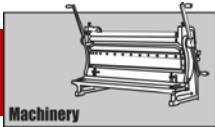




Bench Grinders, Disc Sanders & Jointers.....	08
Benders, Braks, Shears, Presses, Notchers & Other Metal Process Machines.....	01~07
Drilling Machines & Drill/Mill Machines.....	20~21
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Thread Cut Machines & Grinding Machines.....	13~15
Wood Lathes, Saws, Cutter rmasters & Mortising Machines.....	09~12



Machinery

THROATLESS SHEAR

Designed to allow you to turn the workpiece at any angle for straight, curved, and irregular cuts. Will cut mild steel, aluminum, stainless steel or lighter material.



- Cut capacity 2.0mm
- 18" handle for good leverage
- Blades: alloy tool steel, 4" length
- Dimensions: 8-1/4x13-1/2"x27-1/4"
- Base size: 5-1/8x3-7/8 with three mounting holes (3/8" diameter)
- Tool weight: 16.4lbs

PLATE SHEARS

130-1301



- Including cutting wheel system for the cutting of irregular plate forms
- Unlimited cutting length

Model No.	130-1301	130-1305
Copper plate	3 mm	5 mm
Aluminum plate	3 mm	5 mm
Steel plate	2 mm	5 mm
V2A plate	1 mm	3.5 mm

52" HAND BRAKE

- Max bending thickness: 16 gage (2.0mm)
- Max bending width: 52"
- Height of worktable above the floor: 30"



- Overall dimension of the machine
Length: 2250mm
Width: 758mm
Height: 1200mm
- Net Weight: 541KG

Model No. 130-5000

48" HAND BRAKE

- Max bending thickness: 12 gage (2.5mm)
- Max bending width: 48"
- Height of worktable above the floor: 30"
- Overall dimension of the machine
Length: 2148mm
Width: 758mm
Height: 1332mm
- Net Weight: 581KG



Model No. 130-5035

STEEL TUBE & PIPE NOTCHERS

Notches, capes, or saddles any pipe or tube up to 2" in diameter, round or square. Easy set-up for angles to 45°. Uses all standard hole saws up to 3" with either a 1/2-20 or 5/8-18 thread mount. 1/2" diameter drive shaft for use with any 1/2" capacity drill motor. Made of heavy plated chrome steel. The pipe clamp has a black oxide finish. 5-1/4x3 mounting plate with 3-1/4" drilled holes. Weight 9lbs. Hole saw not included.



Model No. 130-5110

UNIVERSAL BENDER

For angular, roll, hoop and coil bending to produce grids, doors, gates, balcony railings, patio furniture as well as rod iron lamps, Suitable for steel, brass, copper, and aluminum.

- Capacity: 28-1/2 Tons
- Round Bar: 5/8"
- Square Bar: 19/32"
- Flat Bar: 1-3/16x5/16"



Model No. 130-5045

HYDRAULIC BENDER

Bends pipe and tube from 1/2" to 2" diameters, up to 180° Bending bars are adjustable to accommodate distances of 8-1/2", 11-1/4", 12", 19-1/2", and 22-1/4". Steel frame is 4" deep, 21" high and 24" wide. Includes 10 ton jack. Weighs 120lbs.



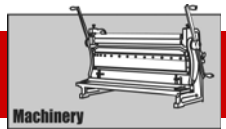
Model No. 130-5120

HYDRAULIC TUBE BENDER 1/2"-3"

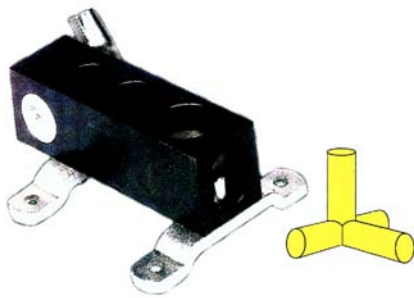
- Vertically lay-up, top bending configuration
- 8 bending molds for pipe diameters: 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3"



Max.Capacity	Max.Ram Stroke	Packing Size	Model No.
12T	(9.5") 240mm	70x56x18cm	130-5121
16T	(9.5") 240mm	90x61x20cm	130-5122



TUBE NOTCHER



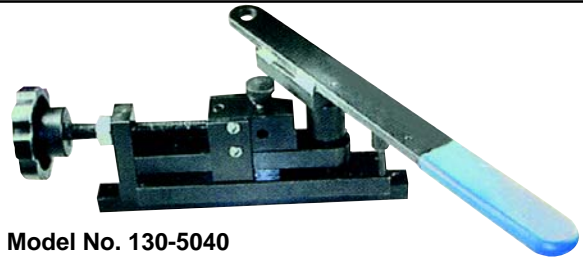
- For tubes with up to 5mm thick walls, steel or NE
- For joining and welding pipes together at 90°
- Multiple tube diameters combined in one device
- Horizontal and vertical operation
- Suitable for double connections

Model No.130-1401 Diameter 27-43mm
Model No.130-1405 Diameter 48-60mm

UNIVERSAL BENDER

Forms wire, flat metal and tubing into clamps, handles, brackets, hooks, coils and more! Makes sharp angle bends in wire and rod up to 5/16" diameter and in flat metal to 1" x1/8". Steel construction, weighs 6lbs. Fits into a tool box and mounts on a bench or vise.

Includes circle pins for 3/16, 1/4, 1/2" diameter circles, 1" diameter circle die, form pin follower, sharp angle die, gage and handle. Optional edge bender kit adds edgewise bending capability for ductile materials to 0.12" thick and 3/4" wide. Optional circle dies form perfect circles in various diameters.

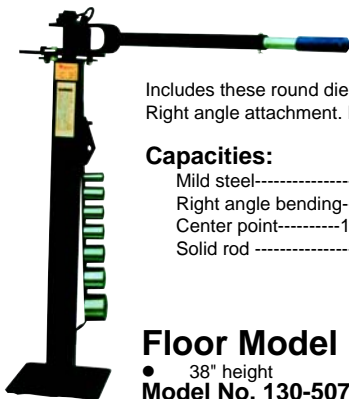


Model No. 130-5040

Bench Model

- 12-1/2" W X 48" H X 9" L.
- Model No. 130-5071**

COMPACT BENDERS



Includes these round dies: 1", 1-1/4, 1-1/2, 1-3/4, 2", 2-1/2, and 3". Right angle attachment. Handles telescope to 44".

Capacities:

Mild steel----- 5/16x1-1/4 or 1/4x2"
 Right angle bending-----3/16x1-1/4 or 1/4x1-1/4"
 Center point-----1/4" thick (use 1" die for greater)
 Solid rod -----1/2" (use 3" die)

Floor Model

- 38" height
- Model No. 130-5070**



Twister Attachment

- Capacity 1/2" pickets 36" long in hot rolled, square mild steel. Handle 25" x 1-1/4".
- Model No. 130-5072**

Scroll Attachment

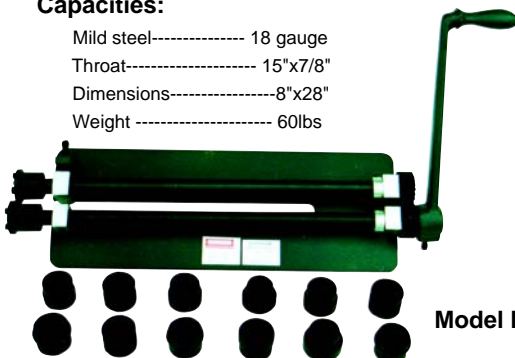
- Capacity 3/16x1/2 to 3/16x1" mild flat steel.

Model No. 130-5073

BEAD ROLLER KIT

Capacities:

Mild steel----- 18 gauge
 Throat----- 15"x7/8"
 Dimensions-----8"x28"
 Weight ----- 60lbs

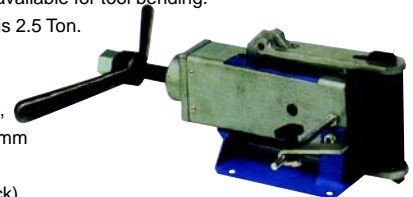


Model No. 130-5060

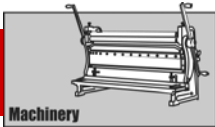
FORM BENDER

Features:

- For cold forming of steel and metals.
- Including set-up plate for table clamping.
- Punch and die tools are available for tool bending.
- The Max. Bending force is 2.5 Ton.
- Min. Adjustment 2.5mm.
- Max. Bending capacity:
 Roll material up to 20mm,
 Square material up to 18mm
 Flat material:
 20mm(width)x18mm(Thick)
 50mm(width)x11mm(Thick)
 100mm(wdth)x8mm(Thick)

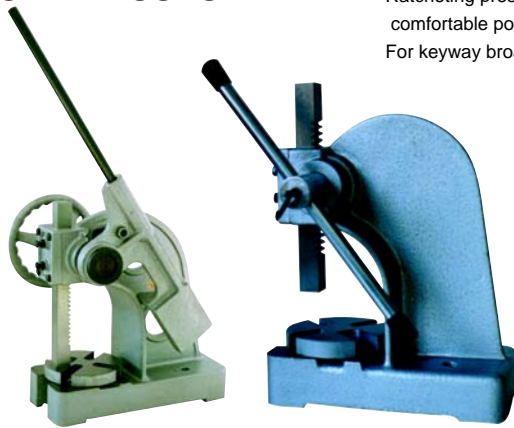


Model No. 130-5125



Machinery

ARBOR PRESSES



Ratcheting presses put lever arm in post comfortable position for final application of force. For keyway broaches.

- Heavy stub teeth.
- Heavy castings.
- Precision made.
- 4-Position anvil.
- Steel rams.
- Steel pinions.

Press (Ton)	Height of Press	Max. Work Diameter	Cap Over Table	Ram	Largest Arbor Type	Model No.
1/2	10"	6-1/2"	4-1/2"	7-1/2"	1"	805-1005
1	13"	8"	5-1/4"	9-1/2"	1-1/8"	805-1010
2	18"	12"	8-1/2"	14"	1-5/8"	805-1020
3	23"	12"	12-1/2"	18"	1-3/4"	805-1030
5	35"	17"	18"	27"	2-7/8"	805-1050
2	18-1/2"	11-7/8"	3-1/2"	13-1/2"	1-7/8"	Ratcheting 805-1120
3	21-1/2"	12"	12-5/8"	18"	2-1/2"	Ratcheting 805-1130
5	34-1/2"	17"	18-1/4"	27-1/2"	3"	Ratcheting 805-1150

HAND PUNCH

The punch is designed to use in family, school, small factory, The spring could make the arbor reach "0" position automatically



Model No. 805-1205

MANUAL PRESS

Specification	Model No. 805-1210	Model No. 805-1215
Pressure	705kg	800kg
Pressure stroke	2mm	3mm
Max.shut height	130mm	140mm



HAND NOTCHER

Heavy duty notcher cuts all shearable material with ease; steel, aluminum, plastic and rubber. Includes 1/2"x1/8" ground table wit front gages. The gages offer a full 6 inches of surface allowing for easy and accurate squaring. Reversible upper blades for both splay and pierce cutting.

Specification	Model No. 130-5103	Model No. 130-5100
Capacity	3 Ton	4 Ton
Thickness (mm)	1.5	1.6
Punches (mm)	125x125	152x152
90;ã Angle (mm)	125x125	152x152
Ram Stroke (mm)	25	20



Model No130-5100



Model No130-5103

HAND PUNCHER

- It is easy to punch a hole in steel plate.
- Punch die is interchangeable.
- Max. Punching Capacity :
Steel Plate Thickness 8mm
punch Dia. 20mm
Steel Plate Thickness 10mm
punch Dia. 16mm
- Throat Depth: 160mm.



Model No. 130-5105

BENCH METAL SHEAR

Cuts plate and round stick

Blade Length	Capacity			Model No.
	Round	Flat Bar	Plates	
5	3/8	1-1/2x0.157	1/8	130-5785
6	7/16	1-3/4x3/16	3/16	130-5786
8	1/2	1-7/8x3/16	1/4	130-5788
10	1/2	1-7/8x3/16	1/4	130-5790
12	1/2	1-7/8x3/16	1/8	130-5792



MINI SHEET METAL CUTTER

For use on mild steel. 16gage capacity. Adjustable rollers can be used for straight or curved cuts.2"Throat. Can be mounted to work bench or held in a vise. 3"x2-1/2" Base with 2 mounting holes. 11"Handle. 4-3/4" overall height (less handle)

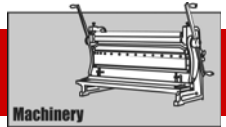


Model No. 130-5115



GUILLOTINE SHEAR

Specification	Model No. 130-0090	Model No. 130-0091	Model No. 130-0092
Bed width	500mm/20"	800mm/32"	1000mm/40"
Shearing thickness	1.5mm	1.5mm	1.5mm



HAND PIPE BENDER



Specification	Model No.130-5080
Round pipe (outer Diameter)	3/8", 1/2", 9/16", 5/8", 3/4", 7/8"
Square pipe (out Diameter)	3/4", 1"
Pipe thickness	0.8-1.2mm
Max bending angle	180

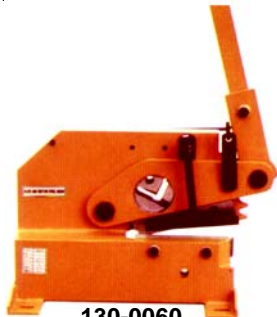
MANUAL SHEAR

- For cutting square steel, rod steel, flat steel
- Can be used to shear non-ferrous metal or plate and bar
- Be convenient for operating and carrying, light in weight, small in size without any power consumption

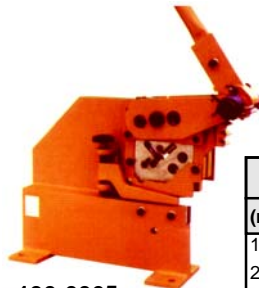


Capacity			Model No.
(mm)	(mm)	(mm)	
20	30x8	18x18	130-0070
24	35x12	20x20	130-0074
28	40x12	24x24	130-0078
32	40x14	28x28	130-0082

PLATE BAR & STEEL SHEARS



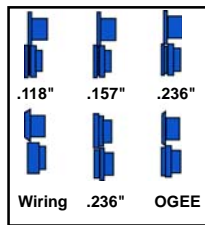
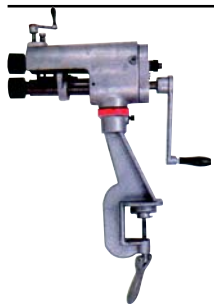
130-0060



130-0065

- ▣ Gear driven configuration
- ▣ The resilience with automatic return
- ▣ Blade is easily adjustment

Capacity						Model No.
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
16	i -	100X10	40X6	40X6	8	130-0060
22	20	90X14	60X7	60X7	10	130-0065



.118" .157" .236"
Wiring .236" OGEE

ROTARY MACHINE

- Performs burring, edging, elbowing, flanging, flattening and turning.
- Long throat makes unit highly versatile.
- Includes 6 rolls: 2 turning, 1 each of burring, wiring, crimping, and ogee bead.
- Standard clamp for table mount operation.

Cutting Capacity.....22Gage/0.8mm
 Distance Between Shaft Centers.....2" (50.8mm)
 Depth of Throat to Frame.....7"(175mm)
 Net Weight.....64Lbs(29 kgs)
 Gross Weight.....71Lbs(32kgs)
 Overall Dimension (LXWXH)......16"x8"x16"
 (458x203x406mm)

Model No. 130-5400

GEAR DRIVEN RING ROLLER



Precision, high quality machined roller forms rings out of not rolled flat stock, Metal sizes 3/16"x1" and up to 1/4" round, Create rings from 3" diameter to as large as you need. all surface are heat-treated and hardened for long life. Create chandeller, plant Holders, ornamental iron work and more.

Model No. 130-1111

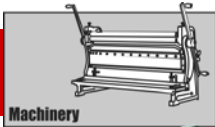
POWER TABLE FEEDS

125 in/lbs of torque for mills with 5/8 Lead Screw



Reversible, has 1.5 second time delay for feed reversal. Variable speed control allows the operation to select the right speed for the selected cut. Limit Switch for sensitive stop. 115Volt/60 Cycle. Rapid Traverse Speed: 40"/Minute. Feed Range: 0-25"/mMinute Auto Shut-off at end of cut.

Axis	Volt/Frequency	Torque	Model No.
X-axis	240v/50hzs	135lbs	199-1049
X-axis	115v/60hz	135lbs	199-1050
X-axis	115v/60hz	150lbs	199-1051
Y-axis	115v/60hz	135lbs	199-1052
Y-axis	115v/60hz	150lbs	199-1053
Y-axis	240v/50hzs	135lbs	199-1054
Z-axis	115v/60hzs	150lbs	199-1055
Z-axis	240v/50hzs	135lbs	199-1056
Feed Horizontal type	115v/60hzs	150lbs	199-1057
Feed Horizontal type	240v/50hzs	135lbs	199-1058



Machinery



3-IN-1 COMBINATION OF SHEAR, BRAKE & ROLLS

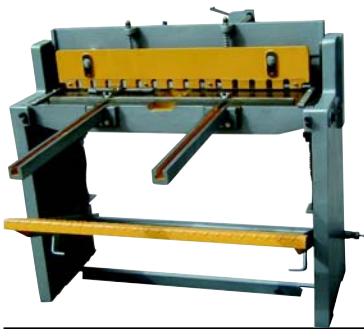
- Removable male dies with female dies.
- Micro adjustable set back Gauge standard equipment.
- 24" two position handle.

Includes:

Set of male dies and female dies. Also micro quick adjustment back gauge and shear stock hold down as standard equipment.

Specification	Model No. 130-1200	Model No. 130-2400	Model No. 130-3000	Model No. 130-4000	Model No. 130-5230	Model No. 130-5231	Model No. 130-5240	Model No. 130-5241
Bed width	305mm/12"	610mm/24"	760mm/30"	1016mm/40"	1067mm/42"	1320mm/52"	1067mm/42"	1320mm/52"
Shearing thickness	1mm	1mm	1mm	1mm	1mm	1mm	1.5mm	1.5mm
Bending thickness	1mm	1mm	1mm	1mm	1mm	1mm	1.5mm	1.5mm
Rolling thickness	1mm	1mm	1mm	1mm	1mm	1mm	1.5mm	1.5mm
Min.Rolling Dia.	39mm	39mm	39mm	43mm	43mm	43mm	62mm	76mm

PRECISION FOOT SHEARS



- Front, Side & Back Gauge.
- Use for mild steel, aluminum, copper, brass, zinc, plastic and lead.
- Finger guards.
- High chrome high steel blade.

Specification	37"X16 Gauge (2.0mm) Model No. 130-3700	52"x16Gauge (2.0mm) Model No. 130-5200
Capacity : 16 Gauge (2.0mm)	940mm/37"	1320mm/52"
Range Back Gauge	780mm/ 30-3/4"	780mm/ 30-3/4"
Range Front Gauge	900mm/35"	950mm/37-1/2"
Weight	775lbs	1030lbs

HAND SHEAR



- Dimension: 96"x29-1/2"x 41-1/3".
- Weight 550lbs.
- Max Shear Width: 78-5/8".
- Shear Thickness: 1/20"

Specification	Model No. 130-5156	Model No. 130-5155
Width	1500mm/60"	2000mm/80"
Thickness	1.5mm	1.25mm
Back gauge range	0-300mm/0-12"	0-300mm/0-13"

UNIVERSAL BRAKES



Model No. 130-3616

- Completely portable.
- Rigid cast iron.
- Bronze bushings
- Maximum gage capacities are applicable when use mild steel.
- Using galvanized steel lowers the maximum gage capacity.

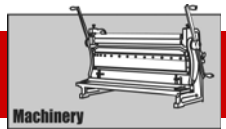
Specifications	Model No. 130-3616
Max. Bending Length	36"
Capacity Mild Steel	16 Gauge
Max. Lift of Beam	3/4"
Finger Width	1-6"
Max. Depth of Box	3"
Weight	405 lbs.

24" BENDING BRAKES



Model No. 130-3024

- Unlimited throat depth.
4 opening.
18 gage capacity.
Maximum angle 135 degree.
- Fully Steel construction with a machined bending edge.
- Both simple and complex forming, like boxes, trays, covers, etc.
- Unique toggle clamp designed for quick and positive clamping.



SHEET METAL PAN & BOX BRAKES



- Removable fingers.
- Maximum gauge capacities are applicable when using mild steel. Using galvanized steel lowers the maximum gauge capacity.

	48"x22 Gauge	48"x16 Gauge
Specification	Model No.130-4822	Model No.130-4816
Capacity: Mild Steel	22 Gauge	16 Gauge
Stainless Steel	26 Gauge	20 Gauge
Max. Beam Lift	7/8"	1-1/4"
Max. Bend Length	48-1/4"	48-1/4"
Min. Reverse Bend	5/16"	5/16"
Finger Width	2",3",4"	2",3",4"
Number of Fingers	16"	16"
Max. Box Depth	3"	3"
Beam Adjustment	0-1/8"	0-5/8"

48" HAND BRAKE

Bench Model
Simple, easy to set up and operate. Body sections are welded steel plate, with heavy truss rods and braces.

- Capacity mild steel: 20 gage.
- Bending length: 48-1/4".
- Max. Depth of box: 4"
- Max. lift of beam: 1-1/4"
- Ship weight: 470 lbs.



Model No. 130-5160

12" BENCH HAND BRAKE

Perfect for the home hobbyist and delicate forming jobs.

- Mild steel up to 18 gage.
- Adjustable cams for bending from 0 to 135 degree.
- Ground bed for clean, straight edge forming.



Model No. 130-5112



HAND BENDING BRAKE

- Dimension 93"x27-1/2"x41"
- Weight 790lbs.
- Bends 22 gauge steel
- Dimension 73"x27-1/2"x41"
- Weight 680lbs.
- Bends 20 gauge steel

Model No. 130-5150

Model No. 130-5145



130-5135



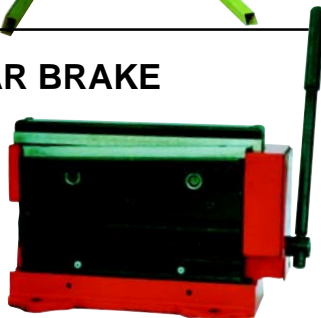
130-5130

BENDING BRAKE

	Model No. 130-5130	Model No. 130-5135
Specifications		
Width	41"	42"
Capacity	18Gage	18Gage
Weight	205lbs	209lbs
Dimension	54"x40"x38-1/2"	51-1/2"x38-1/2"x30-1/2"

7-1/2" MINI SHEAR BRAKE

Capacities:
Copper and brass----20 gauge
Aluminum-----18gauge



Model No. 130-5050

- Blade length: 8".
- Max. Cutting/ Bending length: 7-7/8".
- Mounting base 9"x5".

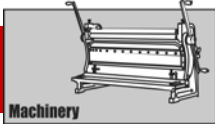
40" BENDING BRAKE

Specifications:

- Dimension: 63-1/2"x23-1/2"x50".
- 1600lbs. Tool weight
- Bends 16 gauge steel.

Model No. 130-5140





Machinery

SLIP ROLLS

Maximum gauge capacities are applicable when using mild steel.
Using galvanized steel lowers the maximum gauge capacity.



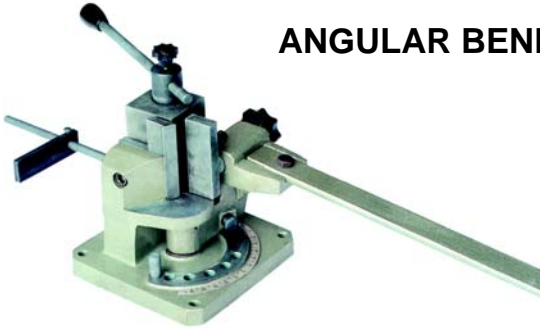
130-2420



130-5016

Capacity	Dia. Of Rolls	Weight	Model No.
12"x22Gauge0.8mm	1"	37lbs	130-1222
24"x20Gauge6.0mm	2"	140lbs	130-2420
36"x22Gauge0.8mm	2"	280lbs	130-3622
40"x22Gauge0.8mm	2"		130-4022
50"x16Gauge1.5mm	3"	570lbs	130-5016

ANGULAR BENDER



These angle iron bender are equipped with quick-coupler cam lock, hardened bending block, reversible fixed disk with R=0 mm and R=10mm, and adjustable bending angle stop.

130-5500		130-5570		Model No.
Cold	Warm	Cold	Warm	Description
100x6mm	100x15mm	70x6mm	70x15mm	Flat Steel
50x12mm	65x20mm	50x12mm	65x20mm	or
18mm	30mm	18mm	30mm	Round Steel
18mm	30mm	18mm	30mm	Square Steel
100x12mm		100x12mm		Flat Steel

REBAR CUTTERS/BENDERS

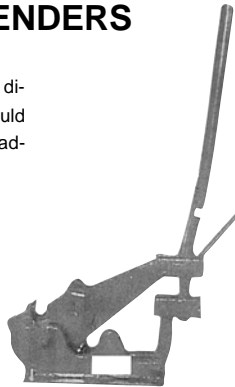
Features:

- It is designed to cut steel bar, which diameter is not more than 3/4", and could bend the rebar to 90° maximum, by adjusting the clamp arm.
- Base: 12-3/64"x6"
- Weight: 80lbs.

SET OF KNIVES OF THIS BENDER

Model No.130-5010

COULD BE SUPPLIED SEPARATELY
KNIVES Model No. 130-0020

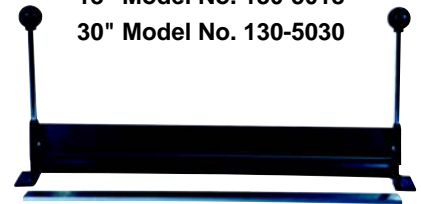


- For shops, schools, and hobbyists.
- Clean smooth bends up to 90°
- Use for heating and cooling ducts. Production runs or one time fabrication of boxes, covers and trays.
- 18" bender could bend and form up to 16 Gauge thick sheet metal. Certain applications require a cut of 1" deep slot in brake bar.
- 30" bender handles up to 16 Gauge aluminum & 18 Gauge steel.

MIGHTY MINI BENDER

18" Model No. 130-5018

30" Model No. 130-5030



MULTI METAL MACHINE



This kind of machine is widely used in the furnishing industry with the metal ornamental objects, for multiple purpose of punching shearing, twisting, scrolling, angle-bending, riveting and circle-forming.

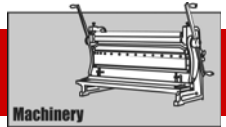
Specification	Model No.199-6000
Max. size to be processed (mm)	φ20x1,20x20x1, φ16,30x10
--for circling-forming capacities	φ16,16x16,30x10
--for forming & scrolling capacities	φ16,16x16,30x10
--for angle bending capacities	16x16,30x10
--for twisting capacities	
Spindle Speed (rpm)	
--for circling-forming capacities	15
--for forming & scrolling capacities	5
--for angle bending capacities	5
--for twisting capacities	8
Motor Power(kw)	1.1/1.5
Net/Gross Weight(kg):	210/220

CIRCLING MACHINE

Specification	Model No.199-6015
Max Size of the Stocks to be Processed(mm)	
-for Round Steel	φ30x1
-for Square Steel	30x30x1
-fro Flat Steel	30x10
Spindle Speed (rpm)	9
Motor Power (kw)	1.1
Net/Gross Weight(kg)	270/360

This kind of machine is an motor-driven equipment for forming the circles. It can process the square, round and flat metal work pieces into circle and arcs.



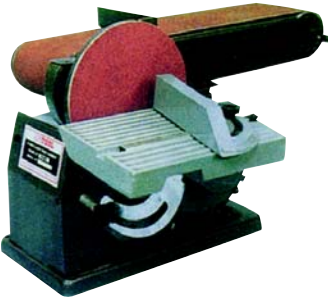


BENCH GRINDERS

- Heavy duty direct drive motor.
- Adjustable tool rests provide correct working angle.
- Adjustable spark deflectors.
- Adjustable shatter-proof eye shields for maximum safety.
- Fine and coarse wheels.

- Non-slip rubber feet and fixable hole.
- Removable wheel changes.
- Optional wire and cotton buffing brushes available.
- Wide wheel spread permits grinding longer lengths.
- 3 Conductor core with 3 prong plug.

Power (HP)	Size of Wheel	RPM	WT(KG)	Volt/ F	Model No.
1/4	125x16x13mm	2800	6.7	120-230V/50HZ	160-1010
1/4	5"x3/4"x1/2"	3400	6.7	110V/60HZ	160-1025
1/3	150x16x13mm	2800	8.2	120-230V/50HZ	160-1110
1/3	6"x3/4"x1"	3400	9.2	110V/60HZ	160-1125
1/2	200x25x16mm	2800	14.6	120-230V/50HZ	160-1210
1/2	8x1x5/8"	3400	15.2	110V/60Hz	160-1225



4" BELT & 6" DISC SANDER

Model No. 150-0460

- Disc angle and bevel sanding.
- Finish edging.
- Belt and disc included.

Specifications	Model No.
	150-0460
Belt Size	4"x36"
Disc Size	6"
Speed	1720 RPM
Table Size	5"x7-1/2"
Main Motor	110V, 1/4HP, 1PH
Machine Dimensions	20"x16"x12"
Gross Weight (approx.)	39lbs



COMBINATION 6" BELT SANDER AND 12" DISC GRINDER

Model No. 150-1200

STAND Model No. 1512-900

- The table for the abrasive belt can be tilted 20° one way, 45° the other.
- Table for 12" disc has working surface of 7"x16-1/2" and can be tilted.

Specifications	Model No. 150-1200
Disc Diameter	12"
Motor	1PH, 1HP, 115-230V, 60HZ
Spindle Speed	3600RPM
Abrasive Belt Size	6"x48"
Table for Abrasive Belt	7-1/2x14-1/2"
Table Working Surface	7x16-1/2"



COMBINATION 6" BELT SANDER AND 9" DISC GRINDER

Model No. 150-0690

STAND Model No. 1569-900

This deluxe combination belt and disc sander can be used for vertical or horizontal finishing of both metal and wood.

This machine included a adjustable stand.

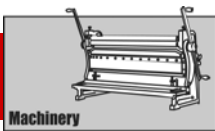
Specifications	With Stand	Without Stand
	150-0690	150-0691
Abrasive Belt Size	6"x48"	
Disc Diameter	9"	
Voltage	110V/220V	
Input Power	1/3 HP	
Motor R.P.M	3450	
Net Weight	48kg	
Gross Weight	50kg	
Packing Measure	660x440x400mm	

RABETING JOINTERS



- Fence tilts right & left 45° with positive stops at 45° & 90° .
- 8" model has steel base and magnetic control switch.

Specifications	Model No. 150-0600	Model No. 150-0700	Model No. 150-0800	Model No. 150-0400
Cutting Capacity	6"	7"	8"	4"
Max. Cutting Depth	1/4"	3/8"	3/8"	1/2"
Knives	3	3	3	3
Cutter Head Speed	4500RPM	4500RPM	4500RPM	4500RPM
Table Size	6-1/8X41-3/4"	8-1/2X42-1/2"	9X52-3/4"	5-1/8X35-1/2"
Fence Size	3-7/8"X34-7/16"	3-7/8X34-7/16"	3-7/8X34-7/16"	3-11/16X24-13/16"
Motor	1HP	2HP	2HP	1/2HP
Voltage	110V	110V	110V	110V
Weight	165lbs	215lbs	330lbs	143lbs



Machinery

WOOD LATHE



130-5093



130-5094 / 130-5095

WOOD TURNING CHISEL



130-5097
6pcs/set



130-5098
5pcs/set

Description	Model No. 130-5093	Model No. 130-5094	Model No. 130-5095
Swing over bed	8"	12"	14"
Distance between centers	12"	36"	43"
Spindle speed (rpm)	750-3200	500-2000 (50Hz) 600-2400 (60Hz)	500-2000 (50Hz) 600-2400 (60Hz)
Drive spindle	1" 8RH thread or other	1" 8RH thread or other	1" 8RH thread or other
Head and tailstock taper	MT2 or other	MT2 or other	MT2 or other
Face plate	2"	6"	6"
Tool rest	7"	12"	12"
Motor (W)	250	370/450/550	550/750
N.G.weight (kgs)	20/21	80/85	92/97
Packing size:	710x335x190	1380x330x370	1620x340x430
20'container	610 units	172 units	110 units

METAL CUTTING BANDSAW



199-5012

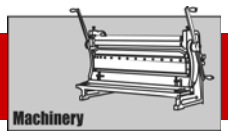


199-5018



199-5020

Description	Model No. 199-5012	Model No. 199-5018	Model No. 199-5020
Capacity 90° (Round/Rectangle)	100mm/100x150mm	180mm/180x300mm	110mm/130x100mm
Capacity 45° (Round/Rectangle)		110mm/110x180mm	65mm/85x60mm
Blade Size	1638x12.5x0.6mm	2360x20x0.9mm	1640x13x0.63
Blade Speed (m/min)	50Hz 20/29/50 60Hz 24/36/61	34/41/59/98 41/49/69/120	20/30/50
Vise Tilt	0° ~45°	0° ~45°	0° ~45°
Motor	370W	750W	550W



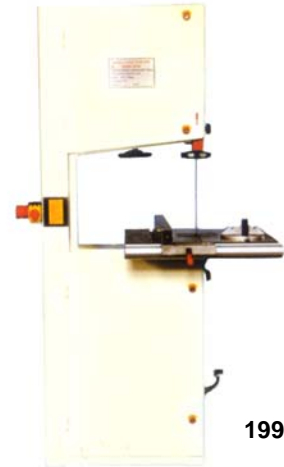
BAND SAW



199-9011



199-9018



199-9030

Model No.	199-9011	199-9018	199-9020	199-9026	199-9028	199-9030	199-9032
		With 4-leg Stand			With Carbinet Stand		
Blade size	10"	12-1/2"	14"	16"	18"	20"	27"
Table size	290x290mm	500x400mm	500x400mm	500x395mm	500x600mm	500x600mm	600x700mm
Table tilt	0° ~45° /saw tilt	0° ~45°	0° ~45°	0° ~45°	0° ~45°	0° ~45°	0° ~45°
Cutting width	245mm	300mm	335mm	375mm	445mm	475mm	660mm
Cutting depth	100mm	160mm	160mm	200mm	330mm	280mm	675mm

TABLE SAW



199-9205



199-9215



199-9210

Model No.	199-9205	199-9210	199-9215
Blade size	φ205x16x2.5mm 20T	φ254x15.9x2.8mm 40T	φ254x15.9x2.8mm 40T
Blade tilting range	0° ~45°	0° ~45°	0° ~45°
Blade ring range		0-80mm	0-80mm
Max. cutting capacity	43mm (90°) 36mm(45°)	80mm (90°) 55mm(45°)	80mm (90°) 57mm(45°)
Table size	513x400 (600)mm		685x514 (1030)mm
Exterior size	550x430x365mm	638x260mm(left/right) 430x300mm (rear)	1030x1025x1030mm

MITRE SAW



199-9321

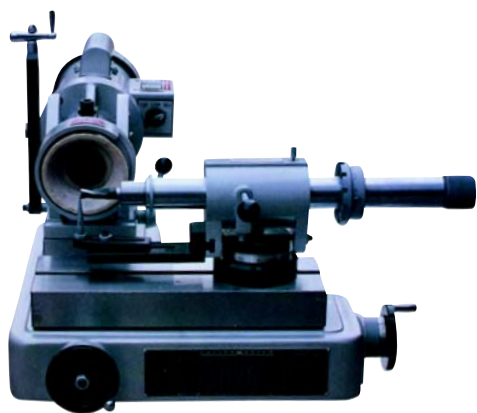


199-9325



199-9326

Model No.	199-9326				199-9321					199-9325					
Blade	φ254x15.9x2.8mm,40T				φ210x30(18)x2.8mm 24T					φ254x15.9x2.8mm 40T					
Table turning range	left 45°~Right 45°				left 45°~Right 45°					left 45° ~Right 45°					
Saw body tilting range	0°~45°				0°~45°					0°~45°					
Saw body sliding range	235mm				without					without					
	Max.cutting capacity				Max.cutting capacity					Max.cutting capacity					
Table turning angle	0°	45°(left)	45°(right)	0°	0°	45°(left/right)	0°	45°(right)	45°(left)	0°	45°(left)	45°(right)	0°	45°(right)	45°(left)
Saw body tilting angle	0°	45°	0°	45°	0°	0°	45°	45°	45°	0°	0°	0°	45°	45°	45°
Height x Width (mm)	90x305	42x215	90x215	42x305	50x120	50x85	22x120	22x90	22x85	75x130	75x90	75x90	48x120	48x98	55x85



CUTTERMASTER END MILL GRINDER

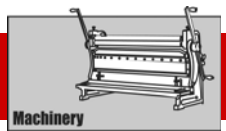
Model No. 287-6540

Specialized for grinding various End Mills, Countersinks, Taps, Drills and Machine Tools

- Simple, safe operation—anyone can learn.
- High-grade castings throughout, precision machined and fitted!
- Rapid mounting of attachments.
- Sliding motor mount for rapid setting and lock.
- Wired for 110 Volts, single-phase motor.
- Uses standard 5C Collets.
- Dovetail ways with adjustable gibs.

Specifications

Max. Grinding Dia.-----8-21/32"
 Max. Grinding Length-----9-1/4"
 Air Bearing Fixture Center Height -----4-3/4"
 Longitudinal Table Travel-----6"
 Worktable Surface Dimension
 Longitudinal-----16-1/2"x5-21/32"
 Cross-----12-29/32"x5-21/32"
 Worktable T-Slot-----1/2"x3/4"x5/16"
 Table Infeed Graduation-----0.001
 Max. Wheel-----5"x2"x1-1/4"
 Tilt Adjustment For Wheelhead-----+30° -5°
 Wheel Spindle Revolution----- 3450R.P.M.
 Air Bearing Stroke----- 9-1/4"
 Motor-----1Phase, 110V/220V
 Overall Dimensions-----24"x24-1/2"x19-3/4"



HACK SAWING MACHINE



199-5216



199-5225

- It is with a high-efficiency arc-push saw, which is more efficient than the normal sawing machine
- Electrical components are inside stalled.
- Automatic cutting process except gripping device and feeding mechanism
- With protective system
- Hydraulic transmission, making running more simply

Specification		Model No.199-5216	Model No.199-5225	Model No.199-5232	Model No.199-5240
Cutting capacity	Round bar	160mm	250mm	320mm	400mm
	Square bar	160x160mm	220x220mm	290x290mm	330x330mm
	Oblique saw		45°	45°	45°
Sawing speed (times/Min)		92	43, 50, 60, 86, 100, 120	34, 60, 84	34, 60, 84
Blade size		350x32x1.8mm	450x40x2.25mm	600x50x2.5mm	650x55x2.5mm
Motor power		370W	3220W	3440W	4340W

MORTISING MACHINE



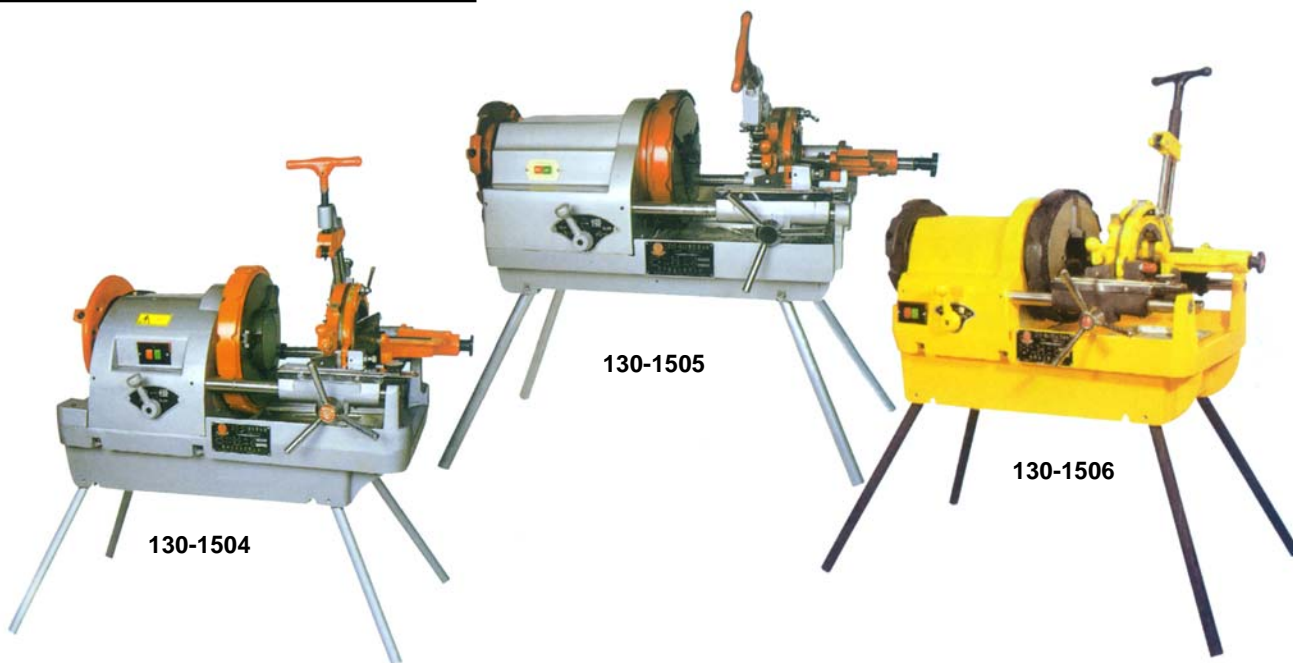
Description	Model No. 150-3840
Chisel Capacity (mm)	6-26 (1/4-1")
Max Mortising Depth (mm)	76
Max.Chisel Travel (mm)	210
Drill Chuck Capacity (mm)	3-16
Vertical Stroke (mm)	145
Lateral Stroke (mm)	170
Spindle to fence (mm)	140
Chisel to table (mm)	210
Table size (mm)	400x150
Motor (W)	750W
Spindle Speed (rpm)	50Hz
	60Hz
Packing --- Machine(mm)	560x460x820
Stand (mm)	500x400x630
G/N weight (kgs) ---Machine	113/108
	Stand
20' Container	83 units



199-5232 / 199-5240

THREAD CUT MACHINE

Model No.	Capacity	Speed	Motor Power
130-1502	1/2"~2"	28rpm	750W
130-1503	1/2"~3"	19/27rpm	750W
130-1504	1/2"~4"	8.5/24rpm	750W
130-1505	1/2"~4"	19/27rpm	750W
130-1506	2-1/2"~6"	5/17.5rpm	1100W

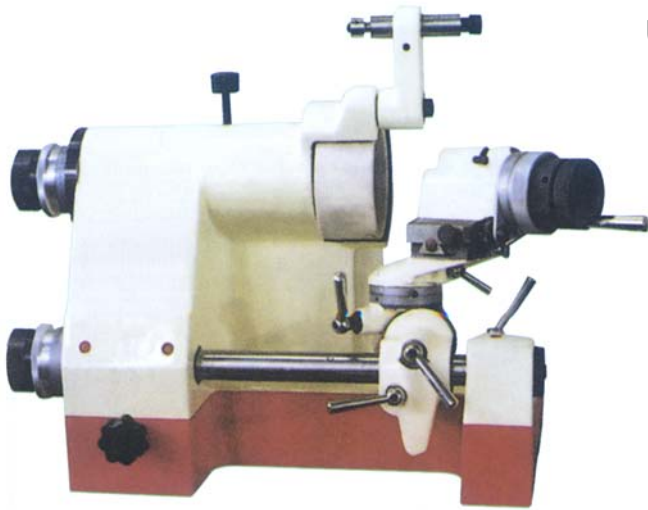
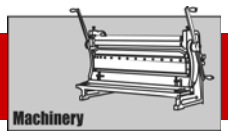


MANUAL GRINDING MACHINE

Model No.	150-5715
Table size	152x304mm(6"x12")
Max.longitudinal travel of the table	340mm(14")
Max cross travel of the table	170mm (7")
Max.grinding height	210mm (8")
T-slot (Number x Width)	1x12mm
Table cross feed per graduation	0.0254mm (0.001")
per round	2.54mm (0.1")
Grinding head vertical feed per graduation	0.0254mm (0.001")
per round	1.27mm (0.05")
Grinding wheel size	180x31.75x13mm
Grinding wheel motor power	550W



Optional Stand: Model No. 150-5700

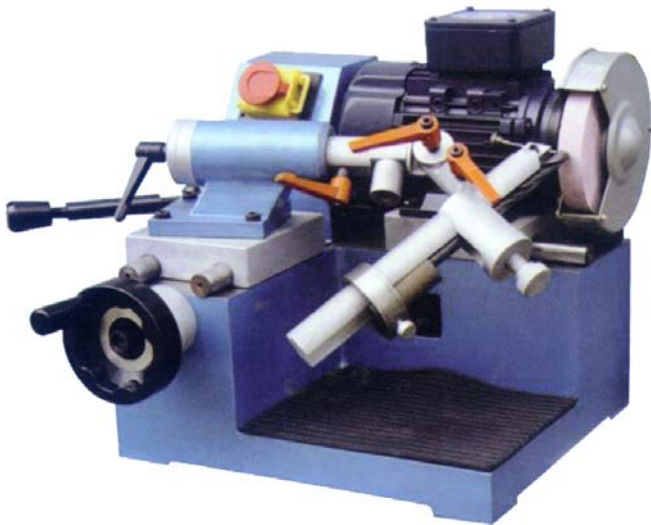


UNIVERSAL CUTTER GRINDING MACHINE

Model No.	287-6549
Grinder Wheel(Dia.xThickness)	100x50mm
Hole Diameter	20mm
Spindle speed	5200rpm
Range of collet gripping diameter	φ3~φ15mm
Longitudinal travel of cutter rest	140mm
Longitudinal micro-adjustable travel of cutter rest	18mm
Spindle grinding wheel travel	5mm
Range of cone angle grinding	0° ~180°
Range of negative cone angle grinding	0° ~52°
Range of relief angle grinding	0° ~44°
Motor	0.18kw; 110,220,124V/1ph; 220,380,420,440V/3ph
Speed	2810rpm/50Hz, 3400rpm/60Hz

DRILL GRINDING MACHINE

Suitable for all types of drills



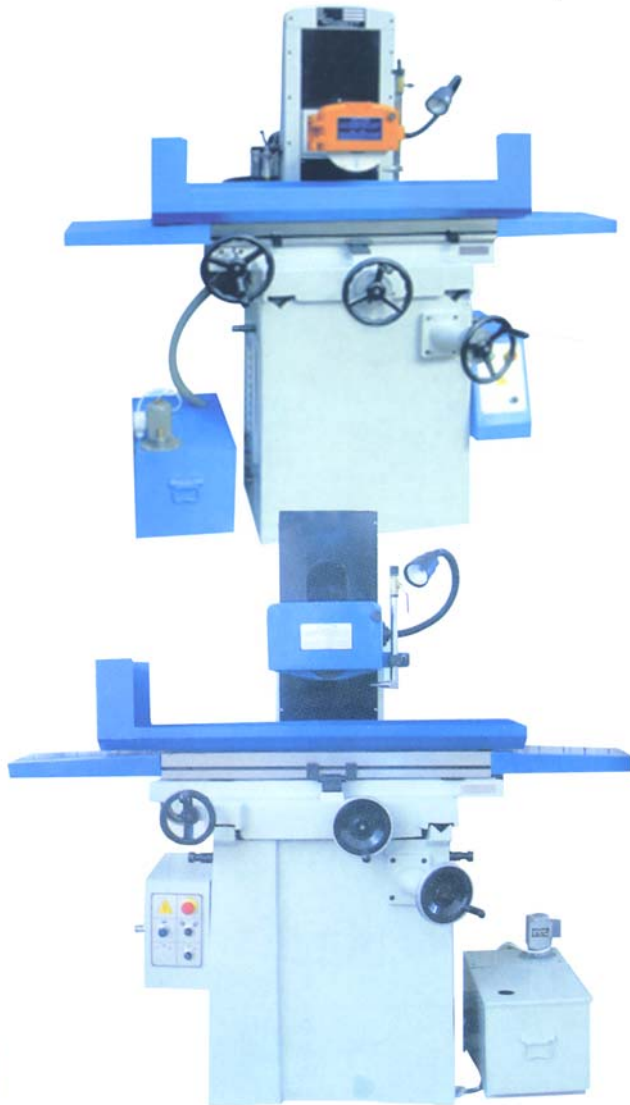
Model No.	287-6542
Range	2-22mm
Top Angle	90°, 118°, 130°, 180°
Relief Angle	0°~15°
Wheel Size	φ125x20x20mm
Speed	2800rpm
Power	180W

TOOL GRINDING MACHINE



Model No.	287-6544
Relief Angle	-15° ~20°
Top angle of the tool	0.1~10mm
Wheel Size	Wheel
Speed	2800rpm
Power	180W

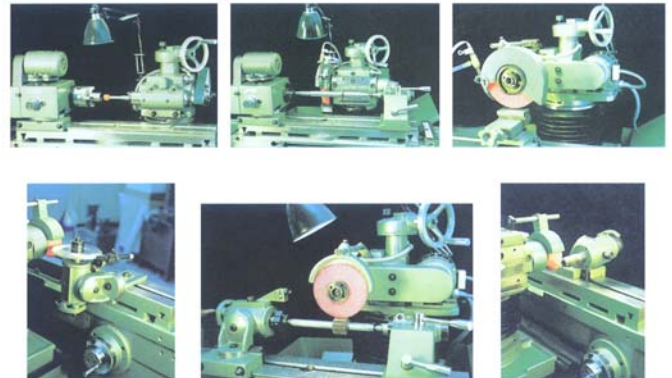
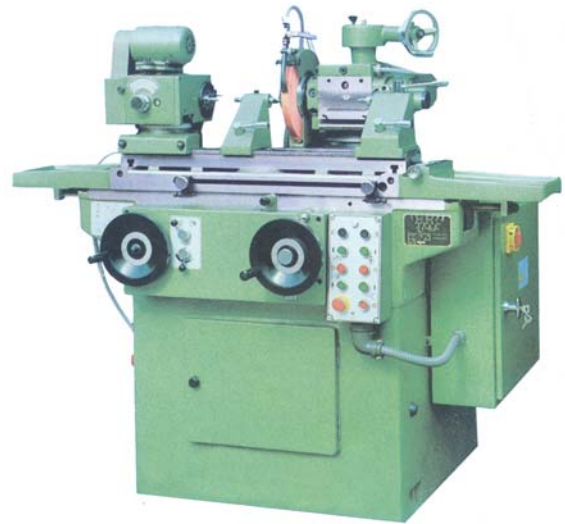
SURFACE GRINDING MACHINE



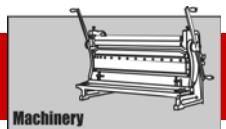
- Suit to grind surface and complexly process surface
- Can be performed without power feed
- The distance between the grinding wheel and working table has been enlarged because of the long column

Model No.	150-5618	150-5620
Work table size	457x152mm	510x200mm
Work table travel	483x178mm	520x220mm
Wheelhead vertical travel	230mm	260mm
Wheelhead spindle speeds	2850rpm	2850rpm
Grinding wheel hole size	32mm	32mm
Width of grinding wheel	13mm	20mm
Frequency	50Hz	50Hz

MULTI-USE GRINDING MACHINE



Model No.	150-9120
Max swing over bed	200mm
Max length of workpiece	500mm
Grinding surface size (LxW)	300x125
Cutter grinding size	φ200x500mm
Max weight of workpiece	10Kgs
Max travel of the wheelhead	
Slide vertical/Cross	200/200mm
Wheelhead spindle speeds	2500rpm
Internal grinding spindle speed	13500rpm
Longitudinal table travel, hand	500mm
Control table traverse speed	<7m/min
Max swivel of table	+45° ~ -30°
Motor power	2.905Kw

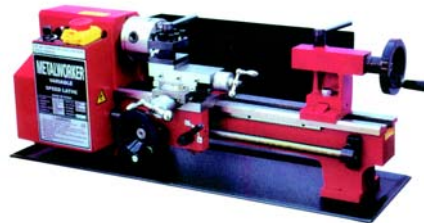


MICRO LATHE

- Standard accessories:
 - 3-jaw chuck
 - Dead center MT2, Gear set
- Optional accessories:
 - Face plate, steady rest, stand
 - Follow rest, cutter 11pcs/set



Model No.199-1514



Model No.199-1518



Model No.199-1525

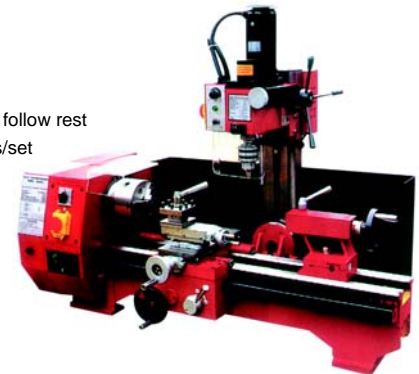
Specification	Model No.199-1514	Model No.199-1518	Model No.199-1525
Swing over bed	140mm	180mm	250mm
Distance between centers	250mm	300mm	550mm
Hole through spindle	9mm	20mm	20mm
Spindle taper	MT2	MT3	MT3
Tailstock taper	MT4	MT2	MT2
Spindle speed	100~2000rpm ±10%	Low 0~1100rpm ±10% High 0~2500rpm ±10%	125~2000rpm
Motor output power	150W	250W	550W
Range of the threads	Metric 0.5~1.25mm(5 thread pitches) or Imperial 16~24TPI(5 thread pitches)	0.4~2.0mm(10 thread pitches) 12~52TPI(8 thread pitches)	0.4~3.0(12 thread pitches) 10~44 TPI (8 thread pitches)
Weight (net/gross)	23/32kg	37/40kg	145/180kg
Packing size (LxWxH)	680x345x305mm	770x330x330mm	1200x660x600mm

MICRO MULTI-PURPOSE MACHINE

- Standard accessories:
 - 3-jaw chuck,
 - φ13mm drill chuck with taper shank
 - Dead center MT2 and MT3
 - Gear set and mill table



- Optional accessories:
 - Face plate, steady rest, follow rest
 - Foot stand, cutter 11pcs/set



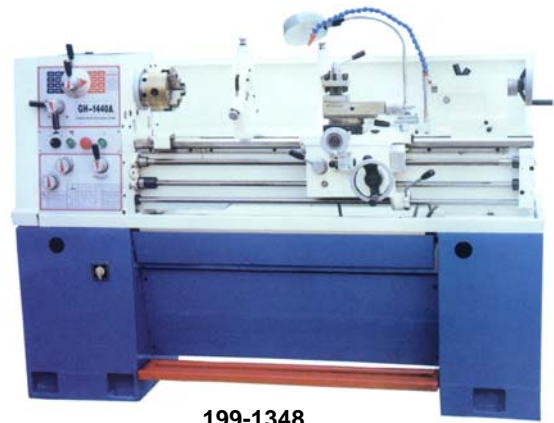
Specification	Model No.199-1714
Cutting	
Swing over bed	140mm
Distance between centers	250mm
Hole through spindle	
Spindle taper	MT2
Tailstock taper	MT1
Spindle speed	100~2000rpm ±10%
Range of the threads	Metric 0.5~1.25mm(5 thread pitches) or Imperial 16~24TPI (5 thread pitches)
Drilling and milling	
Max.drilling/milling capacity	10mm
Travel of drilling/milling spindle	30mm
Drilling/milling spindle speed	100~1500rpm ±10%
T-slot	8mm
Outpower	150W
Net/Gross weight	40/75kg
Packing size	690x430x615mm

Specification	Model No.199-1725
Cutting	
Swing over bed	250mm
Distance between centers	550mm
Hole through spindle	20mm
Spindle taper	MT3
Tailstock taper	MT2
Spindle speed	125~2000rpm
Output power	550W
Range of the threads	Metric 0.4~3.0mm(12 thread pitches) or Imperial 10~44TPI (8 thread pitches)
Drilling and milling	
Drilling capacity	13mm
End milling capacity	16mm
Face milling capacity	30mm
Drilling & milling spindle taper	MT3
Spindle speed	Low 0~1100rpm High 0~2500rpm
Output power	350W
T-slot	12mm
Spindle rotary angle	-25° ~+45°
Packing size	810x420x500mm

PRECISION HIGH SPEED SADDLE LATHE



199-1336



199-1348

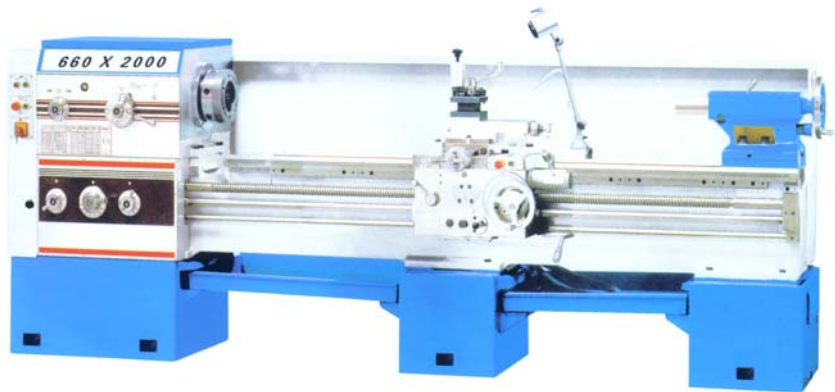
Standard Accessories

- 3-jaw chuck; Oil gun
- Reduction sleeve; Wrenches
- Centers; Coolant system

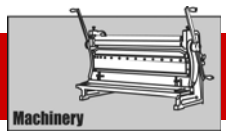
Optional Accessories

- 4-jaw chuck; Face plate
- Steady rest; Follow rest
- Diving plate

Specification	Model No.199-1336	Model No.199-1338	Model No.199-1348
Max swing over bed	310mm	330mm	356mm
Max swing over cross slide	180mm	185mm	220mm
Max swing over gap	450mm	476mm	506mm
Distance between centers	910mm	1000mm	1000mm
Spindle nose		D4 or D1-4 CAMLOCK	
Spindle bore		38mm	
Spindle speed	65-1810r.p.m (18steps)	70-2000r.p.m.(8steps)	45-1800r.p.m.(16steps)
Metric thread	0.4-7	0.4-7	0.45-7.5
Inch thread	4-60	4-56	4-112
Longitudinal feed range	0.0527-1.2912	0.082-2.71	0.043-0.635
Cross feed range	0.014-0.3448	0.022-0.933	0.015-0.220
Motor power	1.5KW	1.5KW	2.2KW



Specification	Model No.199-6250 / 1000mm	Model No. 199-6266 / 1500mm	Model No. 199-6280 / 2000mm
	Model No. 199-6255 / 1500mm	Model No. 199-6267 / 2000mm	Model No. 199-6281 / 3000mm
Max swing over bed	500mm	600mm	800mm
Max swing over cross slide	300mm	420mm	560mm
Max swing over gap	710mm	870mm	1000mm
Distance between centers	1000mm ; 1500mm	1500mm; 2000mm; 3000mm	2000mm; 3000mm
Spindle nose	NO.8 CAMLOCK	NO.8 CAMLOCK	NO.8 CAMLOCK
Spindle bore	105mm	105mm	105mm
Spindle speed	36-1600r.p.m. (12steps)	36-1600r.p.m. (12steps)	36-1600r.p.m. (12steps)
Metric thread	1-14 22kinds	1-14 22kinds	1-14 22kinds
Inch thread	2-28 25kinds	2-28 25kinds	2-28 25kinds
Longitudinal feed range	0.063-2.52 65kinds	0.063-2.52 65kinds	0.063-2.52 65kinds
Cross feed range	0.027-1.07 65kinds	0.027-1.07 65kinds	0.027-1.07 65kinds
Motor power	7.5KW	7.5KW	7.5KW



PRECISION HIGH SPEED SADDLE LATHE

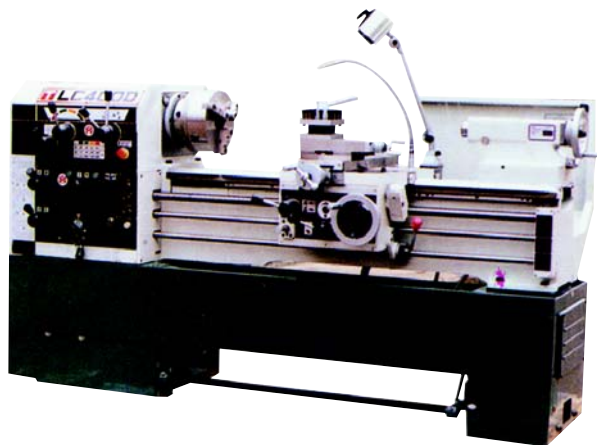


199-1340

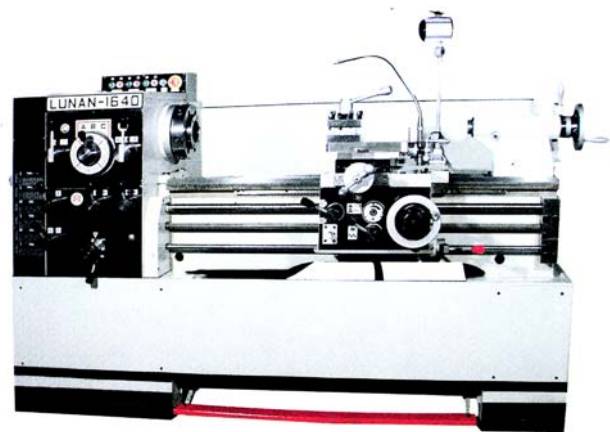


199-1300

Specification	Model No.199-1220	Model No. 199-1300	Model No. 199-1340	Model No. 199-1360
Max.Swing Over Bed	300mm (12")	300mm (12")	340mm(13-3/8")	360mm(14")
Max.Swing of Carriage	170mm(6-3/4")	170mm(6-3/4")	205mm(8")	220mm(8-4/5")
Max.Swing Over Gap	430mm(17")	430mm(17")	470mm(18-1/2")	500mm (20")
Max.Center Distance	500mm(20")	750mm(30")	1000mm(40")	1000mm (40")
Max.Actual Length of Work Piece	480mm	730mm	870mm	972mm
Spindle Speeds Rang	60~2000/50~1720r.p.m	60~2000/50~1720)r.p.m	60~2000/50~1720)r.p.m	60~2000/50~1720 r.p.m
Spindle Bore	38mm (1-1/2")	38mm(1-1/2")	38mm(1-1/2")	38mm (1-1 /2")
Metric Threads Range	0.25~9mm(20 Kinds)	0.25~9mm(20 Kinds)	0.25~9mm(20 Kinds)	0.25~9mm (20 Kinds)
Inch Threads Range	4~72 T.P.I.(33 Kinds)	4~72 T.P.I.(33 Kinds)	4~72 T.P.I.(33 Kinds)	4~72 T.P.I.(33 Kinds)
Module Threads	0.25~3.5mm(12 Kinds)	0.25~3.5mm(12 Kinds)	0.25~3.5mm(12 Kinds)	0.25~3.5mm(12 Kinds)
Diametral Pitch Threads	8~144 D.P. (18 kinds)	8~144 D.P. (18 kinds)	8~144 D.P. (18 kinds)	8~144D.P.(18 Kinds)
Power of Main Motor	1.1Kw	1.1Kw	1.1/1.5Kw	2.2Kw



199-1401



199-1660

Specification	Model No.199-1401	Model No.199-1460	Model No.199-1640	Model No. 199-1660
Max. Swing Over Bed	400mm (16")	460mm (18")	400mm (16")	400mm (16")
Max. Swing of Carriage	240mm(9-1/2")	300mm(11-4/5")	210mm (8-1/4")	210mm (8-1/4")
Max. Swing Over Gap	590mm (23")	650mm(25-3/5")	590mm (23")	590mm (23")
Max. Center Distance	1000mm (40")	1500mm (60")	1000mm (40")	1500mm (60")
Max. Actual Length of Work Piece	970mm	1400mm	970mm	1400mm
Spindle Speeds Range	26~1600rpm(12 Steps)	26~1600rpm(12 Steps)	50~2000r.p.m(12Steps)	50~2000r.p.m (12 Steps)
Spindle Bore	58mm(2-1/3")	58mm(2-1/3")	58mm(2-1/3")	58mm(2-1/3")
Metric Threads Ranges	0.5~7mm (21 Kinds)	0.5~7mm (21 Kinds)	0.5~7mm (21 Kinds)	0.5~7mm (21 Kinds)
Inch Threads Range	4~56 TPI (32 Kinds)	4~56 TPI (32 Kinds)	4~56 D.P. (32 Kinds)	4~56 D.P. (32 Kinds)
Module Threads	0.5~7mm(21 Kinds)	0.5~7mm(21 Kinds)	0.5~7mm(21 Kinds)	0.5~7mm(21 Kinds)
Diametral Pitch Threads	4~56 D.P. (32 Kinds)	4~56 D.P. (32 Kinds)	4~56D.P. (18 kinds)	4~56 D.P. (32 Kinds)
Power of Main Motor	4 Kw	5.5Kw	4Kw / 5.5Kw	4Kw / 5.5Kw

PRECISION HIGH SPEED SADDLE LATHE



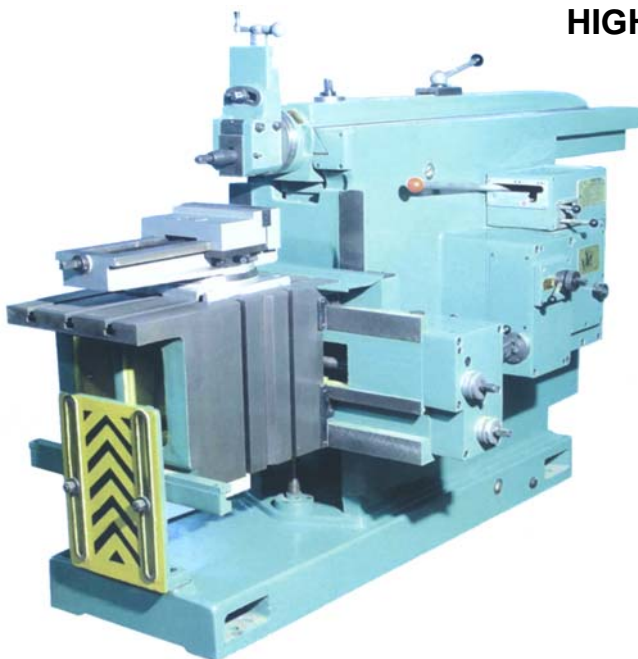
199-1641



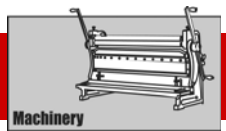
199-2080

Specification	Model No.199-1641	Model No.199-1661	Model No.199-2080	Model No. 199-2512	Model No. 199-2516
Max. Swing Over Bed	400mm(16")	400mm(16")	500mm (20")	630mm (25")	630mm (25")
Max. Swing of Carriage	210mm(8-1/4")	210mm(8-1/4")	300mm(12")	390mm(15-2/3")	390mm(15-2/3")
Max. Swing Over Gap	590mm(23")	590mm(23")	760mm (30")	830mm(32-2/3")	830mm(32-2/3")
Max. Center Distance	1000mm(40")	1500mm(60")	2000mm(80")	3000mm(120")	4000mm (160")
Max. Actual Length of Work Piece	900mm	1400mm	1800mm	2800mm	3800mm
Spindle Speeds Rang	40~1800r.p.m (12 Steps)	40~1800r.p.m (12 Steps)	37~1600r.p.m (12 Steps)	12~1000r.p.m(18 steps)	12~1000r.p.m(18 steps)
Spindle Bore	80mm(3-1/5")	80mm(3-1/5")	102mm (4")	120mm(4-2/3")	120mm(4-2/3")
Metric Threads Range	0.5~7mm(21Kinds)	0.5~7mm(21Kinds)	1~12mm(25 Kinds)	1~192mm(57 Kinds)	1~192mm(57 Kinds)
Inch Threads Range	4~56T.P.I.(32Kinds)	4~56T.P.I.(32Kinds)	2~24T.P.I.(30 Kinds)	2~24T.P.I.(30 Kinds)	2~24T.P.I.(30 Kinds)
Module Threads	0.5~7mm(21Kinds)	0.5~7mm(21Kinds)	0.25~3mm(12 Kinds)	0.25~48mm(40 Kinds)	0.25~48mm(40 Kinds)
Diametral Pitch Threads	4~56D.P.(32Kinds)	4~56D.P.(32Kinds)	7~96 D.P. (24 kinds)	1~96 D.P. (37 kinds)	1~96 D.P. (37 kinds)
Power of Main Motor	5.5Kw	5.5Kw	7.5Kw	7.5Kw	7.5Kw

HIGH SPEED HEAVY-DUTY SHAPING MACHINE



Model No.	150-6300
Max planning length	630mm
Max distance between ram bottom and worktable surface	385mm
Max horizontal travel of worktable	630mm
Max vertical travel of worktable	360mm
Worktable size	630x400mm
Travel of tool head	120mm
Number of ram strokes/Min	14,20,28,40,56,80
Range of table power feed	Horizontal 0.2~2.5mm 12 steps
	Vertical 0.08~1.00mm 12 steps
T-slot width	18mm
Motor power	3Kw



DRILLING MACHINE



125-1110



125-1115



125-1120



125-1130

Specification	No.125-1105	No.125-1110	No.125-1115	No.125-1120	No.125-1125	No.125-1130
Drilling Capacity	φ13	φ16	φ16	φ20	φ25	φ32
Spindle Travel(mm):	50	60	80	80	100	120
Spindle Taper:	MT2	MT2	MT2	MT2	MT3	MT4
Column Diameter(mm):	φ46	φ60	φ70	φ80	φ80	φ92
Distance Spindle to Column(mm):	104	126	169	190	215	250
Distance Spindle to Table(mm):	200	350	390	730	725	655
Distance Spindle to Base(mm):	290	524	640	1220	1240	1175
Table Size(mm):	160x160	200x195	φ90	300x300	330x330	425x475
Motor:	0.35kw	0.45kw	0.45kw	0.75kw	0.75kw	1.5kw

MINI RADIAL DRILLING MACHINE

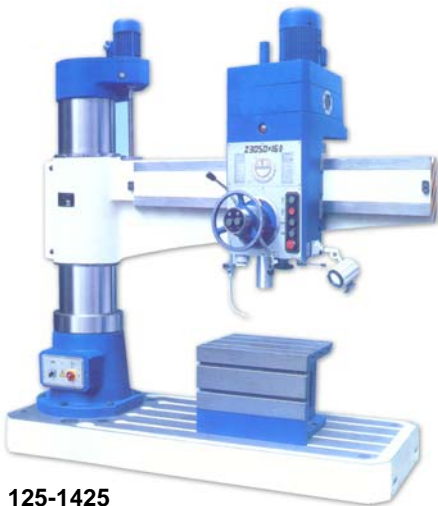


Specification	Model No.125-1402
Max.Drilling Dia	32mm
Max.Tapping Dia	20 / 16
Distance from spindle axis to column	300-700mm
Distance from spindle nose to table	275-680mm
Spindle taper	MT3
Spindle travel	150mm
Spindle speeds	100-1600r.p.m (8steps)
Spindle feeding	0.08, 0.14, 0.23mm/r
Table size	250x250x250mm
Rotary angle of rocker in horizontal plane	360°
Main motor power	750W / 1100W



125-1415

RADIAL DRILLING MACHINE



125-1425

Specification	Model No.125-1415	Model No.125-1425
Max.Drilling Dia	32mm	50mm
Distance between spindle and column	1000mm / Max. 300mm / Min.	1600mm / Max. 350mm / Min.
Distance between spindle and base	1000mm / Max. 250mm / Min.	1220mm / Max. 320mm / Min.
Spindle taper	MT4	MT5
Spindle travel	280mm	315mm
Spindle speeds	32-2500r.p.m (16steps)	25-2000r.p.m (16steps)
Spindle feeds	0.10-1.25mm/r (8steps)	0.04-3.20mm/r (16steps)
Table size	450x670mm	500x630mm
Main motor power	2.2KW	4KW

VERTICAL DRILLING MACHINE



126-5025



126-5030



126-5040

Specification	Model No.126-5025	Model No.126-5030	Model No.126-5032	Model No.126-5035	Model No.126-5040
Drilling capacity	25mm (1")	30mm (1-1/5")	32mm (1.26")	35mm (1-2/5")	40mm (1-3/5")
Tapping capacity	M20	M20	M20	M24	M27
Spindle travel	135mm (5-2/5")	135mm (5-2/5")	160mm(6-2/5")	160mm(6-2/5")	160mm(6-2/5")
Distance from spindle to column	240mm	315mm	350mm	350mm	350mm
Distance from spindle to table	830mm	685mm	850mm	640mm	635mm
Distance from spindle to base	1200mm	1195mm	1400mm	1230mm	1225mm
Spindle taper	MT3	MT3	MT4	MT4	MT4
Spindle speeds (12steps)	80-2800r.p.m	80-2800r.p.m	72-2600r.p.m	64-2280r.p.m	50-1800 (stepless)
Motor	0.85 / 1.1KW	0.85 / 1.1KW	1 / 1.5KW	1.5/2.2 KW	2 / 2.4KW

AUTO-FEEDING DRILL / MILL



125-1501

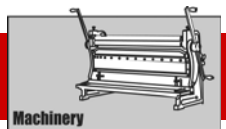


125-1502



125-1503
125-1504

Specification	Model No.125-1501	Model No.125-1502	Model No.125-1503	Model No.125-1504
Max.Drilling Dia	40mm	40mm	40mm	40mm
Max.Tapping Dia	M20 M16	M20 M16	M20 M16	M20 M16
width of face milling	80mm	80mm	80mm	80mm
Vertical milling	22mm	22mm	22mm	22mm
Dia of column	115mm	115mm	115mm	115mm
Spindle travel	110mm	110mm	110mm	110mm
Max.distance from spindle nose to worktable	745mm	450mm	745mm	745mm
Spindle taper	MT4 or R8	MT4 or R8	MT4 or R8	MT4 or R8
Spindle speeds	50-1250r.p.m (6steps)	50-1250r.p.m (6steps)	50-1250r.p.m (6steps)	50-1250r.p.m (6steps)
Spindle feeds	0.12, 0.18, 0.25m/r	0.12, 0.18, 0.25m/r	0.12, 0.18, 0.25m/r	0.12, 0.18, 0.25m/r
Worktable size	730x210mm	500x175mm	585x190mm	585x190mm
Worktable travel			370x180x515mm	370x180x515mm
Base size	635x460mm	605x400mm	635x460/690x520mm	635x460/690x520mm
Over height	1400mm	1100mm	1760/1810mm	1760/1810mm
Motor	1.1KW	1.1KW	1.1KW	1.1KW



DRILLING AND MILLING MACHINE

Optional Accessories

- Power-feed
- Digital readout (DRO)
- Coolant system
- Halogen work light
- Rotary table



Specification	Model No.199-7550	Model No.199-7552	Model No.199-7553
Max.Drilling Dia	50mm	50mm	50mm
Max.Horizontal Milling Dia.	100mm	100mm	100mm
Max.Vertical Milling Dia.	25mm	25mm	25mm
Max.Boring Dia.	120mm	120mm	120mm
Max.Tapping Dia.	M16	M16	M16
Spindle Taper	ISO30/R8	ISO30/R8	ISO30/R8
Spindle Speed	Belt / Vertical Gear/ Vertical Horizontal	230~1825rpm 8steps 115~1750rpm 8steps 60~1350rpm 8steps	115~1750rpm 8steps
Spindle travel	120mm	120mm	120mm
Table size	800x240mm	800x230mm	800x240mm
Table Travel	400x230mm	400x230mm	400x230mm
Motor Power	Vertical Horizontal	0.85/1.5Kw 2.2Kw	0.85/1.5Kw

VERTICAL TURRET MILLING MACHINE

Specification	Model No. 199-6320	Model No. 199-6321	Model No. 199-6324	Model No. 199-6325	Model No. 199-6330
Working Table	230x1067 (9"x42")	230x1246 (9"x49")	254x1270 (10"x50")	254x1370 (10"x54")	305x1270 (12"x50")
Longitudinal Travel	660(26")	838(33")	810(32")	914(36")	965(38")
Cross Travel	335(13-1/5")	335(13-1/5")	420(16-1/2")	400(15-3/4")	380(15")
Vertical Travel	350(13-4/5")	350(13-4/5")	400(15-3/4")	400(15-3/4")	360(14-1/5")
Spindle Travel	127(5")	127(5")	127(5")	127(5")	127(5")
Spindle Taper	R8	R8	R8	R8	R8
Spindle Speed					
Step Pulley	80~5440 (16 steps)	80~5440 (16 steps)	80~5440 (16 steps)	80~5440 (16 steps)	70~3600 (8~16steps)
Variable Speed	60~4200	60~4200	60~4200	60~4200	70~3600
Spindle Motor (kw)	2.25	2.25	2.25	2.25	3.75



199-6320

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HORIZONTAL & VERTICAL XYZS AUTO-FEEDING MILLING MACHINE

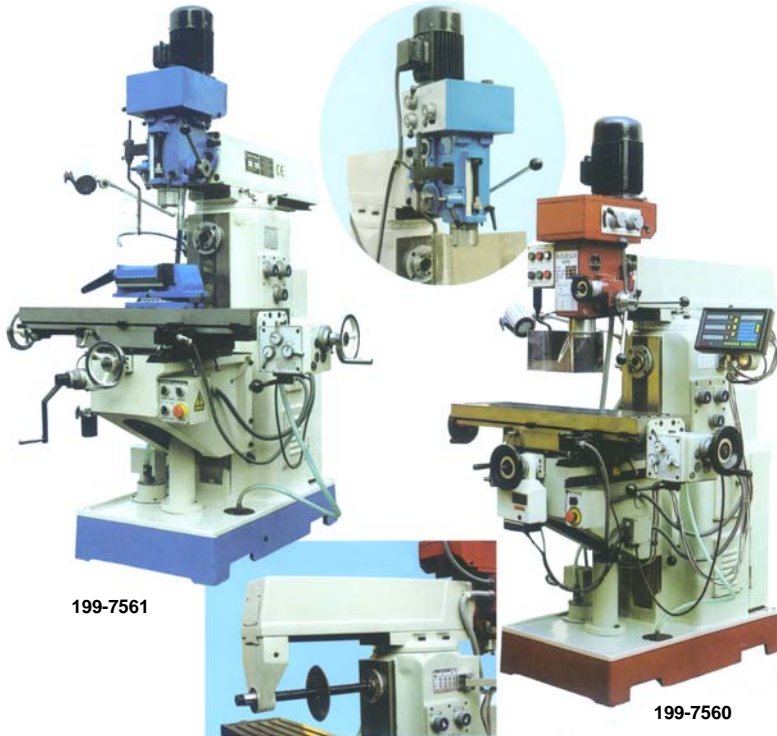


199-6332

199-6350

Specification	Model No.199-6350	Model No.199-6332
Spindle taper	ISO40	ISO40
Distance from vertical spindle nose to table	90-370mm	150-490mm
Distance from horizontal spindle nose to table	0-280mm	0-350mm
Distance from spindle to guide-way of column	200-550mm	200-550mm
Spindle speed :	Vertical Horizontal	78-69800r.p.m 20steps 60-1350r.p.m 12steps
Vertical quill travel	120mm	150mm
Feed of quill	0.08, 0.12, 0.25mm/r 3steps	0.04, 0.08, 0.13mm/r 3steps
Max.drilling Dia.	12mm(cast) 8mm(steel)	9.5mm(steel)
Table size	1250x320mm	1250x320mm
Table travel :	Horizontal Cross Vertical	600mm 300mm 350mm
Distance from spindle axis to arm	170mm	190mm
Longitudinal and cross travel	30-740mm/min 8steps 1080mm/min Rapid-feed	30-740mm/min 8steps 1080mm/min Rapid-feed
Z speed of table	560mm/min	560mm/min
T-slot of table (number-width-length)	3-14-70	3-14-70
Main motor	1.5KW (vertical) 2.2KW (horizontal)	3.7KW (vertical) 2.2KW (horizontal)
Motor for X.Y table	750W	750W
Motor for Z table	750W	750W

MULTI-PURPOSE GEARED TURRET MILLING MACHINE



199-7561

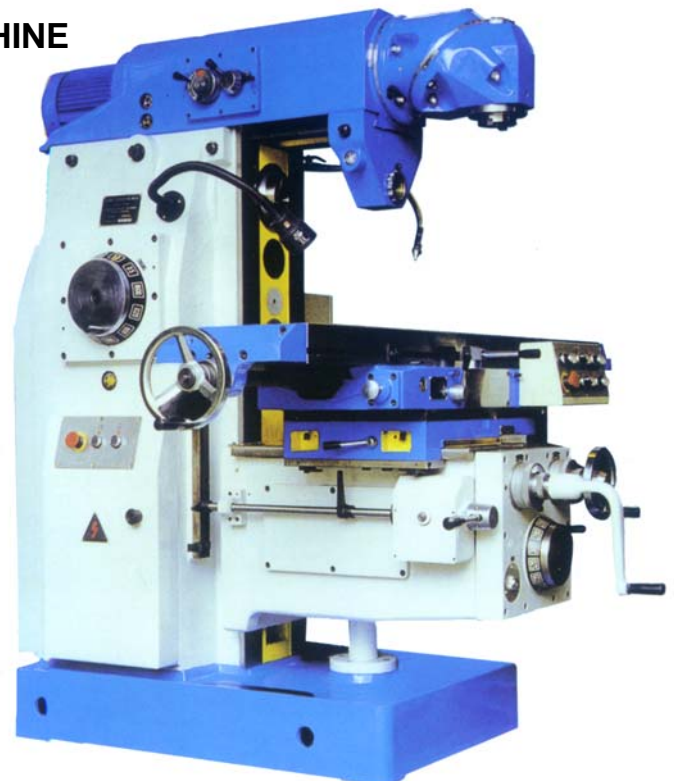
199-7560

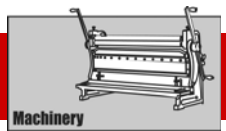
Specification		Model No.199-7560
Max.Drilling Dia.		50;30mm
Spindle Taper		MT4;R8;ISO30
Max.vertical milling Dia.		25mm
Max.boring Dia.		120mm
Max.tapping Dia.		M16
Distance from the spindle to table surface		100-480mm
Spindle speed:	Vertical	115-1750rpm 8steps
	Horizontal	40-1300rpm 12steps
Spindle travel		120mm
Auto spindle feeds		
Table travel		600x260mm
Table size		1120x280mm; 1000x280mm
Motor	Vertical	0.85Kw
	Horizontal	1.5/2.2Kw

Specification		Model No.199-7561
Max.Drilling Dia.		50;30mm
Spindle Taper		MT4;R8;ISO30;ISO40
Max.vertical milling Dia.		25mm
Max.boring Dia.		120mm
Max.tapping Dia.		M16
Distance from the spindle to table surface		140-490mm
Spindle speed:	Vertical	60-1500rpm 8steps
	Horizontal	40-1300rpm 12steps
Spindle travel		120mm
Auto spindle feeds		0.08, 0.15, 0.25mm
Table travel		600x260mm
Table size		1400x1630mm; 1000x280mm
Motor	Vertical	1.5Kw
	Horizontal	2.2Kw

HEAVY-DUTY UNIVERSAL MILLING MACHINE

Specification	Model No.199-1260
Table size	300x1500mm
Table travel :	
Horizontal	780mm
Cross	235mm
Vertical	400mm
Feeding speeds: Longitudinal,cross	12-720mm/min
Vertical	4-240mm/min
Rapid feed speeds: Longitudinal,cross	2100mm/min
Vertical	700mm/min
Number of feeds	14 steps
Number of T-slots and slot width	3x18mm
Spindle taper	7:24 No.40
Level spindle speeds	35-1600r.p.m (12steps)
Milling head spindle speeds	70-1500r.p.m (stepless)
Main motor: milling head spindle	3KW
level spindle	4KW
Feed motor	0.75KW
coolant pump	40W
Arm travel	470mm





199-6337



199-6338

Specification	Model No. 199-6337	Model No. 199-6338
Spindle Taper	7:24 ISO50	7:24 ISO50
Distance from spindle nose to table	0-400mm	0-440mm
Distance from spindle axis to arm	175mm	175mm
Spindle speed	60-1700r.p.m 12 steps	60-1700r.p.m 12 steps
Table size	1250x360mm	1220x360mm
Table travel	Horizontal	600mm
	Cross	320mm
	Vertical	400mm
Arm travel	500mm	500mm
Longitudinal and cross travel	30-740mm/min 8steps	24-720mm/min 8steps
	1080mm/min	1080mm/min
	Z speed of table	590mm/min
T-slot of table (number-width-length)	3-18-80	3-14-95
Main motor	4KW	4KW
Motor for X.Y table	750W	Optional:X.Y power speed
Motor for Z table	750W	

MILLING MACHINE WITH SLOTTING HEAD



- Hardened guideways
- 7:24/40 standard spindle
- Hand lubricate system
- X,Y axis auto feeding
- Z axis to feeding be available at extra cost

SPECIFICATION		Model No.199-6305	
Table size(mm)		1270x260	
Table travel(mm)		700x280	
Overall dimensions(mm)		1655x1650x2300	
Spindle	Table (mm)	NT30 R8 NT40	
	Drilling dia(mm)	15	
	Quill travel(mm)	127	
Spindle speeds	Low(r/min)	801,135,210,325,660, 1110,1750,2720	
	High(r/min)	160,270,420,650,1320, 2220,3500,5400	
Main parts of size	Distance from spindle to table surface(mm)	100-490	
	Dirll press head swivels	Left Right	±90°
		Before Behind	±45°
Main	Voltage	380V	
	Frequency	50HZ	
	Motor	3HP	