/16", 11/16", 9/16", 7/16", 5/16", 3/16"
 - Metric (mm): ϕ 25, 20, 18, 14, 10, 8, 5
2. 55ton-4000
 - Right angle notcher
3. 55ton-3000
 - Puch heterotypic hole
4. 55ton-6000
 - Brake die
5. 55ton-8000
 - Slot die
6. 55ton-9000
 - Pipe notcher, includes 3/4", 1", 1-1/4", 1-1/2", 2"
7. 55ton-9100
 - Round pipe shearing die
8. 55ton-5000
 - Angle steel: 2"x2"
 - Square: 3/4"x3/4"
 - Round(O.D): ϕ 3/4", ϕ 5/8", ϕ 3/8", ϕ 1/2", ϕ 1/4"
 - Flat steel: width 6"x5/16"
9. 55ton-9200
 - Gauging table kit and fabriators protector



Video



M-55



M-60

Stock No.	181111	181112	
Model	M-55	M-60	
Rated capacity	55 Ton	60 Ton	
Punch capacity	Diameter	1-1/16" dia. in 5/8" plate	1" dia. in 3/4" plate
	Throat depth	7-1/16"	7-1/16"
	Stroke	1-1/4"	1-1/4"
Flat Bar Shearing	Work height	35-7/16"	37-1/2"
	Max. width	1/2"x12" or 3/8"x14"	1/16"x12" or 3/8"x14"
	Max. round	7/8"	7/8"
Angle Shearing	Max. square	7/8"x7/8"	7/8"x7/8"
	Work height	34-5/8"	34-5/8"
	Max. capacity	4"x4"x1/4" or 3"x3"x3/8"	4"x4"x3/8" or 3"x3"x1/2"
Open station	Throat depth	7-3/8"	7-3/8"
	Work height	40-1/2"	40-1/2"
	Open height	8"	8"
Motor power	Shut height	6-3/4"	6-3/4"
	Throat depth	7-1/16"	7-1/16"
	Work height	34-5/8"	35-1/4"
Motor power	4kW (5-1/2HHP)	5.5 kW (7-3/8HHP)	
Packing size	46x45x60 in	48.5x44.5x60 in	
N.W/G.W.	2332/2552 lbs	3417/3637 lbs	



Specifications subject to change without notice.

Specifications subject to change without notice.



KAKA
INDUSTRIAL
Make what you like

BRAKE

- Combination Shear Brake & Roll
- Brake Die Set-with Magnetic
- Pan and Box Brake
- Slidibng Bender

- Mini Metal Bender
- Sheet Metal Straight Brake
- Magnetic Sheet Metal Brake

COMBINATION SHEAR BRAKE & ROLL

KAKA
INDUSTRIAL
8" Manual Mini Shear and Brake Combination



8" MINI

8" Combination Shear, Brake & Roll



3-IN-1/8

12" Combination Shear, Brake & Roll



3-IN-1/12

30" Combination Shear, Brake & Roll



3-IN-1/30

40" Combination Shear, Brake & Roll



3-IN-1/40



52" Combination Shear, Brake & Roll



3-IN-1/52

52" Combination Shear, Brake & Roll



3-IN-1/5216

- Smart 3-IN-1 machine is designed to cut, brake and roll at the same machine.
- Romovable male dies with female dies
- Back gauge standard
- With two position handles
- Shearing mild steel or equivalent
- Segment fingers allow box and pan works (3-in-1/30/40/52/5216)
- Slip roll provided with forming grooves



Optional Stand



B type Stand for 3-in-1/30,3-in-1/40, 3-in-1/52,3-in-1/5216

C type not fit 3-IN-1/5216

Stock No.	171010	171000	171001	171003	171004	171006	171008
Model	8" MINI	3-IN-1/8	3-IN-1/12	3-IN-1/30	3-IN-1/40	3-IN-1/52	3-IN-1/5216
Bed width	8"	8"	12"	30"	40"	52"	52"
Max.shearing thickness	20 Ga.	20 Ga.	20 Ga.	20 Ga.	20 Ga.	20 Ga.	16 Ga.
Max.bending thickness	20 Ga.	20 Ga.	20 Ga.	20 Ga.	20 Ga.	20 Ga.	16 Ga.
Max.bending angle	90°	90°	90°	90°	90°	90°	90°
Max.rolling thickness	-	20 Ga.	20 Ga.	20 Ga.	20 Ga.	20 Ga.	16 Ga.
Min.rolling dia.	-	1.14"	1.53"	1.53"	1.57"	1.96"	2.36"
Packing size	21x13x8 in	14x10x12 in	20x13x16 in	39x18x29 in	53x18x29 in	66x21x31 in	71x23x37 in
N.W/G.W.	26/30 lbs	37/42 lbs	95/99 lbs	300/315 lbs	429/458 lbs	608/654 lbs	1036/1168 lbs

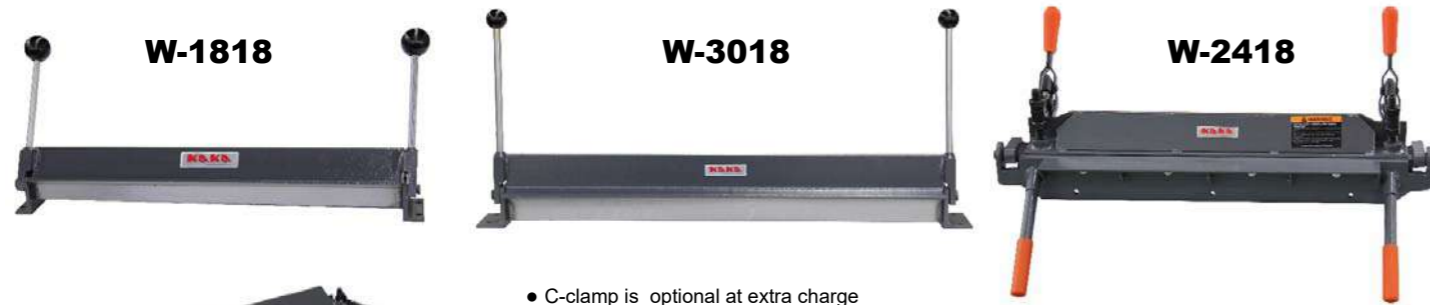
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(+1) 909-443-7923

info@kakaiindustrial.com

BRAKE 30

MINI METAL BENDER



- C-clamp is optional at extra charge
- Simple construction, and easy for moving and working



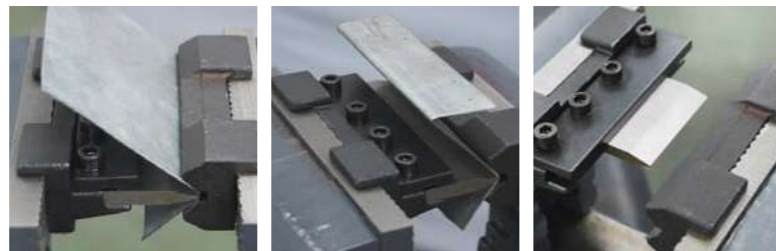
Stock No.	173131	173134	173132	173135
Model	W-1818	W-2418	W-3018	W-4018
Capacity	Width	18"	24"	30"
	Thickness	18 Ga.	18 Ga.	18 Ga.
	Angle	0-90°	0-135°	0-90°
Packing size	22x5x3 in	33x9x15 in	36x7x4 in	49x11x8 in
N.W/G.W.	10/11 lbs	53/57 lbs	31/33 lbs	80/100 lbs

BRAKE DIE SET-WITH MAGNETIC



BRAKE DIE SET-WITH MAGNETIC

- To be used on the vice
- Easy operation



- It is the slickest and cheapest way to bend metal sheet.
- The press fingers are sectional and can be removed allowing small boxes to be made.

Stock No.	173209	173210	173211	173212
Model	BDS-4	BDS-5	BDS-6	BDS-8
Capacity	Width	4"	5"	6"
	Thickness	14 Ga.	14 Ga.	14 Ga.
Packing size	8x7x2 in	8x7x2 in	10x8x3 in	10x8x3 in
N.W/G.W.	2/2.5 lbs	2.5/3 lbs	4.5/5 lbs	6/9 lbs



Specifications subject to change without notice.

SHEET METAL STRAIGHT BRAKE



- Includes floor stand
- Compact design
- Specially designed for light gauge sheet metal work



Stock No.	173136	173139	173001	173002	173003
Model	MB-36	MB-72	W-1220	W-2420	W-3620
Capacity	Width	36"	12"	24"	36"
	Thickness	12 Ga.	20 Ga.	20 Ga.	20 Ga.
	Angle	0-120°	0-120°	0-135°	0-135°
Packing size	48x10x20 in (body) 28x6x6 in (stand)	86x15x26 in	20x12x15 in	32x12x15 in	47x14x18 in
N.W/G.W.	150/165 lbs	320/397 lbs	42/44 lbs	64/66 lbs	143/172 lbs

- Hand brake with one whole blade
- Includes floor stand
- Stop rod and counterweight assist
- With counter weight easy to bend thick plate



Stock No.	173049	173112	173114	
Model	W-4812T	W-8012	W-10012	
Capacity	Width	48"	80"	100"
	Thickness	12 Ga.	12 Ga.	12 Ga.
	Angle	0-135°	0-135°	0-135°
Packing size	67x30x38 in	100x30x40 in	118x30x40 in	
N.W/G.W.	1091/1267 lbs	2227/2557 lbs	2568/2888 lbs	



PAN AND BOX BRAKE



12" Pan & Box Brake



W-1220A

24" Pan & Box Brake



W-2420A

36" Pan & Box Brake



W-3620A



Video

48" Pan & Box Brake



W-4816Z

24" Pan & Box Brake



W-2416Z

- Heavy duty type
- Solid machine with stainless steel
- Many different sizes of bending segment for various work-pieces

36" Pan & Box Brake



W-3616Z

- Bending segment for high precision

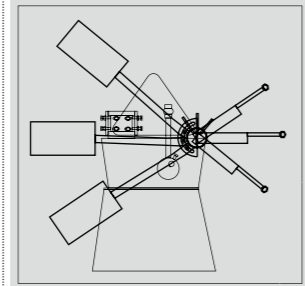
Stock No.	173101	173102	173103	173121	173122	173123
Model	W-1220A	W-2420A	W-3620A	W-2416Z	W-3616Z	W-4816Z
Capacity	Width	12"	24"	36"	24"	36"
	Thickness	20 Ga.	20 Ga.	20 Ga.	16 Ga.	16 Ga.
	Angle	0-135°	0-135°	0-135°	0-135°	0-135°
Packing size	20x14x16 in	33x14x22 in	44x14x22 in	34x14x22 in	47x16x23 in	62x18x26 in
N.W./G.W.	62/66 lbs	92/123 lbs	176/198 lbs	112/141 lbs	232/271 lbs	365/405 lbs

Pan & Box Brake

BP-1650



- with high segments 5"
- All steel welded construction
- Balance weight hammer can stop at any position
- With precision angle stop



With finger size:
 2.36" (60 mm), 3" (75 mm),
 3.74" (95 mm), 4" (100 mm),
 4.13" (105 mm), 5" (125 mm),
 5.7" (145 mm), 6" (150 mm),
 12" (305 mm)

- With high blades 7-1/4" / 184 mm
- Sectioned fingers are easily removed for box bending and special forming operation
- With fingers installed it can be used as a full-length nose bar, turning the machine into a straight bending brake
- Balance weight hammer save your working effort

Stock No.	173030
Model	BP-1650
Max. bending length	50"
Max. thickness	16 Ga.
Max. box depth	4"
Max. lift of beam	1-1/4"
Beam adjustment	5/8"
Finger nose angle	0-135°
Packing size	66x23x33 in
N.W./G.W.	451/561 lbs

60" Pan & Box Brake



W-6018H

100" Pan & Box Brake



W-10016H

Stock No.	173142	173143
Model	W-6018H	W-10016H
Max. bending length	60"	100"
Max. sheet thickness	18 Ga.	16 Ga.
Max. clamping bar lift	2.36"	6.3"
Folding angle	0-125°	0-135°
Packing size	91x35x59 in	138x32x65 in
N.W./G.W.	1012/1210 lbs	2420/2840 lbs



PAN AND BOX BRAKE



- With segment fingers for pan box brake
- With counter weight, easy to bend thick plate



Video



W-4812



W-8012A



W-10012A

Stock No.	173107	173127	173129
Model	W-4812	W-8012A	W-10012A
Capacity	Width	48"	80"
	Thickness	12 Ga.	12 Ga.
	Angle	0-135°	0-135°
Packing size	68x30x38 in	100x30x40 in	118x30x40 in
N.W./G.W.	1089/1265 lbs	2332/2574 lbs	2695/3014 lbs



PAN AND BOX BRAKE



PBB-4012



PBB-5014



PBB-4014A



PBB-5014A

- Built in spring make the bending light and easy
- With foot control. It is easy for operation and free hands
- A fully welded structure, and compact high quality engineering, ensure minimum maintenance, together with simple and safe operation

Bending segments size: (units: mm / inch)

25	30	35	40	45	50	75	100	150	200	270
0.98"	1.18"	1.38"	1.57"	1.77"	1.97"	2.95"	3.94"	5.9"	7.87"	10.63"

PBB-5014/PBB-5014A with one 200mm/7.87" fingers more.



PBB-4014/3SH



PBB-5016/3SH

Bending segments size: (units: mm / inch)

75	25	30	35	40	45	50	75	100	200	270	75
2.95"	0.98"	1.18"	1.38"	1.57"	1.77"	1.97"	2.95"	3.94"	7.87"	10.63"	2.95"

PBB-5016/3SH with one 200mm/7.87" fingers more.



Video

- A fully developed quick release system for the clamp beam segment ensures fast interchange ability
- The folding beams are fitted with a counter-balance and angle stop to provide a perfect and effective operation within the full capacity of the machine
- The optional back-gauge can be easily mounted when using the pre-drilled fixing points

Stock No.	173150	173151	173161	173162	173163	173164
Model	PBB-4012	PBB-5014	PBB-4014A	PBB-5014A	PBB-4014/3SH	PBB-5016/3SH
Max. working length	40"	50"	40"	50"	40"	50"
Max. sheet thickness	12 Ga.	14 Ga.	14 Ga.	14 Ga.	14 Ga.	16 Ga.
Max. clamping bar lift	1.9"	1.9"	1.9"	1.9"	1.77"	1.77"
Folding angle	0-135°	0-135°	0-135°	0-135°	0-150°	0-150°
Packing size	58x25x52 in	67x28x51 in	58x25x52 in	68x28x52 in	56x24x56 in	65x25x55 in
N.W./G.W.	638/781 lbs	748/924 lbs	710/858 lbs	814/990 lbs	974/1037 lbs	1025/1124 lbs



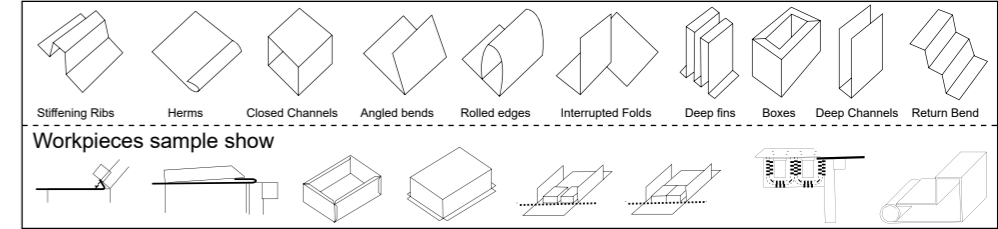
Specifications subject to change without notice.

MAGNETIC SHEET METAL BRAKE



EB-4816M

- The machine consists of a long electromagnet with a steel clamp bar located above it.
- The sheet metal is clamped between the two by an electro magnet capable of clamping with a force range of between 3-10 tons.



EB-4816B



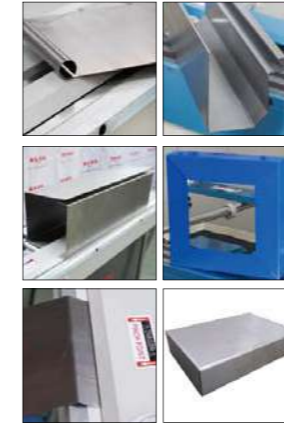
EB-5216



EB-6116

Clamp Bar & Segment fingers include:

Stock No.	EB-4816 (EB-4816B)	EB-5216	EB-6116	EB-9816
Solid Clamp Bar	52" x 2", 52" x 4"	54.7" x 2", 54.7" x 4"	64.5" x 4", 45.3" x 4"	102" x 4", 45.3" x 4"
Notched Adjustable Clamp Bar	52" x 4"	54.7" x 4"	-	-
Clamp Bar	23" x 4", 11" x 4", 5.5" x 4", 2.75" x 4", 2" x 4", 1.5" x 4", 1" x 4"			



Stock No.	173403 (173409)	173410	173411	173405
Model	EB-4816 (EB-4816B)	EB-5216	EB-6116	EB-9816
Max. Capacity (length x thickness)	48"x16 Ga.	52"x16 Ga.	61"x16 Ga.	98"x16 Ga.
Clamping force	6 Ton	6.5 Ton	8 Ton	12 Ton
Duty cycle	30%	30%	30%	30%
Back-gauge	25.2"	25.2"	25.2"	25.2"
Foot switch	Standard	Standard	Standard	Standard
Norminal current	6 Amp	6 Amp	6 Amp	15 Amp
Power	2.2 kW (1PH)	2.2 kW (1PH)	2.5 kW (1PH)	2.5 kW (1PH)
Protection	Thermal cut-out 70 °C	Thermal cut-out 70 °C	Thermal cut-out 70 °C	Thermal cut-out 70 °C
Bending-edge length	51.8"	53.94"	63.78"	101.97"
Distance between lifters	49.61"	52.36"	61.81"	99.53"
Packing size	57x44x15 in	60x44x15 in	69x44x15 in	106x44x15 in
N.W./G.W.	407/530 lbs (440/573 lbs)	405/506 lbs	568/687 lbs	639/888 lbs

SLIDING BENDER



ALB-126



Video

- Portable bender is designed for the manufacture of any of the profiles, sheet metal up to 0.7 mm (24 Ga.) (skates, sills, cornices, etc.).
- Available treatment sheet following material: steel, brass, copper and other material, including painted or coated.
- The surface is not damaged due to silicone insert bending beam.
- Easy to adjust the thickness of the metal
- The design of high-tech anodized light alloy provides listigibov convenient for transportation mobility and compactness, making it possible to work in the workshop or on-site construction works.
- Assembly time of preparation of the machine to work 10-15 minutes.
- The design of the machine ensures a secure fit the blank, high quality manufactured products with 180°
- Equipped with a special roller knife for sheet cutting

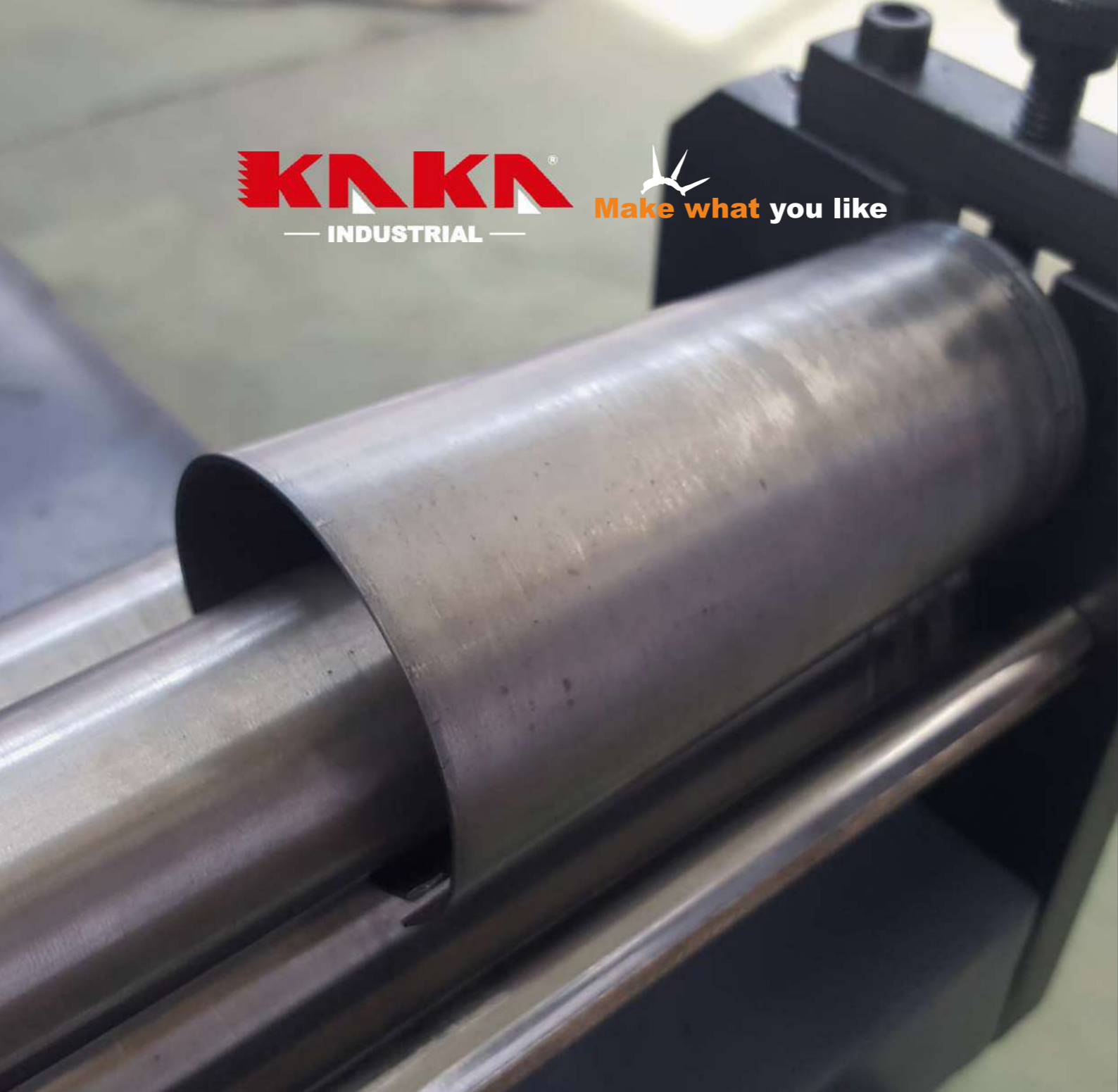


Shear Before shear Shear done Bending work show

Stock No.	173431	173432
Model	ALB-102	ALB-126
Bending length	102"	126"
Thickness of mild steel	24 Ga.	24 Ga.
Thickness of Aluminum	22 Ga.	22 Ga.
Maximum bending angle	180°	180°
Infeed depth	22.8"	22.8"
Packing size	110x30x11 in	129x30x12 in
N.W./G.W.	168/260 lbs	196/308 lbs



Make what you like



ROLLING

■ Manual Slip Roll

■ Hydraulic Round Bending Machine

■ Round Bending Machine



MANUAL SLIP ROLL



SJ300



SJ320

12" Slip Roll

- 20Ga mild steel capacity
- Top roll suing out easily to more the material
- Standard with wire grooves



12" Slip Roll



W01-1222

- Hardened gear for long durability
- Comfortable eccentric clamp system and easy operation

24" Slip Roll



W01-2422

36" Slip Roll



W01-3616

- 50mm OD solid roller standard with 3 wire grooves
- The upper roll can be tilted over to facilitate the removal of the rolled workpiece



W01-4022

40" Slip Roll



51" Slip Roll

W01-5116

- Precision ground cast iron roller
- High strength steel rolls
- Top roll swing out
- Lower roll adjustment with adjustment lever and cam



W01-1222, W01-2422, W01-4022, W01-5116
Optional A type Stand

49" Slip Roll



W01-4914

- Cast Iron frame
- Quick release top roller
- Two different speeds for different materials



Stock No.	174007	174006	174001	174002	174201	174004	174005	174104
Model	SJ-300	SJ-320	W01-1222	W01-2422	W01-3616	W01-4022	W01-5116	W01-4914
Max.thickness	20 Ga.	20 Ga.	22 Ga.	22 Ga.	16 Ga.	22 Ga.	16 Ga.	14 Ga.
Max.width	12"	12.6"	12"	24"	36"	40"	51"	49"
Dia.of roll	1-1/4"	1-1/4"	1"	1-1/2"	2"	2"	3"	2.36"
Packing size	19x9x8 in	19x9x8 in	21x10x11 in	38x11x15 in	53x14x20 in	57x13x21 in	67x17x22 in	71x20x28 in
N.W./G.W.	29/31 lbs	26/29 lbs	29/31 lbs	82/88 lbs	220/264 lbs	190/231 lbs	429/495 lbs	504/590 lbs

Specifications subject to change without notice.

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ROLLING 38

ROUND BENDING MACHINE



RBM-10

ERBM-10HV

- Special cast frame
- Shafts are hardened with special steel material
- Rollers are special steel material hardened and grounded
- Gears milled with full material Optional rollers for choice
- Horizontal and vertical operation (ERBM-10HV)

Stock No.	191005	191010			
Model	RBM-10	ERBM-10HV			
Dia.of roller	1.18"	1.18"			
Power	-	1.1 kW/1.5HP			
Spindle speed @60Hz	-	9.6r/min			
Packing size	19.6x19x27 in (body) 34x30x13 in (stand)	37x31x53 in			
N.W./G.W.	348/386 lbs	517/627 lbs			
Max.capacity (one set standard roller)	Capacity	Size	Min Dia.	Size (in)	Min Dia. (in)
		20x5mm	190mm	20x5mm	190mm
		30x10mm	500mm	30x10mm	500mm
		20x5mm	160mm	20x5mm	160mm
		50x10mm	400mm	50x10mm	400mm
		10x10mm	160mm	10x10mm	160mm
		20x20mm	500mm	20x20mm	500mm



RBM-30HV



- This round bending machine can work both horizontal and vertical
- Standard with various segment rolls for different profiles flat bar, square tube, angle iron, etc.
- Optional rollers for tube pipe

Stock No.	191002		
Model	RBM-30HV		
Dia.of roller	1.18"		
Power	0.75 kW/1 HP (1PH motor)		
Spindle speed @60Hz	10.8r/min		
Packing size	47x30x47 in		
N.W./G.W.	493/621 lbs		
Capacity	Size	Min Dia.	Article No.
	40x40x3mm	1000mm	HV30-15-1
	50x15mm	350mm	HV30-15-2
	50x30x3mm	1200mm	HV30-15-3
	φ 15mm, φ 20mm, φ 25mm, φ 30mm	600mm	HV30-15-4
	40x40x2mm, 40x40x3mm 40x40x4mm, 40x40x5mm	400mm	HV30-15-5
	40x40x2mm, 40x40x3mm 40x40x4mm, 40x40x5mm	400mm	HV30-15-6
	50x50x2mm, 50x50x3mm 50x50x4mm, 50x50x5mm	400mm	HV30-15-7
	50x25x2mm, 50x25x3mm 50x25x4mm, 50x25x5mm	300mm	HV30-15-8
	50x25x2mm, 50x25x3mm 50x25x4mm, 50x25x5mm	400mm	HV30-15-9
	50x25x2mm, 50x25x3mm 50x25x4mm, 50x25x5mm	300mm	HV30-15-10

- All the above processing capacities can be finished by one set of standard combination roller

	φ 35x2mm φ 40x2mm φ 45x2mm φ 50x2mm φ 55x2mm φ 60x2mm	1000mm	Special roller HV-30-15-11
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- We can design the rollers for you as per your special requirement. And we can make the rollers in various materials such as nylon



ROUND BENDING MACHINE



RBM-40HV



Video



RBM-50

- The gear is made of high-strength carbon tool steel, which is durable
- The clearance of the three rolls can be adjusted during
- Machine can be set up in horizontal or vertical working position(RBM-40HV)

Stock No.	191003	191004		
Model	RBM-40HV	RBM-50		
Dia.of roller	φ 1.57"	φ 1.97"		
Power	1.5 kW/2 HP	2.2 kW/3 HP		
Spindle speed @60Hz	11r/min	10.8r/min		
Packing size	55x37x52 in	39x32x61 in		
N.W./G.W.	936/1091 lbs	1012/1182 lbs		
Capacity	Size	Min Dia.	Size	Min Dia.
	50x10mm	600mm	60x10mm	500mm
	20x6mm	800mm	40x10mm	650mm
	50x20mm	800mm	100x15mm	920mm
	30x6mm	1250mm	60x10mm	1150mm
	20x20mm	800mm	25X25mm	650mm
	10x10mm	1100mm	20x20mm	780mm
	50x6mm	600mm	60x7mm	750mm
	30x3mm	500mm	50x5mm	500mm
	50x6mm	600mm	60x7mm	750mm
	30x3mm	500mm	50x5mm	700mm
	50x37x4.5mm	600mm	65x40x5mm	550mm
	30x15x4mm	900mm	50x40x5mm	500mm
	50x37x4.5mm	600mm	80x45x6mm	650mm
	30x15x4mm	900mm	65x40x5mm	550mm
	50x5mm	500mm	60x5mm	500mm
	30x4mm	500mm	50x5mm	500mm
	50x4mm	500mm	60x5mm	700mm
	30x4mm	500mm	50x5mm	700mm
	φ 30mm	650mm	φ 35mm	600mm
	φ 10mm	1100mm	φ 30mm	650mm
	50x50x2.5mm	700mm	50x50x3mm	550mm
	30x30x2mm	800mm	40x40x3mm	500mm
	50x25x2.5mm	800mm	70x50x3mm	1200mm
	40x20x2mm	1000mm	50x40x3mm	800mm

- All the above processing capacities can be finished by one set of standard combination roller

Special Roller

Model	RBM-40HV			RBM-50		
Capacity	Size	Min Dia.	Size	Min Dia.		
	30x2mm 35x2mm 40x2mm	700mm	30x2mm 35x2mm 40x2mm	600mm		
	45x2mm 50x2mm 55x2mm		45x2mm 50x2mm 55x2mm			
	60x2mm 65x2mm 70x2mm		60x2mm 65x2mm 70x2mm			

- We can design the rollers for you as per your special requirement. And we can make the rollers in various materials such as nylon.

HYDRAULIC ROUND BENDING MACHINE



Video

- Work both horizontal and vertical hydraulic top roll



HRBM-40HV

HRBM-50HV

HRBM-65H

Stock No.	191022		191023		191021	
Model	HRBM-40HV		HRBM-50HV		HRBM-65H	
Dia. of roller	φ 1.57"		φ 1.97"		φ 2.75"	
Power	1.5 kW/2 HP		2.2 kW/3 HP		4 kW/5 HP	
Spindle speed @60Hz	11r/min		10.8r/min		11r/min	
Packing size	52x36x72 in		48x32x71 in		48x43x74 in	
N.W./G.W.	1080/1291 lbs		1135/1426 lbs		1610/2006 lbs	
Capacity	Size	Min Dia.	Size	Min Dia.	Size	Min Dia.
	50x10mm 20x6mm	600mm 800mm	60x10mm 40x10mm	500mm 650mm	80x25mm 40x10mm	600mm 500mm
	50x20mm 30x6mm	800mm 1250mm	100x15mm 60x10mm	920mm 1150mm	120x25mm 50x10mm	600mm 400mm
	20x20mm 10x10mm	800mm 1100mm	25x25mm 20x20mm	650mm 780mm	35mm 20mm	550mm 400mm
	50x6mm 30x3mm	600mm 500mm	60x7mm 50x5mm	750mm 500mm	80x40x7mm 40x40x5mm	500mm 400mm
	50x6mm 30x3mm	600mm 500mm	60x7mm 50x5mm	750mm 700mm	80x40x7mm 40x40x5mm	400mm 360mm
	50x37x4.5mm 30x15x4mm	600mm 900mm	65x40x5mm 50x45x5mm	550mm 500mm	100x50x6mm 50x40x5mm	600mm 500mm
	50x37x4.5mm 30x15x4mm	600mm 900mm	80x45x6mm 65x40x5mm	650mm 550mm	100x50x6mm 50x40x5mm	600mm 500mm
	50x5mm 30x4mm	500mm 500mm	60x5mm 50x5mm	500mm 500mm	70x6mm 40x5mm	500mm 400mm
	50x5mm 30x4mm	500mm 500mm	60x5mm 50x5mm	700mm 700mm	70x6mm 40x5mm	600mm 500mm
	φ 30mm φ 10mm	650mm 1100mm	φ 35mm φ 30mm	600mm 650mm	φ 40mm φ 20mm	500mm 400mm
	50x50x2.5mm 30x30x2mm	700mm 800mm	50x50x3mm 40x40x3mm	550mm 500mm	50x50x3mm 30x30x3mm	600mm 500mm
	50x25x2.5mm 40x20x2mm	800mm 1000mm	70x50x3mm 50x40x3mm	1200mm 800mm	60x40x3mm 50x30x2mm	800mm 500mm

• All the above processing capacities can be finished by one set of standard combination roller

Special Roller

Model	HRBM-40HV			HRBM-50HV			HRBM-65H			
Capacity	Size	Min Dia.	Size	Min Dia.	Size	Min Dia.	Size	Min Dia.		
	330x2mm 45x2mm 60x2mm	35x2mm 50x2mm 65x2mm	40x2mm 55x2mm 70x2mm	700mm	330x2mm 45x2mm 60x2mm	35x2mm 50x2mm 65x2mm	40x2mm 55x2mm 70x2mm	600mm	φ 100x2mm φ 60x2mm	1000mm 500mm

• We can design the rollers for you as per your special requirement. And we can make the rollers in various materials such as nylon.



Make what you like

FORMING

■ Universal Bender

■ Tube / Pipe Roll Bender

■ Bead Roller

■ English Wheel

■ Arbor Press

■ Compact Bender

■ Pipe Tube Bender

■ Shrinker & Stretcher

■ Pneumatic Planishing Hammer

■ Hydraulic Presses



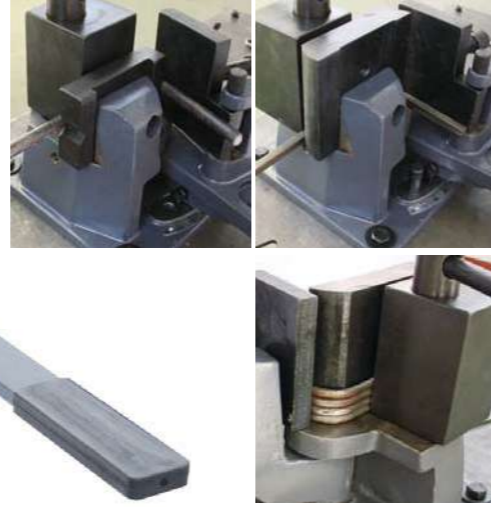
UNIVERSAL BENDER



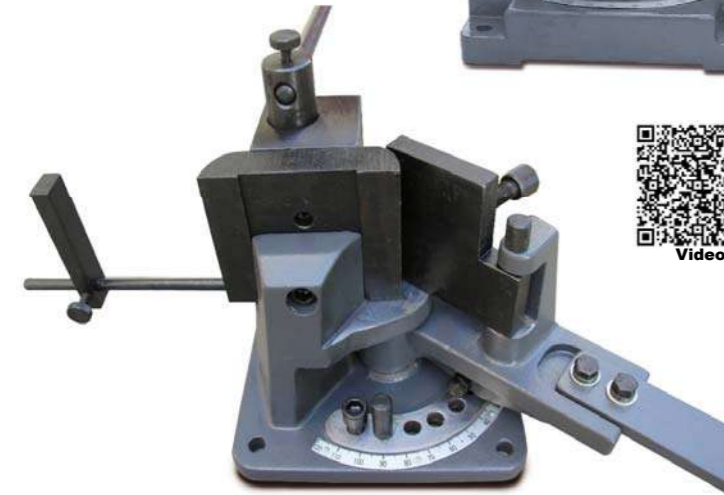
- Flat, round and square steel bending
- Wide supporting face ensuring safe and reliable operation
- Bending angle up to 120 degree
- Adjustable length stop
- Euentric quick cam lever clamping



UB-100A



Video



UB-70/UB-100

- Also work with angle steel

- For angular, roll, hoop and coil bending
- To produce grid, door gate, balcony railing pation furniture as well as rod iron lamps, suitable for steel brass copper and aluminum



SBG-30

Scroll Size: 3",5",7"



SBG-40

Radius Bending



Scroll Bending



Angle Bending

- Shape materials such as Steel, Iron, Wrought Iron, Brass, Copper and Aluminum.



Stock No.	173217	173203	173201	173202	173216
Model	SBG-30	SBG-40	UB-70	UB-100	UB-100A
Capacity	Flat steel	1.18"x0.394"	1.18"x0.314"	Warm 2.75"x0.59"	Warm 3.94"x0.93"
	Round steel	0.394"	0.59"	Warm 0.86"	Warm 0.87"
	Square steel	0.394"x0.394"	0.511"x0.511"	0.7"x0.7"	0.79"x0.79"
	Angle steel	-	-	2.36"x0.31" /2.76"x0.59"	2.36"x0.31" /3.94"x0.47"
Packing size	22x12x9 in	21x12x9 in	Body: 16x12x12 in Handle: 29x3x2 in	Body:15x15x11 in Handle:29x3x2 in	22x12x10 in
N.W./G.W.	59/64 lbs	51/53 lbs	62/64 lbs	68/70 lbs	73/75 lbs



Specifications subject to change without notice.

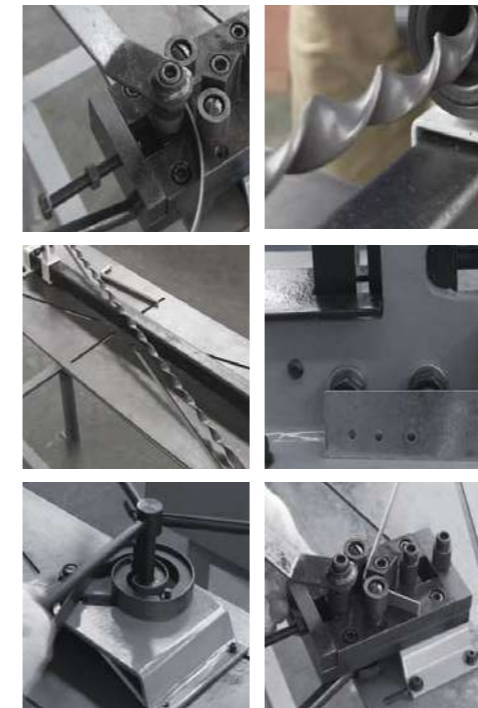
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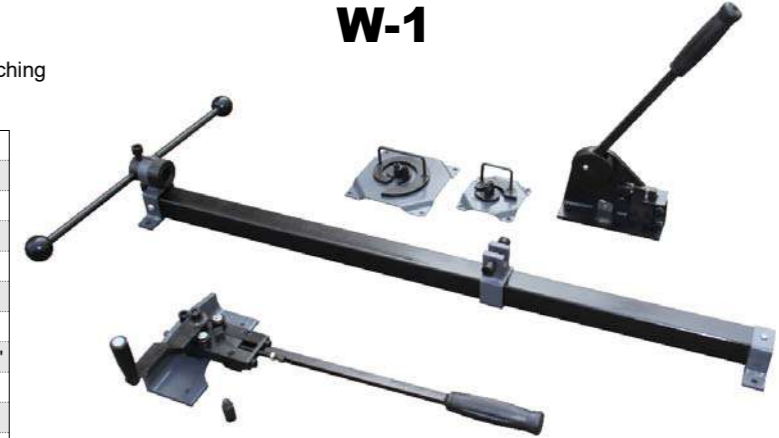
Multipurpose Metal Craft Tool Set

- 4 Piece of tools
- Two models ideal for twisting, bending & riveting, scrolling and punching
- Used for fencing railing and ornamental jobs

Stock No.	176101	176102
Model	W-1	W-2
Strip Steel	0.63"x0.12"	30x5mm
Square Steel	0.16"x0.16"	0.31"x0.31"
Round Steel	0.16"	0.24"
Punching Capability	3°	4° 5°
Bending Angle	>90°	>60°
Riveting Capability	0.12"x0.78"	0.16"x1.18"
Rolling Capability	R>30	R>35
Packing size	43x13x13 in	43x17x11 in
N.W./G.W.	27/33 lbs	71/80 lbs



W-1



W-2



1 Twister

2 Bender

3 Scroll bender

4 Punching

Mini Universal Bender

MUB-1

- Item No:173207
- Forms wire, flat metal and tubing into clamps, handle brackets, hooks, coils, and more
- Make sharp angle bends in wire and rod
- Includes circle pins for 3/16", 1/4", 1/2" dia, circle 1" diacircle die, form pin follower, sharp angle die, gauge and handle



Video



Stock No.	Model	Packing size	N.W./G.W.
173207	MUB-1	13x4x4 in	6.2/6.6 lbs



TR-40



Square Tube / Pipe Roll Bender

Max. capacity	Mild steel	0.78"x0.78"x18 Ga.	1"x1"x18 Ga.	1.18"x1.18"x16 Ga.	1.57"x1.57"x16 Ga.
	Copper	0.78"x0.78"x16 Ga.	1"x1"x16 Ga.	1.18"x1.18"x15 Ga.	1.57"x1.57"x15 Ga.
	Aluminum	0.78"x0.78"x15 Ga.	1"x1"x15 Ga.	1.18"x1.18"x14 Ga.	1.57"x1.57"x14 Ga.
Min r		7"	6.69"	7.87"	8.66"
Min ϕ		17.71"	19.68"	21.65"	23.62"

- This model is very superior and convenient for square tub rectangular tubes.
- It can bend various capacity workpieces by one set roller delivered with machine.
- So you can save a lot of money, time and labor by using this machine

Stock No.	191006
Model	TR-40
Roller adjustment	Manual, wheel drive
Packing size	22x10x16 in
N.W./G.W.	44/46 lbs

TR-50L



- Hardened steel top plate
- Enlarged outrigger base plate for easier mounting
- Standard **WITHOUT** rollers, supplied optional rollers



- Optional Stand**
- Stock No.: 178108

Stock No.	191007L
Model	TR-50L
Roller adjustment	Manual, wheel drive
Packing size	22x22x17 in
N.W./G.W.	97/119 lbs

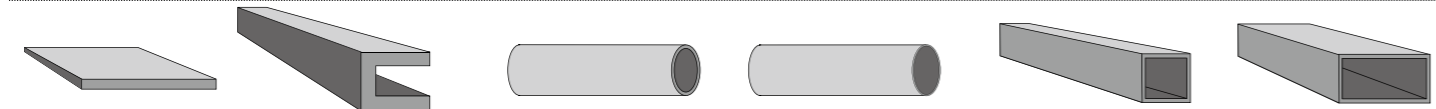
Ring Roller

PR-3



- Portable hand crank ring roller
- Create rings from 3 in.

Stock No.	176001
Model	PR-3
Dia. Of Roller	1-1/4"
Round steel capacity	1/4"
Flat steel capacity	1"x1/8"
Handle length	12-1/2"
Packing size	9x9x8 in
N.W./G.W.	13/15 lbs



TR-60L



- Manual crank make quick work on large radius bend
- Standard **WITHOUT** rollers, supplied optional rollers
- Precision ball bearing for better operation
- Adjustable distance between lower rollers to get different radius.

Stock No.	191009L
Model	TR-60L
Pipe capacity	1-1/2" Schdule 40 pipe, Min. radius: 20"
Round tube capacity	2", Min radius: 60"
Rectangular capctiy	1"x2", Min. radius: 60"
Flat bar capacity	1-1/4", Min. raidus: 10"
Square tube capacity	2", Min. radius: 70"
Packing size	25x12x20 in
N.W./G.W.	55/77 lbs

What is the tube roller ?

- Through the force and rotation of the machine die wheel, the metal machining work is completed.
- You can easily change the metal shape to make it arc or round

(Specific shape depends on the actual operation)



Optional Rollers fo TR-60L,TR-50L

Capacity	TR-60L	TR-50L
	Stock No.	Stock No.
1. Round Tube Rollers Sizes		
1/2" Round Tube Rollers	191009-101	191007-101
5/8" Round Tube Roller s	191009-102	191007-102
3/4" Round Tube Rollers	191009-103	191007-103
7/8" Round Tube Rollers	191009-104	191007-104
1" Round Tube Rollers	191009-105	191007-105
1 1/8" Round Tube Rollers	191009-106	191007-106
1 1/4" Round Tube Rollers	191009-107	191007-107
1 3/8" Round Tube Rollers	191009-108	191007-108
1 1/2" Round Tube Rollers	191009-109	191007-109
1 5/8" Round Tube Rollers	191009-110	191007-110
1 3/4" Round Tube Rollers	191009-111	191007-111
2" Round Tube Rollers	191009-112	191007-112
2. Round Pipe Rollers Sizes		
1/4" Pipe(0.54"OD) Rollers	191009-201	191007-201
3/8" Pipe(0.675"OD) Rollers	191009-202	191007-202
1/2" Pipe(0.84"OD) Rollers	191009-203	191007-203
3/4" Pipe(1.05"OD) Rollers	191009-204	191007-204
1" Pipe(1.315"OD) Rollers	191009-205	191007-205
1 1/4" Pipe(1.66"OD) Rollers	191009-206	191007-206
1 1/2" Pipe(1.90"OD) Rollers	191009-207	191007-207
3. Square Tube Rollers Sizes		
1/2" Square Tube Rollers	191009-301	191007-301
3/4" Square Tube Rollers	191009-302	191007-302
1" Square Tube Rollers	191009-303	191007-303
1 1/4" Square Tube Rollers	191009-304	191007-304
1 1/2" Square Tube Rollers	191009-305	191007-305
1 3/4" Square Tube Rollers	191009-306	191007-306
2" Square Tube Rollers	191009-307	191007-307
4. Misc. Rollers Sizes		
1x2" Rectangular Tube Rollers	191009-401	191007-401
1 1/4" Flat Stock Rollers	191009-402	191007-402
1x2" C Channel Rollers	191009-403	191007-403



Round Tube Rollers



Round Pipe Rollers



Squaer Tube Rollers



Flat Stock Rollers

- Special requirement for metric rollers can be supplied



COMPACT BENDER

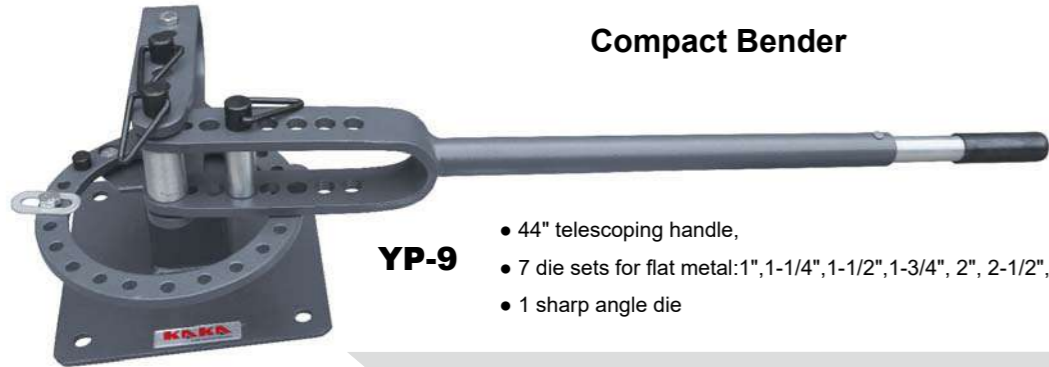
- For cold forming of steel and metals including setup plate for table clamping
- Mild steel: 0.75"x0.67", 1.97"x0.43", 3.98"x0.31"
- Stamp a stencil for round roll bending available
- 2.5 tons pressing capacity
- Packing size: 17"x8"x7" • N.W./G.W.: 18/22 lbs



Form Bender
• Stock No. 173204

FB-4

Compact Bender



YP-9

- 44" telescoping handle,
- 7 die sets for flat metal: 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/2", 3"
- 1 sharp angle die



Video

UBM-30



- Bending flat, square and round material
- Scroll attachment included
- 7 sets dies for round material
- 7 sets round dies for flat and square material
- 1 sharp angle die

YP-38



Stock No.	173213	173214	173231
Model	YP-9	YP-38	UBM-30
Max. steel capacity	5/16"x1-1/4" stainless steel, 1/4"x2" mild steel	5/16"x1-1/4" stainless steel, 1/4"x2" mild steel	5/16"x1-1/4", 1/4"x2"
Bending angle	0-200°	0-200°	0-200°
Packing size	27x11x6 in	35x11x11 in	35x11x11 in
N.W./G.W.	37/40 lbs	50/53 lbs	53/55 lbs



Specifications subject to change without notice.



PIPE TUBE BENDER

Portable Manual Tube Bender



MY-22



- Sturdy cast iron frame
- It can be bench or pedestal mounted with pedestal
- It is designed to bend the most common sizes of pipe on safe centerline radii to ensure great looking bends

Stock No.	173215
Model	MY-22
Round tube (outer dia.)	3/8", 1/2", 9/16", 5/8", 3/4", 7/8"
Square tube (outer dia.)	3/4", 1"
Wall thickness	22 Ga.-18 Ga.
Max. bending angle	180°
Packing size	21x9x7 in
N.W./G.W.	53/59 lbs

Hydraulic Tube Bender

- Dies include: 3/4", 1", 1-1/2", 1-5/8", 1-3/4"



HB-8



Hydraulic Tube Bender



HB-10

- Dies include: 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"

Chromoly Tubing (90 Degrees)

- Bends up to 90 Degrees in 3/4", 1" and 1-1/2" diameter with wall thickness up to 0.040"

Mild Steel Tubing (90 Degrees)

- Bends up to 90 Degrees in 3/4" and 1" diameter with wall thickness from 0.049" to 0.090"

Chromoly Tubing (60 Degrees)

- Bends up to 60 Degrees in 3/4", 1.0", 1-1/2", 1-5/8" and 1-3/4" diameter with wall thickness up to 0.040"

Mild Steel Tubing (60 Degrees)

- Bends up to 60 Degrees in 3/4", 1.0", 1-1/2", 1-5/8" and 1-3/4" diameter with wall thickness from 0.049" to 0.090"



Video

Stock No.	175005	175001
Model	HB-8	HB-10
Max. pressure	8 ton	10 ton
Max. ram strike	4.72"+2.36"	6.1"
Packing size	29x15x12 in	28x24x9 in
N.W./G.W.	95/99 lbs	99/107 lbs

Specifications subject to change without notice.



Manual Tube Bender



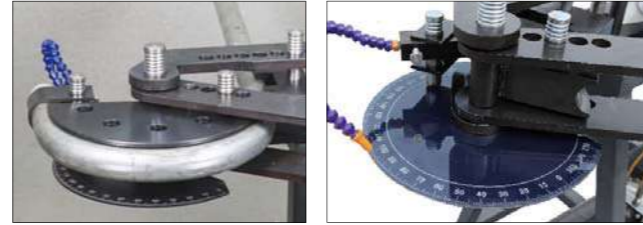
TB-3

Hydraulic Tube Bender



TB-3B

- Bends up to 2" schedule 40 pipe (0.154")
- No standard dies. Various optional dies can be chosen
- Air hydraulic power, 10 ton, 12 inch stroke cylinder (TB-3B)
- Caster stand with die rack (TB-3B)



Stock No.	173232	175008	175010
Model	TB-3	TB-3B	HTB-1000
Capacity	-	2"x 0.188" (Mild Steel)	3/4"-2"
Power	-	-	0.55kW/3PH, 0.75kW/1PH
Hydraulic Cylinder Stroke	-	12"	12"
Packing size	24x14x5 in (Boby) 35x11x5 in (Stand)	33x15x14 in	49x26x42 in
N.W./G.W.	80/84 lbs	154/165 lbs	225/340 lbs

Hydraulic Tube Bender

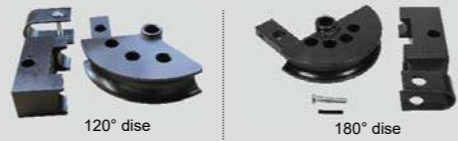


HTB-1000



Video

Round Dies



Square Dies



Optional dies for TB-3 /TB-3B /HTB-1000:

- 1) Round dies: 3/4"x3", 7/8"x3", 1"x3", 1-1/8"x3", 1-1/4"x4", 1-1/2"x4", 1-1/2"x5", 1-5/8"x5", 1-3/4"x6", 2"x6"
- 2) Square dies: 3/4"x3", 1"x4", 1-1/4"x5", 1-1/2"x6"
- 3) Dies available in 120°, 180° and 240°
- 4) Other optional dies can be made according to customer's request

- The electric hydraulic pipe bender HTB-1000 has a handle to control the travel of cylinder easily.
- It has various dies to bend different pipes.
- Aluminum bronze bushing at pivot points
- Run approximately 3x's faster than air/hydraulic units



Hydraulic Tube Bender



JTB-50



- Standard dies: 1", 1-1/4", 1-1/2", 1-7/8"
- Wall thickness: 0.04"-0.19"
- Hydraulic power drive, PLC Control
- Bending workpieces such as low carbon round tubes, stainless round tubes, square tubes, and round steel bars to achieve desired shapes.
- Optional dies available according to customer's request

Stock No.	191063		
Model	JTB-50		
Dimensions of Workpieces	Round pipe	Max. 2"	Min. 5/8"
	Stainless steel pipe	Max. 1-1/2"	Min. 5/8"
	Square pipe	Max. 2"x2"	Min. 5/8" x 5/8"
Angle of Bending	180°		
Rate of Main Shaft Rotation	5 r/min		
Performance of Motor	2.2 kW 1400 r/min		
Hydraulic Motor for Specific Purpose	1.1kW 1400 r/min		
Packing size	57x27x46 in		
N.W./G.W.	1212/1366 lbs		



Specifications subject to change without notice.



Video

EPB-3

- The EPB-3 bender is an entry level bender, designed to introduce you to quality while showing you the incredible profit potential. The EPB-3 can bend up to 3" tubing and includes a built-in swager/expander for complete end-finishing. The popular EPB-3 package includes all the tooling shown, ready to 3" tubing, expand up to 3" tube, and perform multiple end forming applications.
- Standard comprehensive tooling package
- Knee Pad Control
- Manual Depth-of-Bend Indicator
- 58,000 lbs of bending power
- Heavy-Duty Swager / Expander
- Exclusive Safety-Guard Package
- Front Swivel Casters w/ Brakes



Stock No.	175011
Model	EPB-3
Capacity	1-1/2" up to 3" OD (for 2-1/4 to 3" OD tubing 12 gauge mild steel wall thickness is required)
Power	3.0kW/3PH 4.0kW/1PH
Packing size	70x33x51 in
N.W./G.W.	1276/1430 lbs

BEAD FORMER

B/F-3/8"



Stock No.	173808	
Model	BF-3/8"	
Capacity	Make Beads	0.125"
	Thickness	22Ga.
	Smallest Dia	0.375"
Packing size	8x6x3 in	
N.W./G.W.	4/5 lbs	

- Makes 0.125" beads on materials up to 22 Ga. thickness
- Works on tubing as small as 0.375" diameter
- Ideal for creating beads on the end of tubing to hold hoses



TOOLING PACKAGE INCLUDES:

- 5530 5" Radius Die 3"
- 5412 5" Radius Die 2-1/2"
- 5414 5" Radius Die 2-1/4"
- 5200 5" Radius Die 2"
- 4414 4" Radius Die 2-1/4"
- 4200 4" Radius Die 2"
- 3134 3" Radius Die 1-3/4"
- 3112 3" Radius Die 1-1/2"
- 1350 Full Back Shoes 3"(2)
- 4412 Full Back Shoes 2-1/2" (2)
- 4211 Full Back Shoes 2-1/4" (2)
- 1200 Full Back Shoes 2" (2)
- 1134 Full Back Shoes 1-3/4" (2)
- 1112 Full Back Shoes 1-1/2" (2)
- 4410 Haft shoe 2-1/2"
- 4416 Haft shoe 2-1/4"
- 1045 Half shoe 2"
- 1040 Half shoe 1-3/4"
- 1038 Half shoe 1-1/2"
- 1750 Collet 2-1/2"
- 1725 Collet 2-1/4"
- 1720 Collet 2"
- 1734 Collet 1-3/4"
- 1712 Collet 1-1/2"
- 853 Flare Tool 1-1/2"-3"
- 550 Male Ball Die 1-3/4": Swage 2"
- 552 Male Ball Die 2": Swage 2-1/4"
- 553 Male Ball Die 2-1/4": Swage 2-1/2"
- 554 Male Ball Die 2-1/2": Swage 2-3/4"
- 555 Male Ball Die 1-3/4"-2"
- 556 Male Ball Die 2-3/4"-2-1/2"
- 112 Swage Die 1-1/2"
- 134 Swage Die 1-3/4"
- 508 Arbor 1-3/8"-3-1/2"
- 498 Arbor Tip 1-1/2"-1-3/4"
- 499 Arbor Tip 1-3/4"-3-1/2"
- 474 Segment 1-3/4"-2-1/8"
- 475 Segment 2-1/8"-2-1/2"
- 476 Segment 2-1/2"-3"
- 815 Die Holder (853)
- 816 Die Holder Pin
- 855 Die Pins M18
- 1079 Full Shoe Spacer
- 1080 Half Shoe Spacer
- 782 Reducing Die 2-1/2"-2-1/4"
- 790 Reducing Die 3"-2-3/4"
- 97050 Die Spring
- 870 O-Ring Kit

BEAD ROLLER

Bead Roller Kit



- Sheet Metal Rotary Forming Machine, roller head can swivel and pivot. High Adjustability HAVC Tools Fabrication Bead Rolling Machine
- This rotary machine has 6 set of dies, which include beading, crimping, burring and ogee beads. Comes with 6 forming rolls, popular for HVAC projects: 1/4" turning, 1/8" turning, wiring, crimping, burring, and ogee beads.

Stock No.	173205
Model	RM08
Capacity	22Ga.
Throat depth	7"
Packing size	20x18x7 in
N.W./G.W.	48/43 lbs



Optional Stand for RM08
• Stock No.: 178102



6 set dies come with the machine



Optional Stand for RM-12/RM-18
• Stock No.: 178101



RM12



RM18

6 set dies come with the machine



Stock No.	173226	173206
Model	RM12	RM18
Capacity	18Ga.	18Ga.
Throat depth	12"	18"
Packing size	15x18x7 in	29x11x6 in
N.W./G.W.	42/46 lbs	53/57 lbs

Bead Roller

- Rigid steel construction minimizes flex and ensures accurate beads over many years of use.
- Convenient grease fittings allow you to deliver oil straight to the bushings.
- You can adjust forming depth by moving the top roll.

- Designed to handle 1 mm (20 Ga.) mild steel, 1.2 mm (18 Ga.) aluminum
- Heavy duty all fabricated plate steel construction
- Adjustable depth of bead
- Variable speed foot control for hands free operation
- Oilite bushings at all rotation points for long life
- Forward and reverse switch for left or right side operation
- Heat treated gears for years of trouble free operation
- Industrial finish for good looks and durability
- With one set 1/2" round bead steel roller (standard)
- Largest selection of heat treated rollers available



Bead Roller



RM36



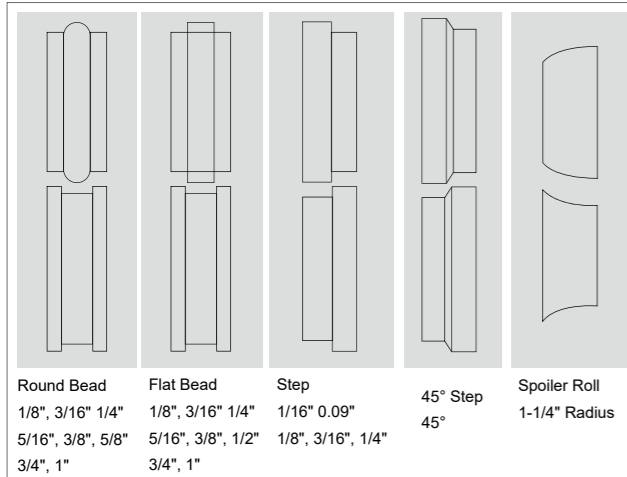
Video

Stock No.	173806
Model	RM-36
Capacity	20Ga.
Throat depth	36"
Packing size	60x29x16 in
N.W./G.W.	176/220 lbs

Optional Workbench



Optional Stopper



Round Bead 1/8", 3/16" 1/4" 5/16", 3/8", 5/8" 3/4", 1"	Flat Bead 1/8", 3/16" 1/4" 5/16", 3/8", 1/2" 3/4", 1"	Step 1/16" 0.09" 1/8", 3/16", 1/4"	45° Step 45°	Spoiler Roll 1-1/4" Radius
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BEAD ROLLER

Bead Roller

- 4 sets standard rollers
- Heavy and solid cast iron construction
- Special steel adjustable bottom spindle
- Self-breaking motor with subframe (E-type)
- Easy to operate with foot pedal control (E-type)

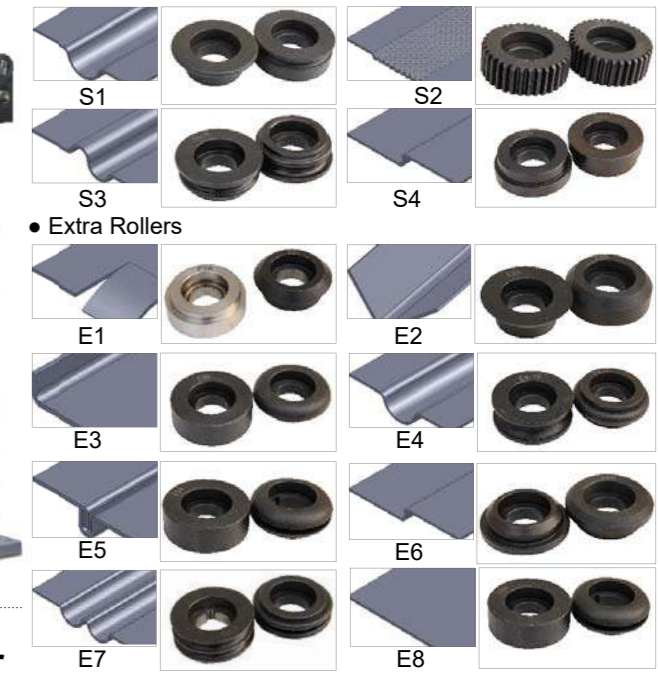


TB-12



ETB-12

• Standard Rollers



Bead Roller

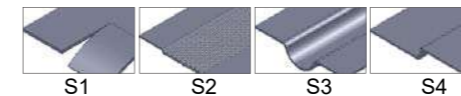
ETB-25 / ETB-40

- Steel welded construction frame
- Adjustable idle roller
- Steel shaft with bronze bushings
- Reduction motor with brake system
- Movement of rollers with foot pedal
- Complete with stand
- 4 sets standard rollers

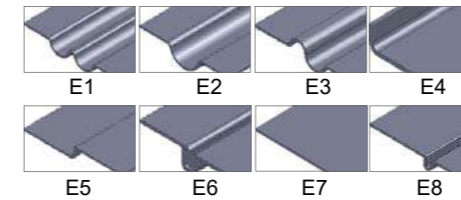


Roller For ETB-25

• Standard Rollers

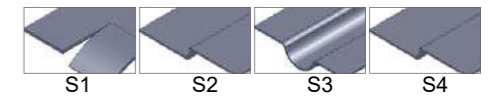


• Extra Rollers

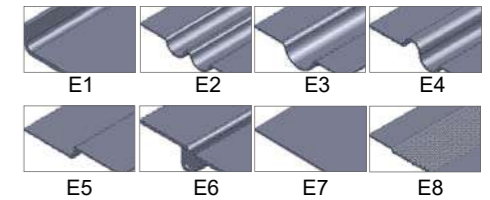


Roller For ETB-40

• Standard Rollers



• Extra Rollers



Stock No.	173801	173802	173803	173804
Model	TB-12	ETB-12	ETB-25	ETB-40
Thickness max	18Ga.	18Ga.	12Ga.	8Ga.
Cylinder length	5.5"	5.5"	4.72"	6.5"
Throat depth	8"	8"	11"	11.81"
Motor power	-	0.75kW	1.5kW	2.2kW
Packing size	23x13x24 in	44x19x59 in	58x23x54 in	65x23x56 in
N.W./G.W.	101/130 lbs	256/285 lbs	540/690 lbs	65x23x56 lbs





Standard Accessories

- Shrinker jaw, stretcher jaw and handle

Optional Accessories

- Foot pedal

SS-16



Stand for SS-16
SS-16F



SS-18FD

- Standard:
- Two body
 - Two jaws
 - One stand



Video



- 1-shrinker jaw
- 1-stretcher jaw

- Bring chamfered plate with inside and outside radius into professional S-form
- The shrinker contracts sheet metal for inside curves
- The stretcher expands sheet metal for outside curves
- Standard: one Body+Two Jaws



SG-18



SS-18



FSM-16

- Quick change jaws to make forming faster
- Easy to move with wheels

Stock No.	173208	173228	173223	173220	173225
Model	SS-18	SG-18	SS-18FD	SS-16	FSM-16
Capacity	18 Ga.	16 Ga.	18 Ga.	16 Ga.	16 Ga.
Throat depth	1"	2-3/4"	1"	8"	6"
Packing size	19x6x8 in	19x6x8 in	44x17x7 in	15x8x19 in	48x22x14 in
N.W./G.W.	12/13 lbs	12/13 lbs	53/57 lbs	53/57 lbs	84/132 lbs



Specifications subject to change without notice.



F1.2x710

English Wheel

- They are mainly used in car, motorcycle, aviation and racing car construction or restoration where sheet metal panels need to have compound curves formed.
- Great Capacity, Easy Operation, Heavy-Duty and Solid Construction
- The operator passes the sheet metal between the anvil wheel and the rolling wheel. This process stretches the material and causes it to become thinner. As the material stretches, it forms a convex surface over the anvil wheel.
- This heavy duty steel fabricated machine has a large 710 throat which allows a capacity of 1.2mm for mild steel.
- 6 pcs bottom wheels and 1pc upper rolling wheel included with delivery.
- Upper Wheel Size: 8" radius x 2" Width, Lower Wheel Size: 2", 3", 4", 6", 8", 12" Radius.



PPH-500

Pneumatic Planishing Hammer

- The planishing hammer is built with high quality steel.
- It can fully operate to smooth the metal areas such as welds and panel crowning.
- Foot pedal operation allows high flexibility and adjustment where you leave your hand free.
- The solid cast-iron steel frame safeguards the stability when you are working.
- The capacity for this planishing hammer can be up to 18 gauge.
- Speed: 875-1350 rpm
- Anvil-to-hammer opening: 4"
- Operating air pressure: 50 to 100 (Max.) PSI

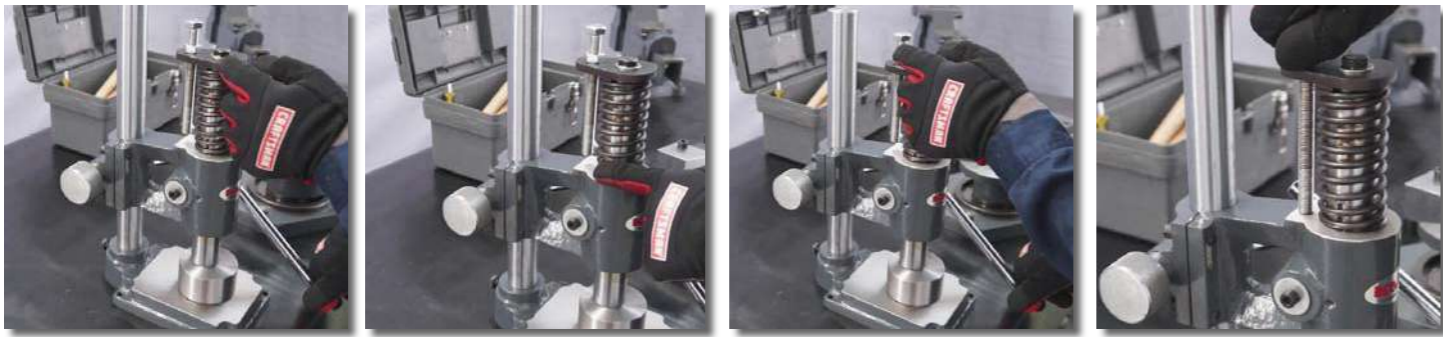


Video



Stock No.	173221	192101
Model	F1.2x710	PPH-500
Capacity	18 Ga. mild steel, 14 Ga. soft aluminium and copper	18 Ga.
Throat depth	28"	19-5/8"
Packing size	Body: 35x32x5 in Stand: 37x18x5 in	30x26x10 in
N.W./G.W.	169/178 lbs	51/57 lbs

ARBOR PRESS



1 2 3 4



AP-1S



AP-2S



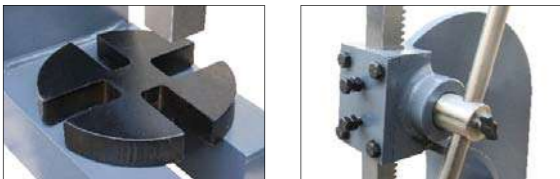
Video



MP-1

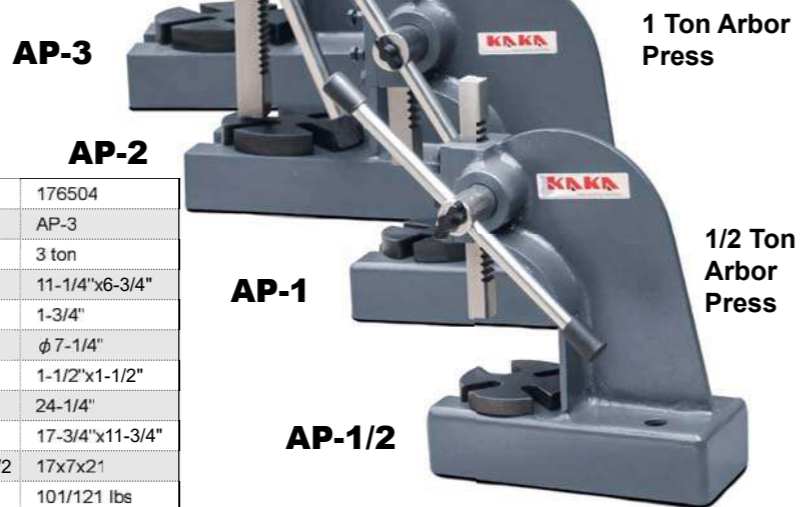
Stock No.	176516	176512	176513
Model	MP-1	AP-1S	AP-2S
Capacity	10 KN	10 KN	20 KN
Handle power	-	200 N	200N
Travel	4.72"	5.9"+2.36"	7.87"+3.15"
Table size	9.25"	7.87"x4.72"	7.87"x5.9"
Packing size	26x12x8 in	17x9x8 in	17x9x8 in
N.W./G.W.	55/68 lbs	24/26 lbs	35/37 lbs

- High quality steel body design
- For press-fitting and pulling bearings
- 4-position plate



AP-3

AP-2



AP-1

AP-1/2

1 Ton Arbor Press

1/2 Ton Arbor Press



Specifications subject to change without notice.

HYDRAULIC PRESSES



HP-10S

HP-25S

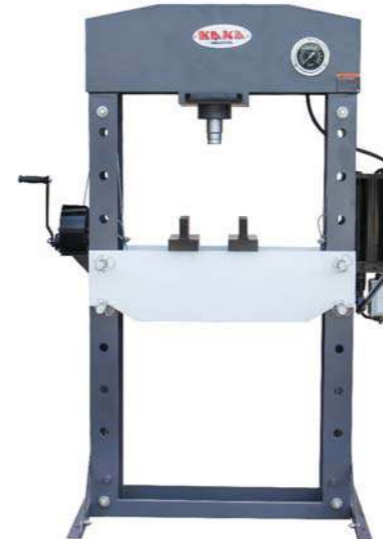


Video

HP-25

HP-50

- Frame Type H-Frame
- Includes Table Plates; V-Blocks
- Application Bending, Forming, Pressing, Punching, Staking and Clamping, Straightening
- Cylinder Type Single Acting
- Heavy Duty Welded Channel Frame



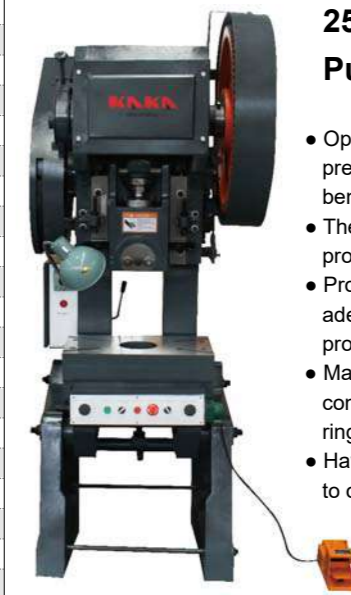
HP-50P



Stock No.	182121	182122	182123	182124	182002
Model	HP-10S	HP-25S	HP-50P	HP-25	HP-50
Pressure	10 ton	25 ton	25 ton	25 ton	25 ton
Ram Maximum Stroke	7"	7"	7"	9-5/8"	8-5/8"
Ram Diameter	2"	3-1/6"	4-3/4"	4-15/16"	6-1/4"
Maximum Distance to Table	17-3/4"	17-3/4"	23-5/8"	19-11/16"	27-1/2"
Base Size	7-7/8"x7-7/8"	11-5/6"x7-7/8"	-	11-5/6"x10-1/4"	18-8/7"x14-1/6"
Bed Support Pin Diameter	0.86"	1.18"	1.57"	1.18"	1.57"
Number of Bed Adjustment Holes	4	6	8	4	5
Bed Adjustment Hole Spacing	5-5/16"	5-5/16"	5-5/16"	5-5/16"	5-5/16"
Pump Type	Manual Double Speed	Manual Double Speed	Hydraulic +Pneumatic	Gear pump CBN2.0	Gear pump CBN2.0
Reservoir Capacity	2 L	2L	3 L	8 L	12 L
Packing size	38x32x14 in	39x20x69 in	55x30x81 in	45x22x71 in	58x25x87 in
N.W./G.W.	126/174 lbs	370/463 lbs	577/741 lbs	661/794 lbs	1322/1477 lbs

Stock No.	162012
Model	JB23-25
Nominal force	250 kN
Stroke under nominal force	0.09"
Slide block stroke	2.75"
Number of stroke	65 times/min
Max die set height	7.8"
Die set height adjustment	1.18"
Distance from slide block center to the frame	7.8"
Workable dimensions(F-BxL-R)	13.7"x2.04"
Dimensions of worktable hole	φ 4.7"
Thickness of bolster	1.96"
Dimensions of slide block(F-BxL-R)	6.69"x8.6"
Size of the handle hole(DiameterxDepth)	1.5"x2.3"
Distance between columns of body	9.4"
Motor Type	Y100L-4
Motor Power	3.0 kW
Max. inclinable angle	25°
Packing size	86-5/6x36-1/4x54-3/4 in
N.W./G.W.	3638/3858 lbs

25 Ton Mechanical Power Punch Press Machine



- Open Eccentric Presses is a general-purpose presses, suitable for forming, blanking, punching, bending and other cold stamping processes.
- The clutch gives continuous strokes for mass production.
- Properly sized flywheel, for storing and releasing adequate energy for the pressing operations, and properly balanced for smooth running.
- Machine is with both hands button and footswitch control: anti-tie down, non-repeat controls with ring guards; conforms to OSHA.
- Have a movable single-hand pedal switch, easy to operate.

JB23-25



Specifications subject to change without notice.

Specifications subject to change without notice.



Make what you like



WELDING POSITIONERS



WP300SM



WP30M

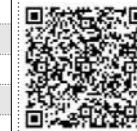


WP300M

- With this device workpieces can be turned easily into any position
- The turning is achieved fast and safely by hand
- Neither a motor nor another drive is required
- The mounting head is adjustable by hand to 22.5°, 45° and 90°
- Foot height adjustable in 50mm steps

- The turning is achieved fast and safely in two axes
- A slight pressure of the hand is enough to move the workpiece into a new position
- Neither a motor nor a control unit is required
- Both turning axes with backlash-free bearings
- The rotating structure with fast positioning and locking device

Stock No.	178371	178375	178376
Model	WP300SM	WP30M	WP300M
Horizontal loading capacity	660 lbs	66 lbs	660 lbs
Vertical loading capacity	330 lbs	44 lbs	330 lbs
Table height	28".30".32".33.8"	14.6"	40"
Table adjusting range	28".30".32".33.8"	Min:11", Max: 18"	Min:25", Max: 49.4"
Packing size	26x26x34 in	28x17x18 in	61x50x46 in
N.W./G.W.	190/251 lbs	62/88 lbs	298/441 lbs



Video

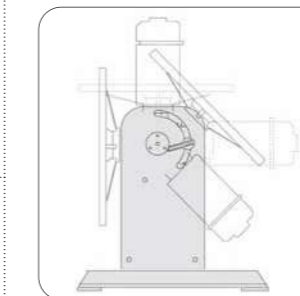


WP-220



WP-500

- Rotating 360°
- Variable rotating speed
- Foot pedal control
- Table tilt up to -45°-90°
- Slow rotating speed to ensure perfect welding
- Structural rigidity, strong loading capacity
- Suitable for heavy workpiece welding, cutting & packing, etc.
- ϕ 170 hollow Chuck, allow the material put through. Used for round tubing, pipe, or solid welding (WP-500T)



-45°-90° tilt angle



WP-350



WP-500T

Stock No.	178381	178382	178383	178384
Model	WP-220	WP-350	WP-500	WP-500T
Horizontal loading capacity	485 lbs	771 lbs	1102 lbs	1102 lbs
Vertical loading capacity	220 lbs	265 lbs	551 lbs	551 lbs
Table dia.	13"	13"	21.6"	21.6"
Table height	17.7"	19"	26"	26"
Rotation speed	0-5 rpm	0-5 rpm	0-5 rpm	0-5 rpm
Tilt angle	-45°-90°	-45°-90°	-45°-90°	-45°-90°
Tilt by	Manual	Manual	Motor	Motor
Rotation motor	150W 0.2HP	150W 0.2HP	400W 0.5HP	400W 0.5HP
Packing size	25x20x25 in	25x20x25 in	32x29x28 in	32x29x28 in
N.W./G.W.	75/106 lbs	84/115 lbs	485/540 lbs	507/562 lbs

WELDING

■ Welding Positioners

■ Support Stands

■ Plasma Cutting Machine

■ Folding Pipe Jacks

■ Pipe Clamps

■ 3 Jaw Scroll Chuck

■ Welding Turning Roller

■ Hand-heled Laser Welding Machine

■ Weld Working Table

■ Angle Clamp Vice

Specifications subject to change without notice.

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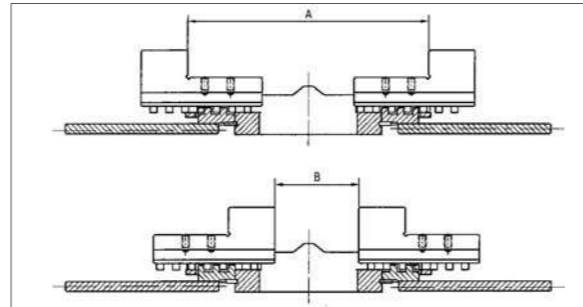
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WELDING 58



3 Jaw Scroll Chuck WPC-200 /300 /400

- 3 Jaw Chuck
- Self Centering
- Simple and portable
- Accurately Repeat positioning
- Includes both Inside and Outside diameter clamping jaws
- Could be well used on the welding positioner machines



Item No.	178451	178452	178453
Model	WPC-200	WPC-300	WPC-400
Max. clamping force	440 lbs	550 lbs	770 lbs
Max. loading capacity	66 lbs	260 lbs	529 lbs
Hole diameter	φ 3.1"	φ 3.9"	φ 6.7"
Clamping scope A	φ 4.3"-8.2"	φ 6.7"-11.8"	φ 9.8"-14.9"
Clamping scope B	φ 0.39"-5.1"	φ 3.1"-7.4"	φ 4.7"-9.8"
Packing size	16x16x4 in	19x19x4 in	24x24x9 in
N.W./G.W.	22/24 lbs	35/37 lbs	46/48 lbs
Usage	WP-200, WP-350	WP-200, WP-350, WP-500	WP-500, WP-500T



- Used for round tubing, pipe, or solid welding
- Easy to operate with its foot pedal control and variable speed
- Speed can be adjusted from 0 to 8 rpm
- φ65mm hollow Chuck, allow the material put through



Stock No.	178379
Model	WP-110T
Horizontal loading capacity	245 lbs
Vertical loading capacity	121 lbs
Chuck size	8"
Rotation speed	0-8 rpm
Tilt angle	0°, 30°, 60°, 90°
Tilt by	Manual, Pin shaft fixing
Rotation motor	150W 0.2HP
Packing size	20x20x23 in
N.W./G.W.	143/176 lbs



WP-1000 /WP-2000

- Structural rigidity, strong loading capacity
- Suitable for heavy workpiece welding
- 0.1 to 1.2 RPM rotation speed
- Power tilt adjustment
- 0° to 135° tilting angle
- Standard hand control pendant and foot pedal
- High frequency protected
- Important: The load center of Gravity should not exceed 12" from the table center and 12" from the face of table

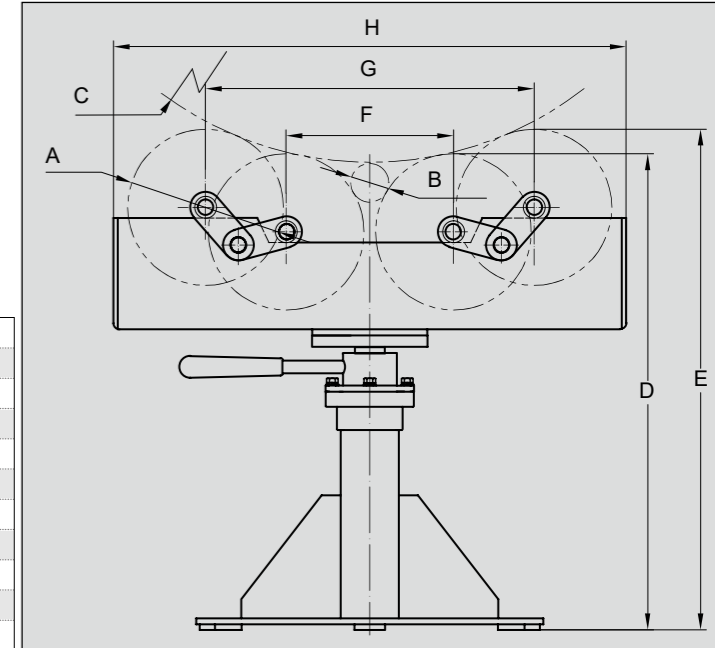
Stock No.	178385	178386
Model	WP-1000	WP-2000
Horizontal loading capacity	3307 lbs	5511 lbs
Vertical loading capacity	2205 lbs	4410 lbs
Table dia.	39"	43"
Table height	41.7"	44"
Load Center of Gravity	12"	12"
Rotation speed	0.1-1.2 rpm	0.1-1.2 rpm
Tilt angle	0°-135°	0°-135°
Tilt by	Motor	Motor
Tilt speed	135°/57s	135°/57s
Rotation motor	0.75kW 1HP	1.5kW 2HP
Packing size	67x51x51 in	75x59x51 in
N.W./G.W.	2579/3020 lbs	3417/3902 lbs



WTR-450 /WTR-2250



Item No.	178400	178401
Model	WTR450	WTR2250
Max. loading weight	992 lbs	4960lbs
Wheel size (dia.x width)	A 8"x2.5"	8"x2.5"
Loading diameter range	B-C 1.9"-36"	1.9"-36"
Min. Stand height	D-E 25.6"	28"
Center Distance	F-G 8.5"-17"	8.5"-17.5"
Frame width	H 26"	28"
Screw Travel	8"	8"
Packing size	27x18.5x26 in	31x21x33 in
N.W./G.W.	121/145 lbs	143/172 lbs



Roller Stands



MR3000

- With large weight capacity.
- Pipe capacity adjusted at 4"-48"
- The steel of wheels covered with heavy polyurethane
- Expanded pedestal with 37.4"x36" makes pipe much stable

Item No.	178404
Model	MR3000
Min. pipe Dia.	φ 4"
Max. pipe Dia.	φ 48"
Weight capacity	6600lbs
Wheel Dia.	φ 8"
Height ranges	34"-42"
Packing size	54x39x38 in
N.W. /G.W.	264/352 lbs



PTR-800

- Quick Change design increases roller stand utility
- Fits 1/2" to 36" pipe
- Roller adjustment from either side
- Legs can be replaced for easy repair



PTR-185

PTR-1090A

Set screw for double margin of safety



- Simple design avoids welder interference
- Fast adjustment for easy pipe positioning
- Brake to lock loads for layout or fit-up
- Quick Change design increases roller stand utility

Item No.	178411	178413	178414
Model	PTR-185	PTR-800	PTR-1090A
Table height	7.25"	31"	29"-43"
Load capacity	1100lbs	1100lbs	1100lbs
Fits Pipe Dia.	φ 1/2"-36"	φ 1/2"-36"	φ 1/2"-36"
Packing size	22x11x12 in	32x23x36 in	31x21x34 in
N.W. /G.W.	21 kg	33kg	33kg



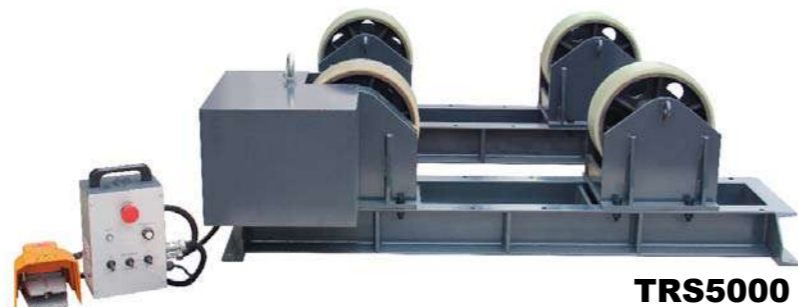
WELDING TURNING ROLLER



Welding Turning Roller



TRS1200



TRS5000



TRS2200



- Foot Control
- Variable Rotation Speed
- One Drive and One Idler are included
- Additional idler rolls available
- Simple and Compact Structure Design
- Very Easily Adjustable Wheel Spacing



Video

Stock No.	178332	178333	178334
Model	TRS1200	TRS2200	TRS5000
Max. loading capacity (set)	2645 lbs	4850 lbs	11023 lbs
Rotation Speed	0-4.6 ft/min	0-12 ft/min	0-5.7 ft/min
Applicable workpiece dia.	7.87"-31.49"	4"-60"	12"-96"
Wheel Size(φ x w)	φ 8"x2.56"	φ 10"x3"	φ 12"x4"
Motor Power	250W 0.33HP	500W 0.67HP	500W 0.67HP
Packing size	24x26x19 in	40x32x20 in	59x41x27 in
N.W./G.W.	189/231 lbs	485/540 lbs	716/815 lbs

PLASMA CUTTING MACHINE

Handhold control



PC-2'x4'

ALLFID power unit

Stock No.	186502
Model	PC-2'X4'
Cutting area	24"x48"
Cutting thickness	(40A) ≤ 0.4" (100A) ≤ 1"
Cutting speed	0 - 236" /min
Z-Axis feeding height	5.9"
Feeding precision	±0.04" (per 39.4")
Drive system	Lead screw
Power	6, 11 kW
Packing size	73x45x52 in
N.W./G.W.	561/781 lbs

- Water assist cooling
- Fully welded main frame
- Industrial cable track on X axis
- Hardened ground slideways with wipers on X,Y axis
- High quality stepper motor on X,Y axis
- With hand held control, plasma power system & Torch
- With USB interface can work without computer
- Includes easy used programming software

HAND-HELED LASER WELDING MACHINE

- Small Body, Efficient Welding
- Dual-drive Handheld Swing Laser Welding Head
- Simple Operation Panel
- Water Cooler
- Standard 10 Meters Optical Fiber
- 360° No Dead Angle Micro Welding



LW-2000

Stock No.	162402
Model	LW-2000
Laser Power	2000W
Output Power Stability	±2%
Machine Power	≤9.5KW
Operating Environment temperature range	10-40°C
Working Environment humidity range	< 70°C No condensation
Welding Line Requirements	≤0.5mm
Max Welding Speed	0-120mm/s
Packing size	39x25x36 in 47x25x38 in



Specifications subject to change without notice.

PIPE CLAMP & ANGLE CLAMP VICE



WPC-3

Pipe Clamp

- Available in three sizes for 25-305mm pipe fit-up.
- Durable thread design used for years in the field.
- Lightweight design is great for overhead work.
- With stainless contact points standard, the pipe clamp is ready for exotic pipe fabrication out of the box.
- Great for most types of fit-ups. Pipe to pipe, pipe to elbow and pipe to flange amongst others.

Item No.	378461	378462	378463
Model	WPC-3	WPC-6	WPC-12
Pipe capacity	1"-2-1/2"	2"-6"	5"-12"
Packing size	12x9x4 in	12x9x4 in	12x9x4 in
N.W./G.W.	1.5/3.3 lbs	8/10 lbs	15/16 lbs



Pipe to pipe

Pipe to flange



Pipe to fitting

Pipe to tee

Angle Clamp Vice



AC-100

- Perfectly square joints every time
- Self-centering and swiveling jaw
- Copper plated screw spindle 90 degree miter vise



Item No.	176301	176302
Model	AC-60	AC-100
Jaw height	1-3/8"	2-1/4"
Jaw width	2-1/4"	3-1/2"
Jaw opening	2-1/4"	4"
Packing size	7.5x7.5x4 in	11x10x4.7 in
N.W./G.W.	11/13 lbs	26/29 lbs

WELD WORKING TABLE



WT-36X24

- Reversible tabletop with nitrided black oxide protective
- CNC Hole Patterns make set up and fixture parts accurately
- Attached working tray for convenient cut, clamp fixture and weld



Standard: tube & Pipe Notcher



Quick down device for working tray

Item No.	178501
Model	WT-36X24
Tabletop Size	36"x24"x5/8"
Tabletop Flatness	≤0.006"
Dia. Hole/Number	φ 0.63" /216
Grid pattern	2"x2"
Max. Loading Capacity	1500 lbs
Packing size	40x28x42 in
N.W./G.W.	375/418 lbs

FOLDING PIPE JACKS



AC-100H

- Cast iron body clamp
- Top clamp swivel, standard with 1 small and 1 large clamp attachment.
- Jaw opening up to 4"



Video



APJ-1 V-Head

APJ-2 Ball transfer sleeve

APJ-3 Roller head w/ steel wheels



- Increased V-Head dimension.
- 1-1/2" Acme threaded rod.
- 1" tube steel legs and tube steel brace supports.
- Multiple head options.
- Optional safety ring secures safety washer to base.
- 1/4" T-handle lock reduces wobble in fit-up.
- Bottom tube washer offers extra lateral rigidity.
- Powder coated safety red
- Fully welded carry handle doubles as security lock point.

Item No.	178295	178296	178297
Model	APJ-1	APJ-2	APJ-3
Weight capacity	2400 lbs	1000 lbs	1000 lbs
Adjustment height	28"-51"	28"-51"	28"-51"
Packing size	31x10x8 in	31x10x8 in	31x10x8 in
N.W. /G.W.	30/33 lbs	33/36 lbs	30/33 lbs





Make what you like



WOOD WORKING

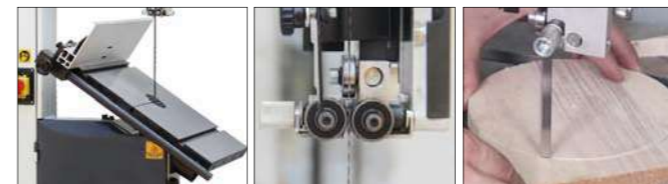
- Wood Working Band Saw
- Planers
- Mortising Machines
- Dust Collector Machines

- Table Saws
- Drill Presses
- Belt/Disc Sanders



WOOD WORKING BAND SAW

14" & 18" Deluxe Band Saw



Item No.		271006	271007
Model		WBS-14	WBS-18
Cutting capacity	Height	13"	12"
	Width	13.6"	18.3"
Blade	Width	0.1"-0.7"	0.23"-1.25"
	Length	111"	145"
Table	Size	16"x21.5"	16"x21.5"
	Left tilt	10°	10°
	Right tilt	45°	45°
	Height to floor	39.5"	37.7"
	Groove "T" slot	(2) 0.39"x0.74"	(2) 0.39"x0.74"
	Motor	Amps	14/7A
	Horsepower	1.1kW /1.5HP	2.2kW /3HP
	Volts	110V	110V
	Speed capacity	2	2
	Speed range	1443/2952 ft/min	1509/3215 ft/min
Overall	Height x Width x Depth	73"x30"x25"	76"x38"x28"
Packing size		54x19x23 in	82x23x51 in
N.W./G.W.		249/267 lbs	388/498 lbs



WBS-14



WBS-18

- Edge facing thrust bearings: Extends blade life and improves stability
- Blade tension window: Check your blade tension without opening the door
- Quickly release the blade tension when changing blades or when machine is off, increasing blade life
- Hinged blade guide with sight window: Easy access blade changes and workpiece visibility
- The saw blade of the woodcutting bandsaw has a fine-tuning guide bearing to ensure the cutting precision.
- Heavy duty fence with drift adjustment: Blade drift in your workpiece can be easily adjusted. The fence can be mounted right or left of the blade; includes re-saw bar.
- Dust port: Attach your dust collection system
- 2 Speeds: Allows cutting of non-ferrous materials

TABLE SAWS

- 52" Industrial Fence
- Heavy-Duty Miter Gauge
- Large handwheels for easy adjustments
- Includes extension table board
- A greater degree of accuracy and longer-lasting reliability
- Large table surface 40"x27" with unsurpassed flatness
- Digital display of saw blade moving depth and cutting angle (WTS10-50S)



WTS10-50



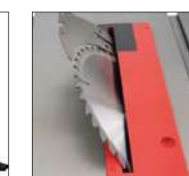
Video



WTS10-50S



Optional Mortising Device



Item No.	471103	471105
Model	WTS10-50	WTS10-50S
Motor Power	2.2kW / 3HP	
Casting table size	40"x27"	
Blade	10"	
DADO blade size	8"	
Maximum Width of Dado	13/16"	
Blade speed	3550RPM	
Blade Tilt (Left)	45°	
Max. Depth of Cut At 90° & 45°	3-3/8" & 2-1/4"	
Max. Rip Right of Blade	52"	
Max. Rip Left of Blade	20"	
Lifting	Dovetail	
Dust Port Size	4"	
Overall size	84"x38"x40"	
Packing size	Machine:45x34x12 in	Rail:89x6x6 in
N.W./G.W.	496/655 lbs	547/705 lbs

Specifications subject to change without notice.

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WOOD WORKING 64



Multifunctional Woodworking Machine (Planer + Thicknesser + Cutter + Drill)

- Multifunctional portable woodworking machine WM-3020 is the most functional one
- The basic function: thicknessing, sawing, planing, milling and drilling.
- This machine does not require special working place as there are supporting legs in the set of shipment
- Max. section of working object at thicknessing: 9.8x6.3 inch
- Dimension of table at thicknessing (L x W):22.8x9.8 inch



WM-3020

Item No.	47004
Model	WM-3020
Max. one-way planing thickness	9.8"
One-way planing depth	0"-1.37"
Max. sawing depth	3.35"
Max. planing thickness with use of clamping device	9.8"
Max. thickness of clamped object	2.36"
Range of cutting and planing angles at using devices	0-45 degree
Rated diameter of saw-blade	9.8"
Quantity of knives	2 pcs
Knife length	9.8"
Saw table dimensions L x W	29.5"x20"
Dimensions of the tables (mobile and immobile) at paning L x W	39.3"x12.5"
Table dimensions at milling/drilling, LxW	14.5"x7.8"
Rated idle RPM	5500 revs/min
Rated input power	2.2kW 3HP
Working mode of electric motor	S6-40
Packing size	41x20x21 in
N.W./G.W.	172/181 lbs

Planer W/ Spiral Cutterhead

- Benchtop planer, save floor space
- Rubber-coated outfeed roller
- Precision-ground cast-iron table
- A four-column support with easy handwheel height adjustment
- Magnetic switch with thermal overload protection
- A powerful 3 HP motor and 5000 RPM cutterhead speed
- Two gas struts for headstock lifting assist



WDP-4215B



Item No.	473055
Model	WJP-15B
Max. cutting width	15"
Min./Max. stock thickness	1/4"- 8-1/4"
Maximum cutting depth	1/8"
Cutterhead type	Spiral cutterhead
Insert size & type	14x14x2mm, indexable carbide
Cutterhead speed	5000 rpm
Feed rate	32rpm & 56rpm
Table size with extensions	20-1/4"x15"
Packing size	37x25x28 in
N.W./G.W.	320/363 lbs

Surface Planer



WDP-4010



- High quality and industrial grade machine
- Integrated dust extraction
- Grey cast iron tables with ground surface
- Spring-suspended cutterblock
- protection device for maximum safety
- Precise bedded cutterblock

Item No.	473004
Model	WDP-4010
Planing width	10"
Table length	41-5/16"
Max. cutting depth	3/16"
Cutter block type	Straight (3 edge)
Cutter speed	6500r/min
Fence tilt	0-45°
Motor power	2.2kW 3HP
Packing size	44x21x36 in
N.W./G.W.	320/419 lbs



Dust Collector Woodworking

- DC-900 Dust Collector can be moved from one machine to another when needed, instead of having to build an entire fixed dust collection system and running ducts to each machine.



Two 4" adapter

DC900



Video

Item No.	487105
Model	DC900
Motor power	1350W
Airflow capacity	56503 cuft/h
Wind pressure	1200PA
Diameter of impeller	11.45"
Intake hole size	φ4"
Dust bag volume	11.65 cuft /H
Filtration	30UM
Vacuum tube	φ4 inch-1pc
Tube length	102.3"
Packing size	35x20x19 in
N.W./G.W.	108/115 lbs

Benchtop Combination 1" X 42" / 8" Disc Sander



BTM-200

- This Combination Belt/Disc Sander will shape and smooth right to the line. A 1/3 HP, capacitor-start induction motor powers the 1" x 42" belt and 8" disc through any sanding chore and the cast-iron tilting tables give you the flexibility you demand. Includes single-knob tracking and two 2" dust ports.

Variable-Speed Benchtop Drill Press with Laser

- Belt drive head, achieve variable drill speed
- Digital display the speed
- Keyed drill chuck, range from 0.039-0.629 inch
- Distance from spindle to column, 7.2 inch
- 0.75 kW motor, single phase power could be used at home
- B18 spindle taper

Item No.	187105
Model	DP-16
Max. drilling	5/8"
Chuck size	0.039"-0.6"
Table size	11"x11"
Spindle taper	B18
Spindle travel	3.4"
Distance spindle axis to column surface	7.2
Spindle speeds range	260-1800rpm
Column dia.	2.8"
Motor power	750W 1HP
Packing size	38x24x14 in
N.W./G.W.	126/133 lbs



DP-16

Benchtop Mortising Machine

- The extra-long steel handle conveniently adjusts to different indexed positions to provide leverage.
- Tool storage rack on back of column
- Includes 1-3/4" riser block for increased capacity
- Dovetailed column with adjustable ways
- Includes four chisels: 1/4", 5/16", 3/8", 1/2"
- Dovetailed column and head
- Adjustable depth stop
- Multi-positional handle
- Cast iron construction throughout
- Rack and pinion fence movement (without riser block installed)

Item No.	462201
Model	MS3816
Motor	0.37kW / 1/2HP
Spindle speed @60Hz	1725 RPM
Spindle taper	JT #2
Diameter of impeller	3-1/4"
Chisel size range	1/4"-1/2"
Chuck size	3/8"
Collar size	5/8"
Maximum stock width	8-1/2"
Maximum stock thickness without extension block	4-1/4"
Maximum stock thickness with extension block	6"
Maximum mortising depth	3"
Maximum chisel travel	4-5/8"
Maximum distance column to chisel	5"
Table size	10-1/2"x12-1/4"
Packing size	13x29x32 in
N.W./G.W.	70/77 lbs



MS3816

Item No.	162203
Model	BTM-200
Motor	0.25kW / 1/3HP
Disc speed @60Hz	1725RPM
Sanding belt speed	3000 SFPM
Tables tilt	Left 0°, Right 45°
Belt sander table size	6"x7"
Disc sander table size	4"x10"
Platen size	1"x42"
Two dust port size	1-1/2"
Takes standards	1" x 42" belts and 8" PSA discs
Packing size	35x20x19 in
N.W./G.W.	108/115 lbs

