



PARMO MACHINES PVT. LTD.

Better in
your business



Mfg.: All Types of Industrial Machines

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Note : As improvement are made time to time. The specifications are subject to change without notice and are not binding on us



Heavy Duty Lathe



Admit Between Centers

Size	MAX	MAX-1	MAX-2	MAX-3	MAX-4
1000	1000	1000	1000	800	
1600	1600	1600	1600	1400	
1900	1900	1900	1900	1700	
2500	2500	2500	2500	2300	
3100	3100	3100	3100	2900	
3700	3700	3700	3700	3500	
4300	4300	4300	4300	4100	
-	-	4900	4900	4700	
-	-	5500	5500	5300	
-	-	6100	6100	5900	

- High Tensile Casting
- Latest Design Head Stock
- Hardened & Ground Bed & Spindle

Stand. Accessories : Chuck Plate • Gear Set • Centre Adaptor
Dead Centres • Dial Indicator • Square Tool Post • Tool Post Key

Optional Accessories : Steady Rest • Follow Rest
Face Plate • Electrical Fittings • True Chuck & Dog Chuck
Quick Change Tools Post • Tapper Turning Attachment • Coolant Pump with Tank & Fittings • Machine Lamp • Rear Tool Post • Norton Gear Box

Model	MAX	MAX-1	MAX-2	MAX-3	MAX-4
Capacity					
Height of Centre	250 mm	300 mm	300 mm	375 mm	450 mm
Width of bed	325 mm	325 mm	375 mm	375 mm	450 mm
Max. Swing over bed	500 mm	600 mm	600 mm	750 mm	900 mm
Max. Swing over Slide	300 mm	400 mm	400 mm	550 mm	700 mm
Max. Swing in Gap	775 mm	900 mm	900 mm	1050 mm	1200 mm
Spindle					
Spindle Bore	52 mm	80 mm	80 mm	80 mm	100 mm
Spindle Nose	6 TPI	6 TPI	6 TPI	6 TPI	6 TPI
Speed - 8 - R.P.M.	30 to 500	30 to 500	30 to 500	30 to 500	30 to 500
Travel					
Cross Slide	270 mm	335 mm	335 mm	380 mm	460 mm
Top Slide	150 mm	150 mm	150 mm	150 mm	175 mm
Other					
Lead Screw TPI	4 TPI	4 TPI	4 TPI	4 TPI	4 TPI
Tail Stock Sleeve	MT-4	MT-4	MT-4	MT-4	MT-4
Power Required	3 H.P.	3 H.P.	3 H.P.	5 H.P.	5 H.P.

Heavy Duty Lathe

Gear Box with Lead Screw & Feed Shaft Separate

Model	YBX	YBX-1	YBX-2	YBX-3
Capacity				
Centre Height	240	300	300	375
Bed Width	325	325	375	375
Max. Swing				
Over bed	480	600	600	750
Over Slide	280	400	400	550
in Gap	780	900	900	1050
Spindle				
Bore	52	80	80	80
Nose	6 TPI	6 TPI	6 TPI	6 TPI
Speed - 8 -		30 to 600		
Travel				
Cross Slide	270	335	335	380
Top Slide	150	150	150	150
Other				
Lead Screw	4 TPI	4 TPI	4 TPI	4 TPI
Tail Stock Sleeve	MT-4	MT-4	MT-4	MT-4
Power Required	3 H.P.	3 H.P.	3 H.P.	5 H.P.

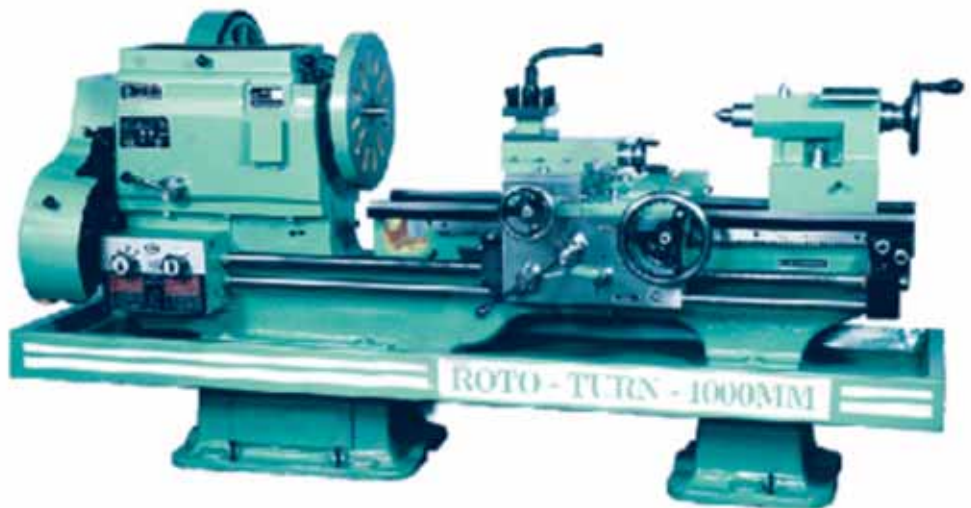
Admit Between Centers

Size	YBX	YBX-1	YBX-2	YBX-3
7'	1000	1000	1000	1000
9'	1600	1600	1600	1600
10'	1900	1900	1900	1900
12'	2500	2500	2500	2500
14'	3100	3100	3100	3100
16'	3700	3700	3700	3700
18'	4300	4300	4300	4300
20'	-	-	4900	4900
22'	-	-	5500	5500
24'	-	-	6100	6100

- High Tensile Casting
- Latest Design Head Stock
- Hardened & Ground Bed & Spindle

Stand. Accessories : Chuck Plate • Gear Set • Centre Adaptor • Dead Centres • Dial Indicator
Square Tool Post • Tool Post Key

Optional Accessories : Steady Rest • Follow Rest • Face Plate • Electrical Fittings
True Chuck & Dog Chuck • Quick Change Tools Post • Tapper Turning Attachment
Coolant Pump with Tank & Fittings • Machine Lamp • Rear Tool Post • Norton Gear Box





Extra Heavy Duty Lathe

Admit Between Centers

Size	CD-4	CD-5	CD-6	CD-7
9'	1450	1450	1350	1250
10'	1750	1750	1650	1550
12'	2350	2350	2250	2250
14'	2950	2950	2850	2750
16'	3550	3550	3450	3350
18'	4150	4150	4050	3950
20'	4750	4750	4650	4550
22'	5350	5350	5250	5150
24'	5950	5950	5950	5950
30'	6500	6500	6500	6500

- Hight Tensile Casting
- Latest Design Head Stock
- Hardened & Ground Bed & Spindle

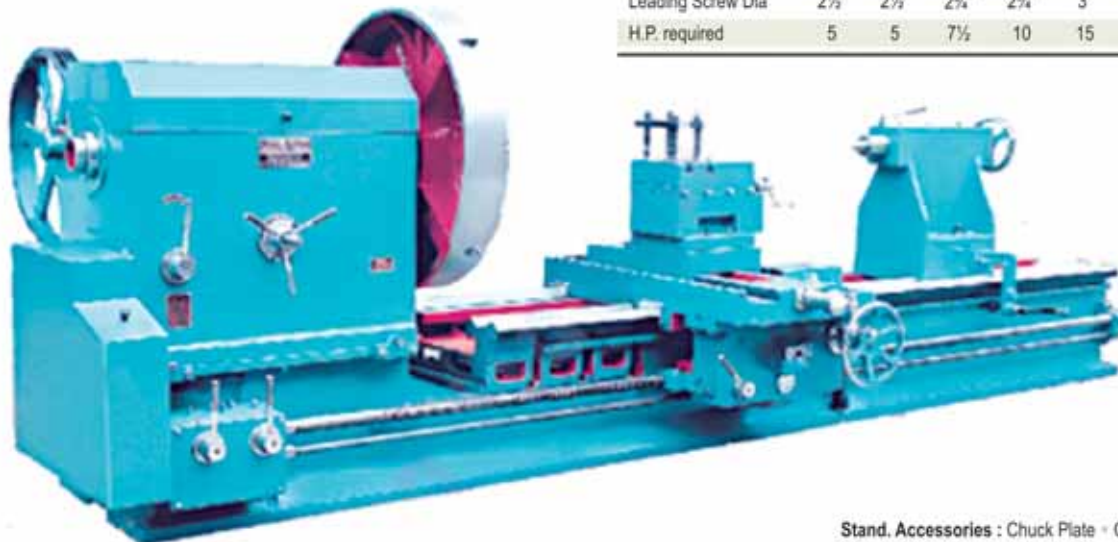
Stand. Accessories : Chuck Plate • Gear Set • Centre Adaptor
Dead Centres • Dial Indicator • Square Tool Post • Tool Post Key

Optional Accessories : Steady Rest • Follow Rest • Face Plate • Electrical Fittings
True Chuck & Dog Chuck • Quick Change Tools Post • Tapper Turning Attachment
Coolant Pump with Tank & Fittings • Machine Lamp • Rear Tool Post • Norton Gear Box

Model	CD-4	CD-5	CD-6	CD-7
Capacity				
Centre Height	500	550	600	750
Bed Width	500	550	600	750
Max. Swing				
Over bed	1000	1100	1200	1500
Over Slide	700	800	900	1200
in Gap	1280	1360	1450	1750
Spindle				
Bore	100	100	125	125
Nose	6 TPI	6 TPI	6 TPI	6 TPI
Speed - 8 -	30 to 500			
Travel				
Cross Slide	500	500	500	500
Top Slide	250	250	250	250
Other				
Lead Screw TPI	2 TPI	2 TPI	2 TPI	2 TPI
Tail Stock Sleeve	MT-5	MT-5	MT-5	MT-5
Power Required	7.5 H.P.	7.5 H.P.	10 H.P.	10 H.P.

Extra Heavy Duty Roll Turning Lathe

Model	RL55	RL60	RL65	RL70	RL75	RL85	RL95	RL115
Bed Length Ft.	16'	18'	20'	22'	24'	30'	36'	40'
Width of Bed (mm)	600	650	700	750	800	900	1000	1200
Height of Centre (mm)	550	600	650	700	750	850	950	1150
Spindle Bore	4"	4"	4"	4"	4"	4"	4"	4"
Swing in Gap (mm)	1700	1800	1900	2000	2100	2300	2500	2650
Swing over Bed	1100	1200	1300	1400	1500	1700	1900	2300
No. of Spindle Speed	6	6	6	6	6	6	6	6
Admit between centre	3450	3750	4350	4950	5550	7350	8850	10050
Leading Screw Dia	2½"	2½"	2½"	2½"	3"	3"	3½"	4½"
H.P. required	5	5	7½	10	15	20	25	25



Stand. Accessories : Chuck Plate • Gear Set • Centre Adaptor
Dead Centres • Dial Indicator • Square Tool Post • Tool Post Key
Steady Rest • Follow Rest • Face Plate



Light Duty Lathe



	Standard	Deluxe
Model	LD 165	LD 175
Height of Centre (mm)	165mm	175mm
Width of Bed (mm)	238mm	238mm
Max Swing Over Bed (mm)	330mm	350mm
Max. Swing Over Slide (mm)	180mm	200mm
Spindle Bore	40mm	40mm
Spindle Nose	8 TPI	8 TPI
Spindle Speed 8 (RPM)	35-825	35-825
Cross Slide Travel	225mm	225mm
Lead Screw TPI	4 TPI	4 TPI
Tail Stock Sleeve	MT-3	MT-3
Power Required	1 H.P.	1 H.P.

Stand. Accessories : Chuck Plate - Gear Set
Centre Adaptor - Dead Centres - Dial Indicator
Square Tool Post - Tool Post Key

Optional Accessories : Steady Rest - Follow Rest
Face Plate - Electrical Fittings - True Chuck & Dog Chuck
Quick Change Tools Post - Tapper Turning Attachment
Coolant Pump with Tank & Fittings - Machine Lamp
Rear Tool Post - Norton Gear Box

- Hight Tensile Casting
- Latest Design Head Stock
- Hardened & Ground Bed & Spindle

Admit Between Centers

Length	A. B. C.
4.6"	650
5.3"	875
6'.0"	1050

Medium Duty Lathe

Double V-Belt Drive

Model	MD 212
Height of Centre (mm)	212 mm
Width of Bed (mm)	280 mm
Max Swing Over Bed (mm)	410 mm
Max. Swing Over Slide (mm)	240 mm
Spindle Bore	52 mm
Spindle Nose	6 TPI
Spindle Speed 6 (RPM)	40 to 550
Cross Slide Travel	240 mm
Lead Screw TPI	4 TPI
Tail Stock Sleeve	MT-4
Power Required	2 H.P.



Knob Type Oil Bath Norton Gear Box



Plunger Type Norton Gear Box

Stand. Accessories : Chuck Plate - Gear Set
Centre Adaptor - Dead Centres - Dial Indicator
Square Tool Post - Tool Post Key

Optional Accessories : Steady Rest - Follow Rest
Face Plate - Electrical Fittings - True Chuck & Dog Chuck
Quick Change Tools Post - Tapper Turning Attachment
Coolant Pump with Tank & Fittings - Machine Lamp
Rear Tool Post - Norton Gear Box

Admit Between Centers

Length	A. B. C.
4.6"	500
5.3"	725
6'.0"	950

- Hight Tensile Casting
- Latest Design Head Stock
- Hardened & Ground Bed & Spindle



Standard Model



Super Model



Admit Between Centers

Length	A. B. C.
4.6'	500
5.3'	725
6'.0"	950

- Hight Tensile Casting
- Latest Design Head Stock
- Hardened & Ground Bed & Spindle

Medium Duty Lathe

Double V-Belt Drive

Norton Gear Box with Lead Screw & Feed Shaft Separate

Model	MD 212
Height of Centre (mm)	212 mm
Width of Bed (mm)	280 mm
Max Swing Over Bed (mm)	410 mm
Max. Swing Over Slide (mm)	240 mm
Spindle Bore	52 mm
Spindle Nose	6 TPI
Spindle Speed 6 (RPM)	40 to 550
Cross Slide Travel	240 mm
Lead Screw TPI	4 TPI
Tail Stock Sleeve	MT-4
Power Required	2 H.P.

Stand. Accessories : Chuck Plate • Gear Set
Centre Adaptor • Dead Centres • Dial Indicator
Square Tool Post • Tool Post Key

Optional Accessories : Steady Rest • Follow Rest
Face Plate • Electrical Fittings • True Chuck & Dog Chuck
Quick Change Tools Post • Tapper Turning Attachment
Coolant Pump with Tank & Fittings • Machine Lamp
Rear Tool Post • Norton Gear Box

Medium Duty Lathe

Double V-Belt Drive

Gear Box with Lead Screw & Feed Shaft Separate

Model	RA
Capacity	
Height of Centre	215 mm
Width of Bed	280 mm
Max Swing Over Bed	430 mm
Max. Swing Over Slide	230 mm
Spindle	
Spindle Bore	50 mm
Spindle Nose	6 TPI
Speed 6 (RPM)	50 to 775
Travel	
Cross Slide	210 mm
Top Slide	125 mm
Other	
Lead Screw TPI	4 TPI
Tail Stock Sleeve	MT-4
Power Required	2 H.P.



Admit Between Centers

Length	RA
4'.9"	500mm
5'.9"	850mm

- Hight Tensile Casting
- Latest Design Head Stock
- Hardened & Ground Bed & Spindle



Light Duty All Geared Lathe



Gear Box with Lead Screw
& Feed Shaft Separate

Model	MD 212
Height of Centre (mm)	212 mm
Swing Over Bed	280 mm
Swing Over Slide	410 mm
Width of Bed	240 mm
Bore	52 mm
Nose	6 TPI
Speed No. 8 RPM	40 to 550
Cross Slide	240 mm
Top Slide	4 TPI
Quill Dia / Travel	MT-4
Lead Screw TPI	2 H.P.
Tail Stock Sleeve MT.	
Main Motor (H.P.)	

Bed Length	A. B. C.
4.5'	600 mm
5'	750 mm

Stand. Accessories : Chuck Plate • Gear Set • Centre Adaptor
Dead Centres • Dial Indicator • Square Tool Post • Tool Post Key

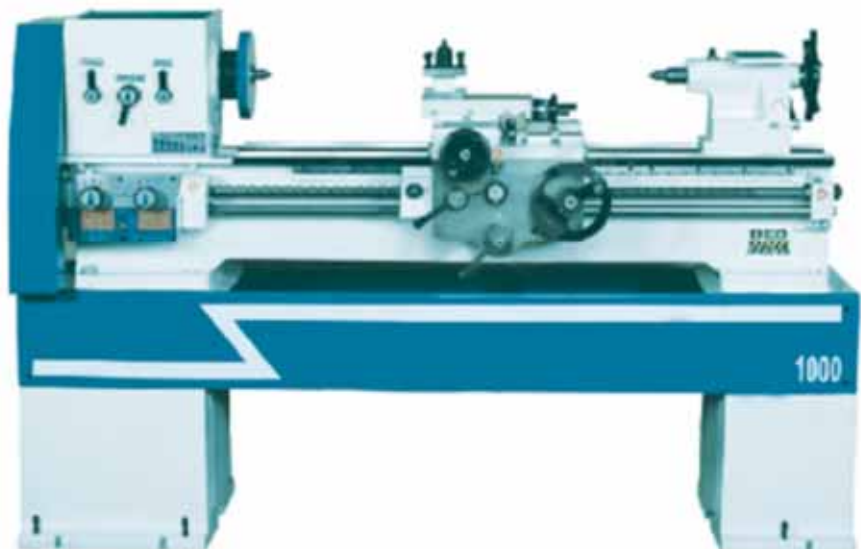
Optional Accessories : Steady Rest • Follow Rest • Face Plate
Electrical Fittings • True Chuck & Dog Chuck • Quick Change Tools Post
Tapper Turning Attachment • Coolant Pump with Tank & Fittings
Machine Lamp • Rear Tool Post • Norton Gear Box

- High Tensile Casting
- Latest Design Head Stock
- Hardened & Ground Bed & Spindle

All-Geared Lathe

Gear Box with Lead Screw
& Feed Shaft Separate

Model	PRH-175	PRH-200
CAPACITY		
Height of Centre	175	200
Swing Over Bed	350	400
Swing Over Slide	190	240
Width of Bed	242	280
SPINDLE		
Bore	40	51
Nose	Loo Type	Loo Type
Speed No. 8 RPM	48 to 1535	48 to 1535
TRAVEL		
Cross Slide	180	210
Top Slide	125	125
Quill Dia / Travel	50 / 125	50 / 125
OTHER		
Lead Screw TPI	4	4
Tail Stock Sleeve MT.	3	3
Main Motor (H.P.)	2	2



Bed Length	A. B. C.
6'	1000mm
7'	1200mm

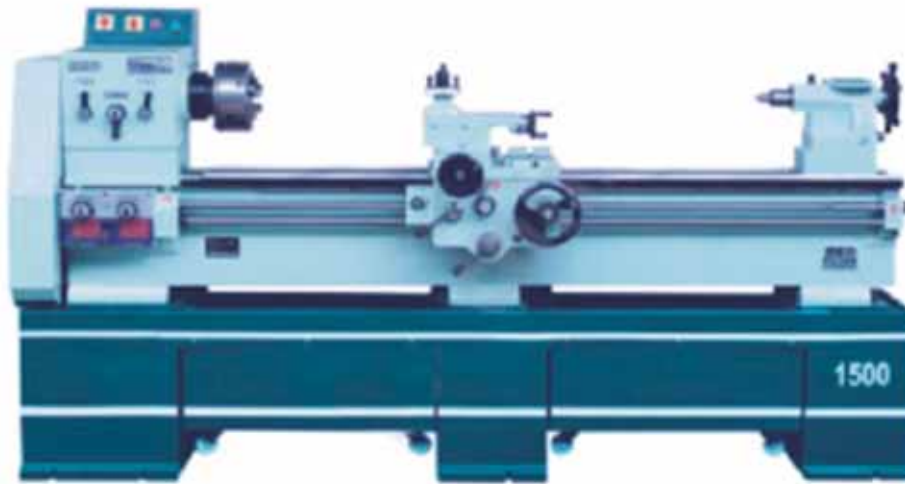
Stand. Accessories : Chuck Plate • Gear Set • Centre Adaptor
Dead Centres • Dial Indicator • Square Tool Post • Tool Post Key

Optional Accessories : Steady Rest • Follow Rest • Face Plate
Electrical Fittings • True Chuck & Dog Chuck • Quick Change Tools Post
Tapper Turning Attachment • Coolant Pump with Tank & Fittings
Machine Lamp • Rear Tool Post • Norton Gear Box

- High Tensile Casting
- Latest Design Head Stock
- Hardened & Ground Bed & Spindle



All Geared Lathe



Gear Box with Lead Screw
& Feed Shaft Separate

Model	PRH - 215
Height of Centre	215
Swing Over Bed	430
Swing Over Slide	270
Width of Bed	280
Bore	50
Nose	LOO-Type
Speed No.8 RPM	60 to 1025
Cross Slide	220
Top Slide	130
Quil Dia / Travel	50/125
Lead Screw TPI.	4
Tall Stock Sleeve MT.	3
Main Motor (H.P.)	2.25 kw

Bed Length	A. B. C.
6'	1000 mm
8'	1500 mm

Stand. Accessories : Chuck Plate • Gear Set
Centre Adaptor • Dead Centres • Dial Indicator
Square Tool Post • Tool Post Key

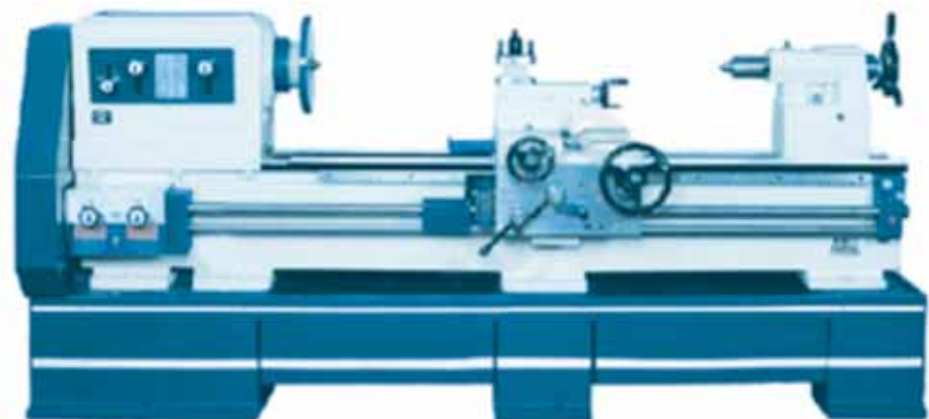
Optional Accessories : Steady Rest • Follow Rest
Face Plate • Electrical Fittings • True Chuck & Dog Chuck
Quick Change Tools Post • Tapper Turning Attachment
Coolant Pump with Tank & Fittings • Machine Lamp
Rear Tool Post • Norton Gear Box

- High Tensile Casting
- Latest Design Head Stock
- Hardened & Ground Bed & Spindle

All Geared Lathe

Gear Box with Lead Screw &
Feed Shaft Separate

Model	PRH-250	PRH-300
CAPACITY		
Height of Centre	250	300
Swing Over Bed	480	600
Swing Over Slide	275	390
Width of Bed	325	375
SPINDLE		
Bore	50	80
Nose	Loo Type	Loo Type
Speed No. 8 (RPM)	30 to 1550	30 to 1550 (16)
TRAVEL		
Cross Slide	260	325
Top Slide	150	150
Sleeve	170	150
OTHER		
Lead Screw TPI	4	4
Tail Stock Sleeve MT.	4	4
Main Motor (H.P.)	3	5



Admit Between Centers

Bed Length	A.B.C	Bed Length	A.B.C
7'	1000mm	12'	2500mm
9'	1600mm	14'	3100mm
10'	1900mm		

- High Tensile Casting
- Latest Design Head Stock
- Hardened & Ground Bed & Spindle

Stand. Accessories : Chuck Plate • Gear Set • Centre Adaptor
Dead Centres • Dial Indicator • Square Tool Post • Tool Post Key

Optional Accessories : Steady Rest • Follow Rest • Face Plate
Electrical Fittings • True Chuck & Dog Chuck • Quick Change Tools Post
Tapper Turning Attachment • Coolant Pump with Tank & Fittings
Machine Lamp • Rear Tool Post • Norton Gear Box



High Precision Pillar Drilling Machine

All Parts finished on Imported Machines

Closed grain Cast Iron Column,
Arm, Work Head & Gears

EN Forged Steel Main Spindle & Pinion

Alloy Steel Spindle Ram

Parts Finished on Imported Grinding M/c.
All Moving Parts finished to Close Tolerance.

Parts Properly balanced prior assembly.
Main Gear & Pulley



Cap. - 20

Cap. - 25

Cap. - 25

Model	BMT-13	BMT-20	BMT-25	BMTL-25
Drilling Capacity	13 mm	20 mm	25 mm	25 mm
Pillar Dia.	47 mm	750 mm	90 mm	90 mm
Spindle Nose	Solid	MT-2	MT-3	MT-3
Spindle Travel	75 mm	125 mm	152 mm	250 mm
Spindle Center to				
Pillar Surface	155 mm	200 mm	228 mm	250 mm
No. of Spindle Speed	4	8	8	8
Spindle Speed (RPM)	500-2800	87-3200	96-2600	70-2000
Base to Spindle Nose	445 mm	925 mm	980 mm	1000 mm
Electric Motor	0.5 H.P.	1 H.P.	1 H.P.	1 H.P.

High Precision Pillar Drilling Machine

Closed grain Cast Iron Column,
Arm, Work Head & Gears

EN Forged Steel Main Spindle & Pinion

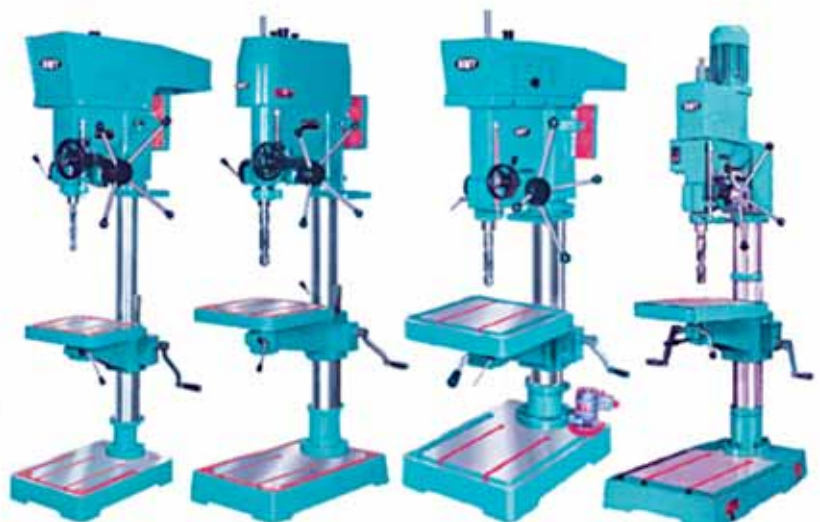
Alloy Steel Spindle Ram

Parts Finished on Imported Grinding M/c.
All Moving Parts finished to Close Tolerance.

Parts Properly balanced prior assembly.
Main Gear & Pulley

All Parts Finished on Imported Machines

Model	BMT-38	BMTL-38	BMT-40H	BMT-40A
Drilling Capacity	38 mm	38 mm	40 mm	40 mm
Pillar Dia.	170 mm	111 mm	130 mm	130 mm
Spindle Nose	MT-4	MT-4	MT-4	MT-4
Spindle Travel	165 mm	250 mm	215 mm	220 mm
Spindle Center to	250 mm	320 mm	305 mm	305 mm
Pillar Surface				
No. of Spindle Speed	8	8	8	8
Spindle Speed (RPM)	70-2000	70-2000	70-2070	90-1000
Base to Spindle Nose	1075 mm	1000 mm	1040 mm	1040 mm
Electric Motor	1.5 H.P.	1.5 H.P.	1.5 H.P.	2 Speed 1.75/2.5 H.P.



Cap. - 38

Cap. - 38

Cap. - 40H
Cap. - 40HA

Cap. - 40A
All Geared

High Precision Radial Drilling Machine



All Parts finished on Imported Machines

Closed grain Cast Iron Column,
Arm, Work Head & Gears

EN Forged Steel Main Spindle & Pinion

Alloy Steel Spindle Ram

Parts Finished on Imported Grinding M/c.
All Moving Parts finished to Close Tolerance.

Parts Properly balanced prior assembly.
Main Gear & Pulley

Model	Fine Feed	Fine Feed	Auto Feed
	BR-25	BR-40	BR-40 BA
Drilling Capacity	25 mm	40 mm	40 mm
Pillar Dia.	127 mm	170 mm	170 mm
Spindle Nose	MT-3	MT-4	MT-4
Dist. From Spindle to Pillar Surface	620 mm	825 mm	810 mm
Spindle Travel	200 mm	250 mm	250 mm
No. of Spindle Spd	8	8	8
Spindle Spd (RPM)	110-2880	70-2000	70-2000
Base to Spindle Nose	810 mm	950 mm	930 mm
Drilling Motor	1 & 0.5 H.P.	1.5 & 0.5 H.P.	1.5 & 0.5 H.P.

Auto Feed 0.04 to 0.08

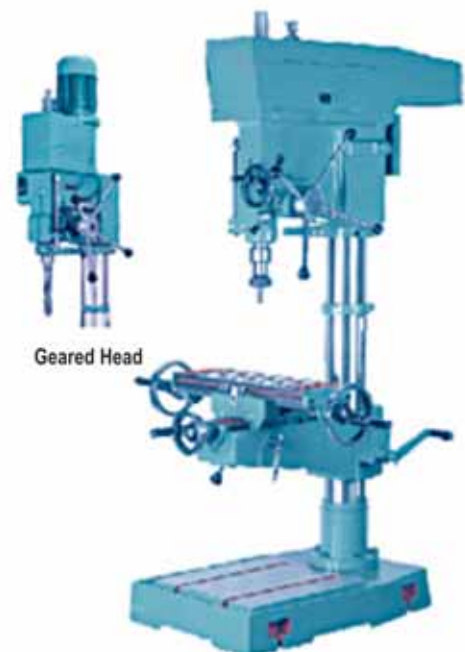
Drilling Cum Milling Machine

Model	SI-6DMU	SI-3M
Drilling Capacity in C.I.	40 mm	40 mm
Drilling Capacity in M.S.	35 mm	35 mm
Face Mill in C.I.	100 mm	100 mm
End Mill in C.I.	25 mm	25 mm
Tapping in C.I.	22 mm	22 mm
Column Diameter	114 mm	130 mm
Swing	560 mm	610 mm
Working Surface	725 x 224 mm	435 x 200 mm
Longitudinal Travel Manual	340 mm	325 mm
Cross Travel	305 mm	250 mm
Vertical Travel	830 mm	400 mm
Quill Travel	170 mm	220 mm
Spindle Taper	MT-4	MT-4
Spindle Spd No / RPM	8 (75 to 2070)	8 (75 to 2070)
Dist. Spindle to Base	830 mm	940 mm
Main Electrical Motor	1.5 H.P.	1.5 H.P.
V-Belt Section	B-58.	B-62

Note : Auto Feed & All Geared Model Also available



Model : 6DMU



Model : 3M



All Geared Auto Feed

All Geared Radial Drilling Machine

Closed grain cast Iron Column, Arm, Work, Head & Gears

EN Forged Steel Main Spindle & Pinion

Alloy Steel Spindle Ram

Parts Finished on Imported Grinding M/c.
All Moving Parts Finished to Close Tolerance.

Parts Properly balanced prior assembly.
Main Gear & Pulley

Model	DR40AA	Model	BR40AA
Drilling in M.S.	40	Max / Min Dist. Spindle	900 / 400
Drilling in C.I.	45	Centre to column	
Tapping in M.S.	25	Max. Drilling Radius	990
Boring in M.S.	75	Machine Measuremnt	1200x780x2100
Spindle Hole Taper	MT-4	Diametr of Column	180
Spindle Travel	250	Work Table	300 x 300 x 385
Spindle Speds (RPMx Steps)	88-1404 x 9	Drill Head Motor (HP / RPM)	1.5 / 1440
Diameter of RAM	78	Elevating Motor (HP / RPM)	1 / 1440
Spindle Autofed Ranges	0.05 & 0.09		
Max / Min Dist. Spindle	950 / 250		
Nose to base			

All Geared Radial Drilling Machine

Closed grain cast Iron Column, Arm, Work, Head & Gears

EN Forged Steel Main Spindle & Pinion

Alloy Steel Spindle Ram

Parts Finished on Imported Grinding M/c.
All Moving Parts Finished to Close Tolerance.

Parts Properly balanced prior assembly.
Main Gear & Pulley

Model	BR40G	Model	BR40G
Drilling in M.S.	40	Max / Min Dist. Spindle	920 / 385
Drilling in C.I.	45	Centre to column	
Tapping in M.S.	20	Max. Drilling Radius	1005
Boring in M.S.	-	Machine Measuremnt	1350x850x1825
Spindle Hole Taper	MT-4	Diametr of Column	170
Spindle Travel	250	Work Table	300x 300 x 385
Spindle Speds (RPMx Steps)	88-1404 x 9	Drill Head Motor (HP / RPM)	1.5 / 1440
Diameter of RAM	78	Elevating Motor (HP / RPM)	1 / 1440
Spindle Autofed Ranges	Fine Feed		
Max / Min Dist. Spindle	850 / 250		
Nose to base			



All Geared Auto Feed

All Geared Radial Drilling Machine



Spindle Speed **12**
Auto Feed Range
6 Steps

Model	BRDC-410
Drilling in Mild Steel	40
Drilling in Cast Iron	45
Rough Boring in Mild Steel	60
Tapping in Mild Steel	25
DRILLING HEAD	
Spindle Taper	MT-4 / MT-5
Spindle Travel	225
Spindle Speed (12) / RPM	60, 90, 115, 165, 200, 290
	340, 480, 575, 825, 1005, 1510
Diameter of RAM (Quill)	78
No. of Spindle Autofeed Ranges (MM/REV)	6 Steps 0.1, 0.15, 0.20, 0.27, 0.33, 0.52
WORKING RANGE	
Max / Min Dist. Spindle Nose to Base	1225/450
Vertical Travel of Arm	775
Max / Min Dist. Spindle Center to Column	1025 / 275
Horizontal Travel of Arm	750
Max. Drilling Radius	1137
Machine Measurement (LxBxH)	1600 x 850 x 2270
Diameter of Column	225
Work Table	600 x 450 x 400
Coolant Tank	770 x 430 x 145 50 Liters
POWER	
Drill Head Motor	2 HP (1.5 KW)
Elevating Motor	1 HP (0.75 KW)

All Geared Radial Drilling Machine

CAPACITY	BAG-2	BAG-3	BAG-4
Drilling Capacity	38 mm	50 mm	65 mm
Spindle Travel	200 mm	195 mm	250 mm
Spindle Taper	MT-4	MT-4	MT-5
No. of Spindle Speed R.P.M.	8 (60-1760)	9 (50-805)	9 (50-805)
Range of Power Feed	0.02-0.01	0.115	0.115
Column Diameter	180 mm	280 mm	330 mm
WORKING RANGE			
Max. / Min Dist. Spindle Center to Col. Center	950/450	1325/615	1700 / 700
Max. / Min Distance Spindle Nose to Base Plate	1000/240	1080/480	1200/500
Horz. Move. of Radial Arm	500 mm	600 mm	660 mm
Working Surface of Table	500 x 435	500 x 435 mm	500x480
Working Surface of Base Plate	870 x 660 mm	1020 x 800 mm	1400x850 mm
GENERAL			
Drilling Head Motor (HP / RPM)	1.75 (1400-2800)	3 / 1400	5 / 1440
Elevator Motor (HP / RPM)	0.5/1440	2 / 1440	3 / 1440
Base Plate Dimension (L x W)	1300 x 800	1680 x 930	2050 x 990





Surface Grinder



Upper & Lower Side
of OIL TYPE



Upper & Lower Side
of BALL TYPE

- Vibration - free and noiseless working
- Precised engineering and simple easily accessible controls mean time saving and accurate operation.
- The Grinding Accuracy on the machine is Guranteed and controls of the machine are withing the easy reach of the operator.

Model	BSG-175	BSG-225	BSG-250	BSG-300
Working Surface of the Table (mm)	175 x 350	225 x 450	250 x 500	300 x 600
Magn. Chuck Size	150 x 300	200 x 450	200 x 500	250 x 500
Max. height from table to Grind. Wheel	250 mm	275 m	300 mm	300 m
Vertical Feed Gradu.	0.01	0.01	0.002	0.002
Cross Fed Gradu.	0.05	0.05	0.05	0.05
Size of Grinding Wheel	175x13x	200x13x	200x13x	200x13x
Wheel	31.75 mm	31.75 mm	31.75 mm	31.75 mm
Spindle Sped RPM	2800	2800	2800	2800
Ele. Motor H.P.	0.75	1	2	2



Hydraulic Surface Grinder

- Bed is of unique bed - type design in which the Table and the Upright are aligned exactly at right angles.
- Saddle is guided on ground V-ways resiting for high precession and smooth operations.
- Wheel Head is mounted on a constructed vertically column supported by Pre-loaded precision bearings. Driving Pulleys are dynamically balanced.

Model	BH-818	BH-1224	BH-1230	BH-1640
Max. Table Size	200 x 450	300 x 600	300 x 75	400 x 1000
Max. Longitudinal Travel	525	675	825	1075
Max. Cross Traverse	240	350	350	450
Max. Spindle Center	400	400	750	750
SPEED & FEEDS				
Max. Table Sped (m/min)	15	15	18	18
Power Cross Traverse (mm/min)	1000	1000	1000	1000
Auto Cross Fed at each Table Rev.	0.5 to 10	0.5 to 10	0.5 to 10	0.5 to 10
Least Count at vertical feed head wheel	0.002	0.002	0.002	0.002
GRINDING HEAD				
Size of Grinding Wheel	200 x 20	200 x 20	250 x 25	300x50
	x 31.75	x 31.75	x76.2	x76.2
Power of Spindle motor (HP)	2	2	3	5
Sped of grinding spindle RPM	2800	2800	2800	1400
HYDRAULIC SYSTEM				
Working Pressure (Kg/cm2)	20	20	20	20
Motor (HP)	2	2	2	2



Other Size available : 500x1000, 500x1500, 600x1200, 600x1500mm

Hydraulic Cylindrical Grinder



- **BED** Made of high grade cast iron provided with strong ribs for rigidity and a large Inverted prismatic Guide and Wide track, for the table. All the guide ways are carefully hand scrapped to ensure high accuracy.
- **TABLE** is composed of two parts. Upper table can be swivelled and set easily on either sides by means of set screw and scale. Table slide is hydraulically operated. And cross slide is Hydro mechanically operated.
- **WORK HEAD** : The work head is swivelled type to grind angular as well as conical jobs. It is built for grinding both with revolving and stationary centers.

Table Feed
Hydraulic Infinitely variable

Model (REW)	300	450/600/1000
Max. Grinding Length	300 m	450/600/1000
Max. Height of Center	100 mm	125 mm
Range of Table Fed Per min	0.05 / 1.5	0.05 / 1.5
Max. Table Swivel	7 + 2 = 9	6 + 2 = 8
Hydraulic Power Motor	1 H.P. / 0.75 KW	1 H.P. / 0.75 KW
Work Head Speed Range	45 towards wheel head	
Work Head Motor	(3) 75, 150, 350	(3) 60, 120, 250
Size of Grinding Wheel	0.5 H.P. / 0.37 KW	0.5 H.P. / 0.37 KW
Min. Dia. of Worm Out Wheel	350 x 25 x 127	350 x 38 x 127
R.P.M. of Grinding Wheel	250 mm	250 mm
Wheel Head Motor	1900	1900 / 2100
	2 HP / 1.5 KW	3 HP / 2.25 KW

Centerless Grinder

- **Design** : designed to grind cylindrical parts at high production rates and close tolerances straight shoulders & taper parts can be ground with equal ease suitable for hardened and unhardened stel, Brass, copper, aluminium, or any other material.
- **BED** : A single block of cast iron with a proper brinell hardness greater material thickness and heavier rib design provide maximum rigidity for greater strength providing for vibration absorption even while the machine is utilized to its fullest extent.
- **GRINDING WHEEL HEAD** : The grinding wheel spindle is made of hardened and ground nickle chrome alloy stel. It runs in oil chamber on Taper roller bearing or on bush as required. They are sturdy and strong enough to permit heavy duty grinding at high speeds and assure superior surface finish & accuracy.

MODEL	SL-75	SL-100	SL-150
Grinding range Dia.	2-75	2-100	5-150
Grinding Wheel	350 x 100 x 127	350 x 150 x 127	500 x 200 x 304.8
Regulating Wheel	225x 100 x 76.2	225 x 150 x 76.2	3200 x 200 x 127
Max. Len. in infed grinding	100 mm	150 mm	200 m
Max. Len in through feed grinding	300 x 75	250 x 100	200 x 150
Grinding Wheel Speed	1800 RPM	1800 RPM	1200 RPM
Regulating Wheel Speed	20-40-60	20-40-60	Inf. Variable
Grinding Wheel Motor	5 HP	7.5 HP	20 HP
Regulating Wheel Motor	1 HP	1 HP	3 HP
Coolant Pump Motor	0.15	0.15	0.50
Hydraulic Power Pack	0.5	0.5	0.5





All Geared Milling Machine



Vertical Model also available

High Quality Close grained cast iron.

- All slides Grinded on Slideway Grinder and Closely scraped.
- Steel Sliding gears carried on splined shafts, shafts Spindle and Arbor made of alloy steel hardened and ground.

Model	MAC 2UE	MAC 3UE	MAC 4UE
Table			
Working Surface	1300 x 300	1400 x 330	1600 x 350
Swivel	+ 45 deg	+ 45 deg.	+ 45 deg
Longitudinal Travel-X	700	800	1000
Cross Travel-Y	215	260	340
Vertical Travel-Z	450	510	600
FEEDS			
No. of Feeds	18	18	18
Long. Feed/Min	23-420	23-420	23-420
Cross Feed/Min	23-420	23-420	23-420
Vert. Fed/Min	3-70	3-70	3-70
Rapid Long & Cross / Min	1050	1050	1050
Rapid Vertical Min	175	175	175
SPINDLE			
Speed RPM / Speed	40 to 1200 (12)	40 to 1200 (12)	40 to 1200 (12)
Spindle Taper	ISO 40	ISO 40	ISO 40
Arbor Diameter	25.4	25.4	32
Main Motor	3 H.P.	5 H.P.	7.5 H.P.
Feed Motor	2 H.P.	2 H.P.	3 H.P.

Universal Milling Machine

Precise & Accurate

Model	SM-0	SM-1	SM-2	SM-2H
Surface of Table	32" x 7"	42" x 10"	48" x 11"	52"x12"
No. of T-slots	3	3	3	3
Size of T-slots	1/2"	12"	1/2"	1/2"
Swivel either side of Table	450	450	450	450
Cross	150 m	175 mm	200 mm	250 m
Vertical of Traverse	400 mm	450 mm	500 mm	625 mm
Longitudinal Traverse	475 mm	525 mm	625 mm	675 mm
Taper of Spindle	I.S.O. 40	I.S.O. 40	I.S.O. 40	I.S.O. 40
No. of Spindle Sped	6	9	9	9
Range of Spindle Speed	40 to 700	40 to 700	40 to 700	40 to 700
Dia of Spindle in MM	50	80	80	90
No. of Longitudinal Feed Table	2	2	3	3
H.P. Require	1	2	2	2

Machine is Suitable for Mass Production Purpose.
Auto Feed is provided in both directions for Longitudinal movement of table
Vertical & Cross Movement are hand operated.



Vertical Model also available

Vertical Turret Milling Machine



Salient Features

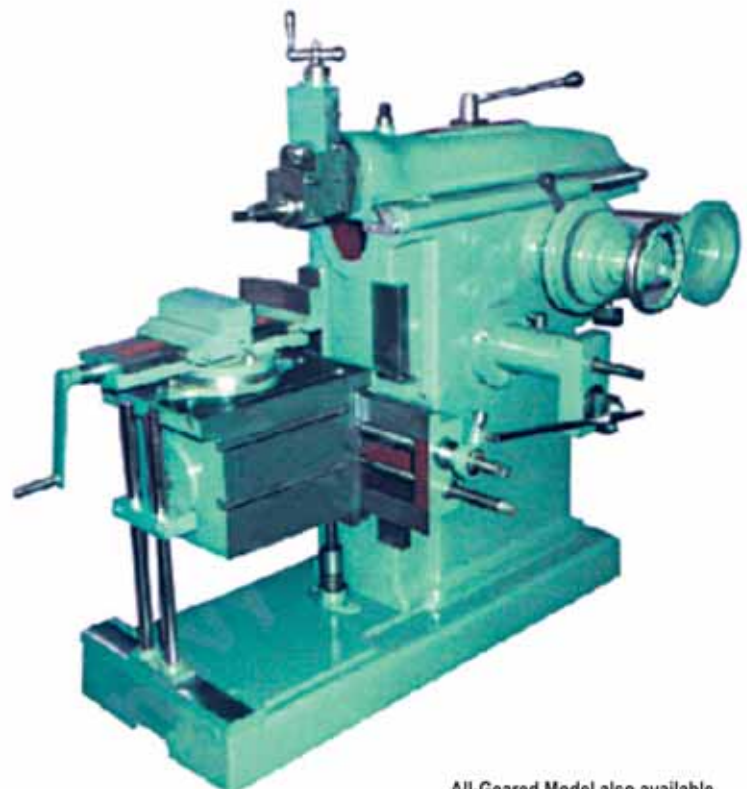
Rectangle table guideway with high stability Hardened and ground table surface
Automatic feeds on x, y, axis motorized lifting and lowering of table on z axis.

Particulars/Models	X6323(2#)	X6325(3#)	X6325(4#)	X6325(5#)
Table Size	230x1067 mm	254x1270/1370 m	254x1270/1370 m	254x1270/1370 m
Table Load	250 Kgs.	300 Kgs.	300 Kgs.	350 Kgs.
X Axis Travel	610 mm	780 mm / 880 mm	780 mm / 880 mm	760 mm / 860 mm
Y Axis Travel	350 mm	395 mm	395 mm	420 mm
Z Axis Travel	380 mm	380 mm	380 mm	380 mm
Motor Output	3.0 HP	3.0 HP	3.0 HP	5.0 HP
Head Structure	Belt Driven Head	Belt Driven Head	Belt Driven Head	Belt Driven Head
Taper of Spindle Bore	R8 or NT-30	R8 or NT-30	R8 or NT-30	NT-40
No. of Spindle Sped	16 Speeds	16 speeds	16 speeds	16 speeds
Range of Spindle Sped	80-5400 rpm	80-5400 rpm	80-5400 rpm	80-5400 rpm
Spindle Rotation Angle	45 Degree	45 Degree	45 Degree	45 Degree
Spindle Fed Rate	0.04, 0.08, 0.15 mm/r	0.04, 0.08, 0.15 mm/r	0.04, 0.08, 0.15 mm/r	0.04, 0.08, 0.15 mm/r
Ram Travel	305 mm	510 mm	580 mm	580 mm
Ram Rotation Angle	360 Degree	360 Degree	360 Degree	360 Degree
Dimensions (LxwxH)	1500x1530x2100 mm	1700x1550x2100mm	1700x1550x2100mm	1700x1550x2350mm

Shaping Machine

- Naturally Seasoned Casting.
- Heavily Cross ribbed, Robust and sturdy construction ensures free working.
- Specially designed for increased-production, precision Performance and Deep Cut.
- Fully Hand Scrapped
- Quick Return Motion
- Selected special alloy steel used for screws and other steel parts.

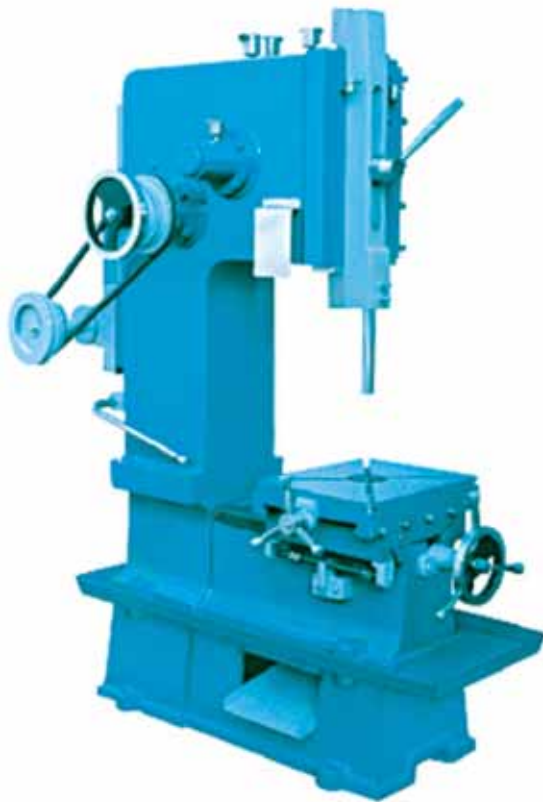
MODEL	TCS-12	TCS-18	TCS-24	TCS-30	TCS-36
Machine Size	12"	18"	24"	30"	36"
Maximum Stroke	14"	20"	26"	32"	38"
Len of Ram	26"	36"	50"	58"	66"
Max. Dist. of Table to Ram	9"	15"	19"	20"	20"
Min. Dist. of Table to Ram	1/2"	2"	2"	2"	2"
Max. Vertical travel to tool slide	5"	4"	7"	7"	7"
Len. and width of table top.	12"x9"	18"x12"	24"x15"	30.1/2"x16"	36"x18"
Len and width of table slide	24"x10"	30"x11"	37.1/2"x12"	44"x13"	48"x14"
Len of cross slide	24"	30"	37.1/2"	44"	48"
Width of Ram	8.1/2"	10"	12.1/2"	12.1/2"	13"
No. of speeds	4	3	4	4	4
HP Required (1440)	1	2	2	3	5



All-Geared Model also available



Slotting Machine Standard Model



- Rigid Construction hence smooth and Vibration free operation.
- Fine gained castings and dully Seasoned.
- All gears are Machine cut and Properly fitted.

Model	BS-150	BS-250
Stroke	10 to 150 mm	10 to 250 mm
Longitudinal Move.	200 mm	230 mm
Cross Movement	110 mm	230 mm
Sped Adjustment	3 speed	3 Speed
Ram Adjustment	150 mm	250 mm
H.P.	1 H.P.	1.5 H.P.
Column to RAM Dist.	210 mm	330 mm
Table to RAM Dist.	310 mm	410 mm

Extra Accessories :

Rotary Table With 36 : 1 Ration (250 mm),
Electric Motor True Chuck Switch V- Belt

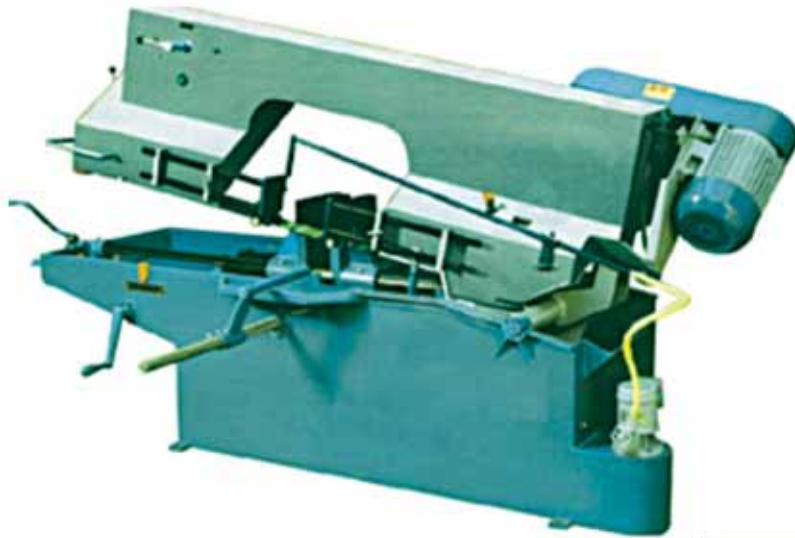
Slotting Machine Deluxe Model

- Rigid Construction hence smooth and Vibration free operation.
- Fine gained castings and dully Seasoned.
- Circular Table Provided with T slots and can be completely revolved.
- It is divided on its circumference in degrees.
- Machine provided with indexing Dividing Attachment.
- All gears are Machine cut and Properly fitted.

Model	BYS-7	BYS-8	BYS-9	BYS-12
Stroke	20 to 180 mm	20 to 203 mm	22 to 228 mm	25 to 305 mm
Dist. Table to Head	370 mm	405 mm	421 mm	550 mm
Dia of Table	270 mm	355 mm	355 mm	425 mm
Longitudinal Move.	245 mm	300 mm	400 mm	700 mm
Cross Movement	180 mm	235 mm	235 mm	360 mm
BED L x W x H	680x275x280	8760x320x320	970x320x340	1370x355x390
No. of speed	2	3	3	3
H.P.	1	1.5	1.5	2



Metal Cutting Bandsaw



Model	BMB-1	BMB-1HS	BMB-10HS	BMB-2HS	BMB-3HS
Round	175	175	250	300	350
Square	150 x 150	150 x 150	200 x 200	250 x 250	300 x 300
Drive Motor H.P., RPM	0.5, 1440	1, 1440	1.5, 1440	2, 1000	2, 1000
Coolant Pump H.P., Valts	0.15, 440	0.15, 440	0.15, 440	0.15, 440	0.15, 440
Blade Speed Mtr / Min	25	20	20	20	20
	30	35	35	35	35
	35	55	55	55	55
		75	75	75	75

Hacksaw Machine



Hydraulic Hacksaw

MODEL	BFH-8	BFH-10	BFH-12
Cutting Round	200	250	300
Capacity Square	150	200	250
No. of Stroke Per Min	100-125	100-125	85-100
Blade Size (mm)	400x32	450x32	500x38
Approx Weight Kg	350	450	600
Motor (1440 RPM)	1 HP	1.5 HP	2 HP

Semi-Hydraulic Mechanical

MODEL	BFH-7	BMH-7
Cutting Round	165	150
Capacity Square	150	125
No. of Stroke Per Min	65	80
Blade Size (mm)	350	350
Approx Weight Kg	300	150
Motor (1440 RPM)	1 HP	1 HP



Tool & Cutter Grinding Machine

- The provision of tilting head simplifies the cutting face angle quickly and accurately
- Work head holding fixture is fully adjustable with swivel base.
- An adjustable stopper limits the longitudinal table reciprocation movement.
- The machine runs at mono speed of 3600 RPM and the drive from the motor to spindle is by means of V-belt.
- Almost all cylindrical side & face, involute gear, Concave as well as convex cutters,
- Bevel lead angle reamers & cutting face of tap flute can be resharpened with standard accessories.
- Drill pints, tap lead & Radius grinding jobs can also be done without problem with extra accessories.

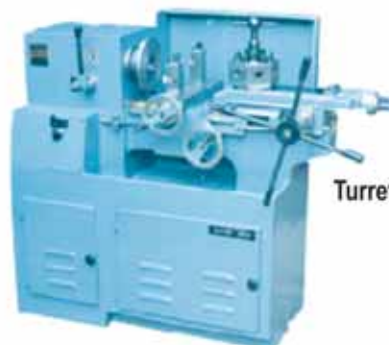
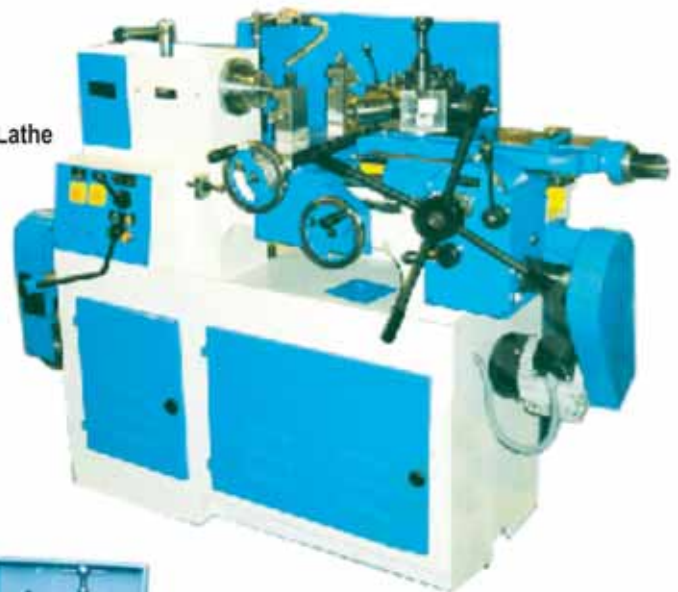
Model	TCG-1
CAPACITY	
Max. Diameter of Cutter that can be grind	250 mm
Max. Distance Between Centres	300 mm
Max. Length of Cutting edges grind	260 mm
Grinding Spindle Speeds	4600 RPM
Swing diameter on standard centres & work head	275 mm
Working surface of table	450 x 125
Longitudinal Traverse	200 mm
Cross Traverse	150 mm
Base of the machines	599 x 430 mm
Floor area occupied	765 x 1145
Height of the machine	1375 mm
Weight of the machine with Std. Accessories	325 Kg.
Dimension of Packing Box.	1525 x 915 x 915
Gross Weight Approx.	350 Kg.
Electric Motor	0.5 HP - 2800 RPM

Capstan Lathe Machine

Capstan Lathe

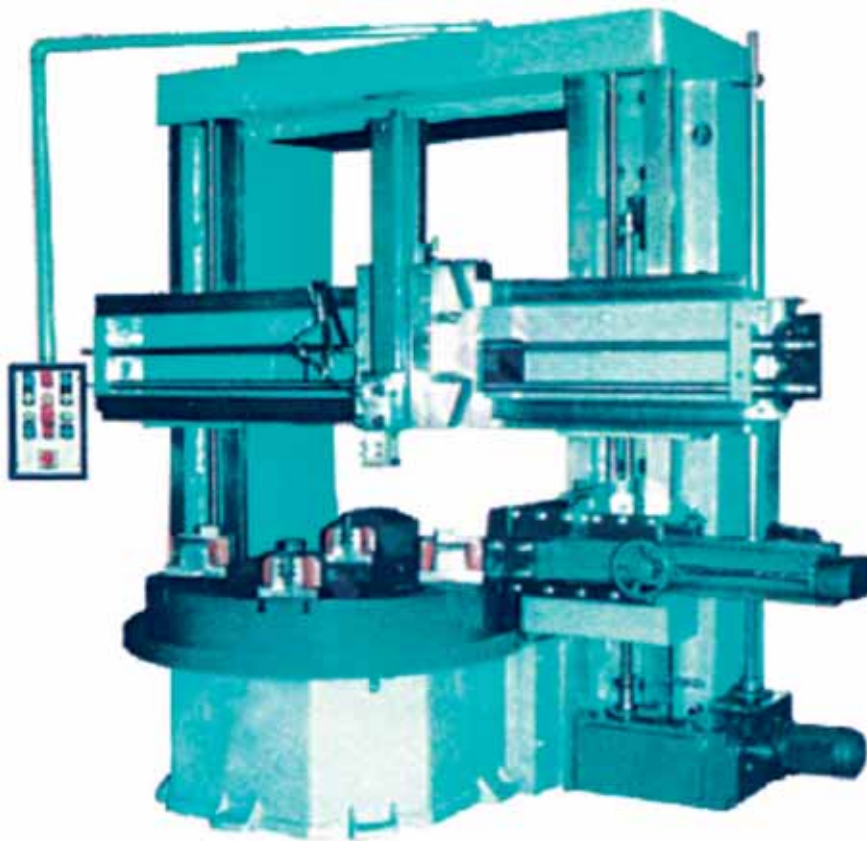
Model	42G	32G
Spindle Hollow	50 mm	38 mm
Maximum Collet Capacity	42 mm	32 mm
Range of Spindle Sped		
Slow Group (RPM)	60-95-150-240	240-152-380
Fast Group (RPM)	380-600-950-1500	600-950-1500
Strokes of Capstan Slide	150 mm	130 mm
Bore Size in Hexagonal Turret	25 mm	25 mm
Center of Holes above Turret Slide	54 mm	45 mm
Max. Dist between Spindle		
Nose of Turret Face	400 mm	360 mm
Cross slide longitudinal Travel	230 mm	140 mm
Length of Bed	1330 mm	1200 mm
Width of Bed	190 mm	180 mm
Height of Center above bed	170 mm	160 mm
Net Weight of the Machine	1500 Kg.	1200 Kg.

Capstan Lathe



Turret Lathe

Vertical Turning Lathe



Models	VTL-1	VTL-2
Table Diameter Standard	1200 mm	1500 mm
Max. Turning Dia with		
Side head below the table top	1600	1750
Side head in Working position	1350	1550
Max. Working Height under Cross rail	1000	1200
Vertical Travel of Ram Head	500	600
Swivel Angle of Ram Head	45	45
Horizontal Travel of Side Head	500	600
Max. Vertical Travel of Side Head	750	950
Table Speeds	5-50	4-40
Feeds, Horizontal & Vertical	6	6
Range	1.5-9	1.5-9
Main Motor	10 HP	15 HP

Standard Accessories

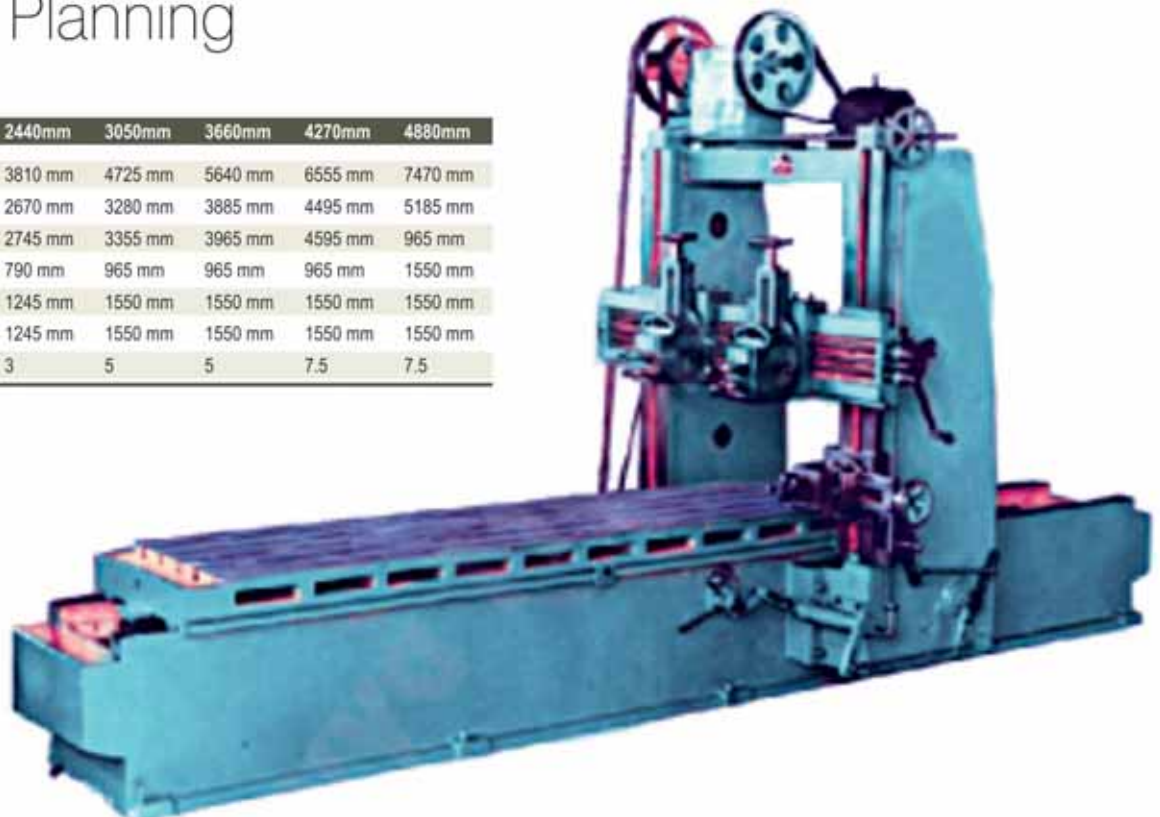
Single Tool Post - Rapid Travel of Cross Slide - Vertical Lifting and Lowering of Cross Rail 4 Chuck Jaws - Complete Electrical Fitting With Control Panel with Centralized Control Station

Optional Accessories

Coolant System with Splash Guard - DRO In X & Y Axis - Auto Feed tripping - Grinding Att. Pendant push button station - Operator's side column ram Head

Heavy Duty Planning

Size	1830mm	2440mm	3050mm	3660mm	4270mm	4880mm
Length of Bed	2895 mm	3810 mm	4725 mm	5640 mm	6555 mm	7470 mm
Length of Table	2060 mm	2670 mm	3280 mm	3885 mm	4495 mm	5185 mm
Stroke of Table	2060 mm	2745 mm	3355 mm	3965 mm	4595 mm	5185 mm
Width of Table	790 mm	790 mm	965 mm	965 mm	965 mm	1550 mm
Planning Width	1245 mm	1245 mm	1550 mm	1550 mm	1550 mm	1550 mm
Height Under Cross Rail	1095 mm	1245 mm	1550 mm	1550 mm	1550 mm	1550 mm
HP REQUIRED	3	3	5	5	7.5	7.5





"C" Type Power Press



Description	5	10	20	30	50
Crank Shaft Dia.	51	60	76	83	105
Stroke Adj.	6-25	6-25	13-51	13-63	13-76
Hole in Ram	25	25	32	38	38
Hole in Bed	63	76	83	89	127
Dist. Bed to Ram	153	205	280	292	406
Stroke per Minute	85	75	60	60	55
L x W of Bed	305 x 178	381 x 255	508 x 305	558 x 356	750 x 520
Fly Wheel Dia.	405	435	50	660	810
H. P. Require	0.5	1	2	3	5

Description	75	100	150	200	250
Crank Shaft Dia.	121	134	152	158	165
Stroke Adj.	115	127	152	158	165
Hole in Ram	45	51	57	63	63
Hole in Bed	127	178	191	216	229
Dist. Bed to Ram	483	483	495	519	544
Stroke per Minute	50	45	40	30	30
L x W of Bed	863 x 596	914 x 635	965 x 685	1016 x 736	1067 x 778
Fly Wheel Dia.	910	1016	1118	1150	1320
H. P. Require	7.5	10	15	20	25

Crank Shaft : Made of Special Alloy Steel

Gears & Clutch : Gears are made of Cast Iron & Clutch is provided of Pin Rolling key Rigid type for mass production & clutch for continuous stroke.

Table & Ram : It is made of high grade Cast iron properly seasoned & perfectly aligned to obtain high accuracy & precision operation.

Pillar Power Press

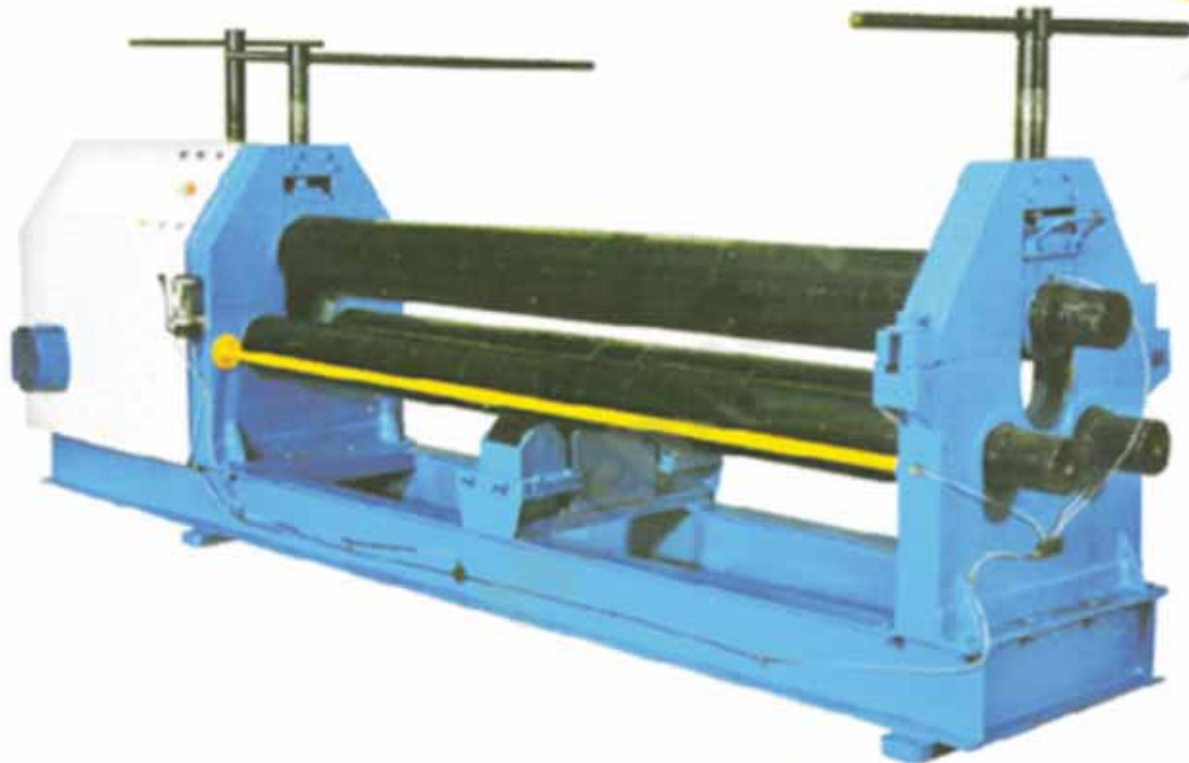


Crank Shaft : Made of Special Alloy Steel

Gears & Clutch : Gears are made of Cast Iron & Clutch is provided of Pin Rolling key Rigid type for mass production & clutch for continuous stroke.

Table & Ram : It is made of high grade Cast iron properly seasoned & perfectly aligned to obtain high accuracy & precision operation.

Description	10	20	30	50	75	100	150	200	250
Crank Shaft Dia.	63	76	83	95	115	127	152	160	165
Stroke Adj.	6-50	10-63	10-76	13-105	13-115	13-127	113-140	13-152	13-165
Hole in Ram	25.4	32	38	38	45	51	51	63	63
Thickness of Bolester	55	63	63	76	198	102	102	115	127
Dist. Bed to Ram	215	255	290	355	375	420	445	470	485
Stroke per Minute	70	60	60	55	50	40	30	30	25
H. P. Require	1	2	3	5	7.5	10	15	20	25



Pyramid Type Bending Roller

Machine Application & Usage

- Boiler Tank, Air Conditioning Channels, Sheet Metal Cover
- Cone Making & Other Aluminum & Steel Fabrication, Marine & Ship Building Pressure Vessels, Wind Mills.

Technical Features

- Bottom roll are fixed and driven by Gears and worm Reduction Gear Box. Top Roll rotates in fixed positions and can be adjusted up & down manually by adjustable screws.
- Housing are made from M. S. Plate of suitable strength and mounted on heavy base frame. Rolls are made from forged steel and perfectly machined for accurate result.
- For longer life and smooth working of machine, Gun Metal Bushes are provide and given sufficient lubrication system.

Bending Process :

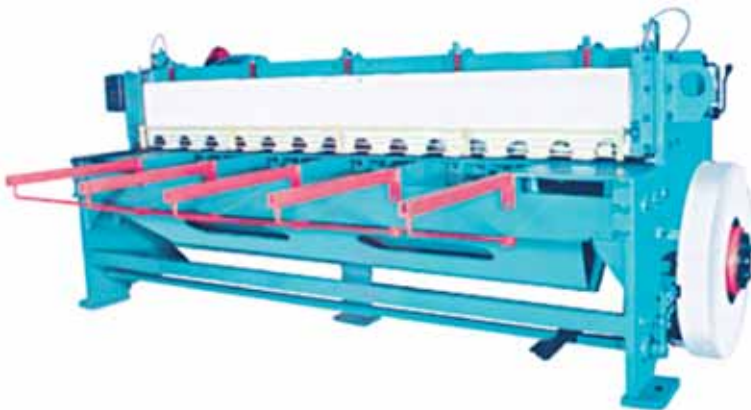
- Place the plate between bottom and top rolls by adjustable top roll manually.
- Down the top roll and give pressure on the plate. Then start main motor in clock wise direction till one end of the plate comes over first bottom roll reverse the motors and get second end on second bottom.
- Continue above process until you get desired as shown in picture.

Models	Table Length	Top Roll	Bottom Roll	HP
BBR-1	1250 x 3	100	90	2
BBR-2	1250 x 6	125	105	3
BBR-3	1250 x 10	150	125	5
BBR-4	1250 x 12	175	140	7.5
BBR-5	1250 x 16	190	150	7.5
BBR-6	1250 x 20	200	160	10
BBR-7	1250 x 25	240	200	15
BBR-8	1500 x 3	115	100	3
BBR-9	1500 x 6	140	115	5
BBR-10	1500 x 10	160	135	7.5
BBR-11	1500 x 12	180	150	7.5
BBR-12	1500 x 16	200	160	10
BBR-13	1500 x 20	215	170	12.5
BBR-14	1500 x 26	250	215	20
BBR-15	2000 x 6	160	135	5
BBR-16	2000 x 10	185	150	7.5
BBR-17	2000 x 12	205	160	10
BBR-18	2000 x 16	215	175	12.5
BBR-19	2000 x 20	230	190	15
BBR-20	2000 x 25	275	230	20
BBR-21	2500 x 6	175	150	7.5
BBR-22	2500 x 10	200	170	10
BBR-23	2500 x 12	230	180	15
BBR-24	2500 x 16	240	200	20
BBR-25	2500 x 20	2600	215	20
BBR-26	2500 x 25	300	260	30
BBR-27	3000 x 10	240	200	15
BBR-28	3000 x 12	260	220	20
BBR-29	3000 x 16	275	225	20
BBR-30	3000 x 20	290	250	25
BBR-31	3000 x 25	340	290	40

Note : Electric Motor will be of 960 RPM



Mechanical Shearing Under Crank

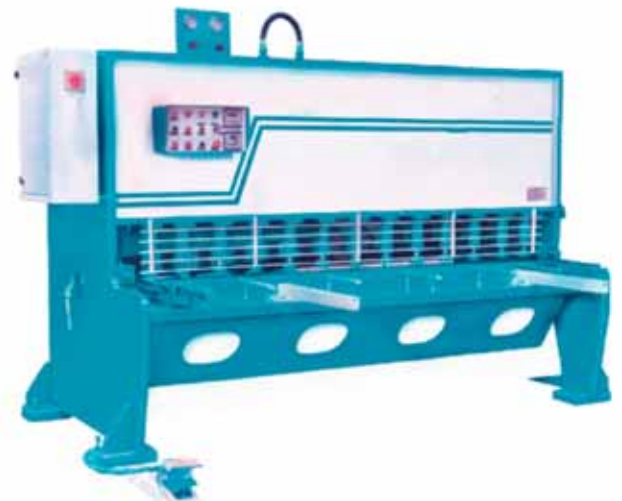


Model	Cap	Blade		Stroke Per Hold Down		Machine	Motor
		Width	Thickness	Minute	Knife edge		
TUS-1	1270x2	50	12	60	20	2150x1450x1275	2
TUS-2	1525x2	50	12	60	20	2450x1450x1275	3
TUS-3	2030x2	50	12	60	20	2900x1450x1375	5
TUS-4	2540x2	50	12	50	20	3450x1450x1375	5
TUS-5	3125x2	50	12	50	20	4150x1525x1400	7.5
TUS-6	1270x4	63	18	60	25	2300x1525x1320	5
TUS-7	1525x4	63	18	60	25	2500x1525x1320	5
TUS-8	2030x4	63	18	50	25	3000x1700x1425	7.5
TUS-9	2540x4	63	18	50	25	3500x1700x1425	7.5
TUS-10	3125x4	63	18	50	25	4200x1850x1500	10

FRAME CONSTRUCTION : Shears fabricated from IS Grade. Rolled steel plates. Table and cutting Beam are deeply reinforced and fines machined after stress relieving. The interlocked design put the direct support to frame. Thus frame is stain free and eliminate welds at load supports. Thus the accuracy of the machine is never disturbed.

BED : Super strong bed of closed box type construction, stress relieved in a furnace, forms a rigid backbone for the shear and a solid backing for the lower Knife. Dovetail slots in front of the bed are provided for front gauge. Slots on top of bed are also provided for machined pad across the bed for convenient setting of front gauge brackets at any desired spacing. Depressions in the top of the bed provide ample clearance for fingers in handling sheet narrower than the bed.

Hydraulic Shearing



Model No.	Shearing Length	Shearing Thickness				Rake Angle	Rake Angle Range	Stroke / min. at min / max Rake Angle	Hold Downs	HP
		M.S.		S.S.						
		Nomi	Max.	Nomi	Max.					
HVR325	2500	3.15	4	2	3	1°15'	0.5-2°	28-13	13	5
HVR330	3000	3.15	4	2	3	1°15'	0.5-2°	24-9	16	5
HVR415	1500	4	6	3	4	1°37'	0.5-3°	30-15	8	5
HVR420	2000	4	6	3	4	1°37'	0.5-3°	28-13	11	7.5
HVR425	2500	4	6	3	4	1°37'	0.5-3°	26-8	13	7.5
HVR430	3000	4	6	3	4	1°37'	0.5-3°	24-6	16	10
HVR615	1500	6	8	4	6	1°45'	0.5-3°	24-8	8	10
HVR620	2000	6	8	4	6	1°45'	0.5-3°	22-7	11	10
HVR625	2500	6			6	1°45'	0.5-3°	28-8	13	15
HVR630	3000	6	8	4	6	1°45'	0.5-3°	24-6	16	15
HVR815	1500	8			8	2°	0.5-3°	22-10	8	15
HVR820	2000	8	10	6	8	2°	0.5-3°	18-8	11	15
HVR825	2500	8			8	2°	0.5-3°	24-8	13	20
HVR830	3000	8	10	6	8	2°	0.5-3°	20-6	16	20
HVR1020	2000	10			10	2°	0.5-3°	18-8	11	25
HVR1025	2500	10	13	8	10	2°	0.5-3°	24-8	13	20

Feature :

- Moving beam Synchronized by differential cylinders.
- Hardened rollers guide beam for constant blade gap.
- Blade gap easily adjustable by calibrated levers.
- Rake angle adjustable to suit thickness and material.
- Activation from consol and movable foot switch.
- Shet clamped Hydraulically before cut starts.
- Stroke length - position can be set for short jobs.
- Beam returns on releasing foot switch for smaller cuts.
- Cutting area illuminated for clear view of ends.

Mechanical Press Break



Model	Cap. in TON	Bending Cap.	Dis. Between Housing	Stroke Length	Stroke Per Minute	Ram Adjust.	Depth of Throat	Main Motor
PB-1	0	1525x1.6	1120	50	32	25	250	5
PB-2	25	2030x1.6	1220	50	32	25	250	7.5
PB-3	65	2030x4	1220	76	32	40	275	7.5
PB-4	80	2540x3.25	1700	76	32	40	275	10
PB-5	100	2540x4.5	1700	76	30	40	275	15
PB-6	100	3125x3.25	1700	76	32	40	275	15
PB-7	120	2540x6	1700	76	30	40	300	20
PB-8	140	2030x8	1420	76	30	40	350	25
PB-9	160	3125x6	1900	76	30	40	350	25
PB-10	200	3125x8	1900	76	30	40	350	30

FRAME CONSTRUCTION : Frame is Made of steel fabricated construction of interlocked robust design, machines are constructed with safeguard against undersired deflections and breakage. The frame distributes the stresses, supporting the bed directly on the frame. The double support shoe of frame gap provides extremely high rigidity, alignment, accuracy and keeps frames structure at right angles to the bed.

RAM & BED : Ram and bed are straight and parallel of both the working surface under the rated load. The bed is accurately machined and upper surface is grinded to keep the die in correct alignment. The ram is guided and supported throughout the stroke by accurately machined guide way.

Hydraulic Press Brake

Model	Ton	Table Length	Table Width	Bending Cap (in MS, UTS)	45 Kg / mm ²	Clear Pass	Ram Stroke	Open Height	HP
PBR 215	20	1500	150	1.6 x 1500	2 x 1250	1000	100	250	2
PBR 320	30	2000	150	2 x 2000	3 x 1250	1550	100	250	3
PBR 425	40	2500	150	2 x 2500	3 x 1500	2055	100	250	3
PBR 515	50	1500	190	4 x 1500	5 x 1250	1050	100	250	5
PBR 520	50	2000	190	3 x 2000	4 x 1500	1550	100	250	5
PBR 525	50	2500	190	2.5 x 2500	3 x 2000	2055	100	250	5
PBR 625	65	2500	190	3 x 2500	4 x 2000	2055	150	330	5
PBR 630	65	3000	190	2.5 x 3000	3 x 2500	2540	150	330	5
PBR 825	80	2500	190	4 x 2500	5 x 2000	2055	150	330	7.5
PBR 830	80	3000	190	3 x 3000	4 x 2500	2540	150	330	7.5
PBR 1025	100	2500	190	5 x 2500	6 x 2000	205	150	330	7.5
PBR 1030	100	3000	190	4 x 3000	5 x 2500	2540	150	330	7.5
PBR 1040	100	4000	190	3 x 4000	4 x 3000	3250	150	330	7.5
PBR 1225	125	2500	250	6 x 2500	8 x 2000	205	150	330	10
PBR 1230	125	3000	250	5 x 3000	6 x 2500	2540	150	350	10
PBR 1240	125	4000	250	4 x 4000	5 x 3000	3250	150	350	10
PBR 1625	160	2500	250	8 x 2500	10 x 2000	205	150	350	15
PBR 1630	160	3000	230	6 x 3000	8 x 2500	2540	150	350	15
PBR 1640	160	4000	230	5 x 4000	6 x 3000	3100	150	350	15
PBR 2025	200	2500	230	10 x 2500	12 x 2000	205	200	400	20
PBR 2030	200	3000	230	8 x 3000	10 x 2500	2540	200	400	20



Standard Feature :

- Main drive standard make motor.
- Electronic control panel with three speeds inch, single cycle, auto mode of operation.
- Two front sheet supports.
- Manual back guage with micro-adjustment swing stoppers.
- Pair of lifting chains.
- Fine stroke adjustment rod with limit switches.
- One suitable 5 way die and blade. (Segmented or full length, EN-9 not covered under warranty)
- Movable console with emergency stop.
- Tonnage indicating- adjusting device.
- Manual centralized lubrication system with hand pump.
- Bending chart.



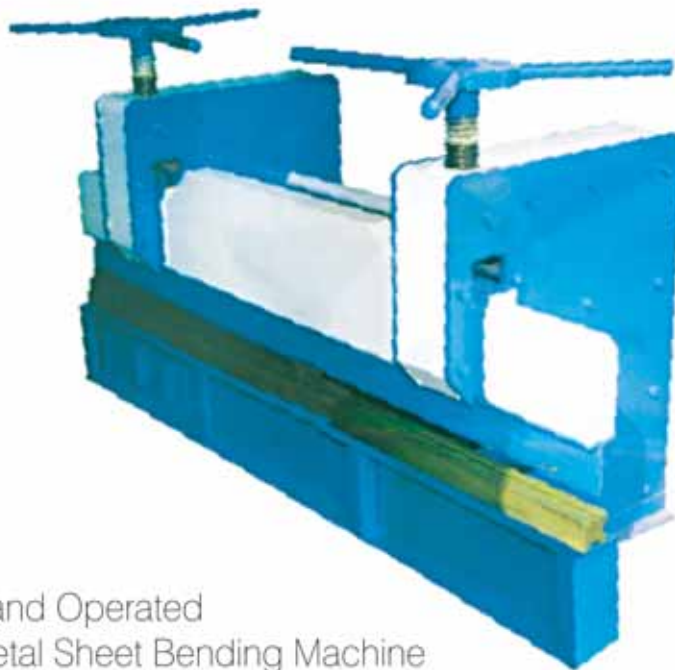
Hand Operated Trunk Folding Machine

Model No.	Overall Machine Size (inch)	Dia. of Eccentric (inch)	Thickness of M.S. Plate used in side (mm)
PTF-1	60 x 18 x 31	4	12
PTF-2	48 x 18 x 31	4	12

Cross-Sectional Size of

Ram (inch)	Blade (inch)	Bar (inch)	Girder (inch)
PTF-1	60 x 18 x 31	4	12
PTF-2	48 x 18 x 31	4	12

No. of Slits in bar	Bending Length (inch)	Bending Capacity in Thickness (S.W.G.)
4	60	18
4	48	18



Steel Body Fly Press

Size: 6 No. & 10 No.

A special heavy duty fly press will be fabricated as per the customer's requirement of peculiar press work.

Availability of higher centre distance for the operation.

Assurance of high working efficiency and accuracy over longer period of service.



Special Features

- Easy to operate & maintain
- Sound construction.
- Accurate & Precise mechanism
- Reliable performance & Price

Hand Operated Metal Sheet Bending Machine

Model	Over all M/c. Size (inch)	Dia. of screw (inch)	Thick. of M.S. Plate used in Side (mm)	Ram (inch)	Cross-Sectional Blade (inch)	Size of Bar (inch)	Girder (inch)	No. of slits in Bar	Bending Length (inch)	Centre Distance Available (inch)	Bending Cap. in Thickness (S.W.G.)
PMS-1	100x33x42	4	16	12x2.1/4 (Solid)	6x5/8	4 x 4	12 x 6	7	100	15	10
PMS-2	96x33x42	4	16	12x2.1/4 (Solid)	6x5/8	4 x 4	12 x 6	7	96	15	10
PMS-3	96x31x41	3.1/2	12	12 x 2 (Solid)	6x1/2	3.1/2 x 3.1/2	12x51/2	7	96	13	12
PMS-4	84x31x41	3.1/2	12	12 x 2 (Solid)	6x1/2	3.1/2 x 3.1/2	12x51/2	7	84	13	12
PMS-5	96x30x40	3.1/8	10	12 x 3 (Hollow)	5x5/8	3.1/8 3.1/8	12x51/2	6	96	11	14
PMS-6	84x30x40	3.1/8	10	12 x 3 (Hollow)	5x5/8	3.1/8 3.1/8	12 x 5	6	84	11	14
PMS-7	96x28x39	2.3/4	8	12 x 3 (Hollow)	5x5/8	3.1/8 3.1/8	10 x 5	6	96	10	16
PMS-8	84x28x39	2.3/4	8	12 x 3 (Hollow)	5x5/8	3.1/8 3.1/8	10 x 5	6	84	10	16



Foot Operated Shearing Machine

Foot operated shearing / Treadle shearing machine is designed and developed for accurate BURR-FREE cutting of thin or thick sheet in minimum strength, it helps to get more production in minimum time, two best quality of spring provided for quick return of ram (Upper Beam), fitted with side, back, front gauges and table extension. (Hold down can be provided at an extra cost) This machine is suitable to cut M.S., S.S., Copper, Brass, Aluminium, P.V.C. P.C.B., CRC, CRGO, CRNGO, B.P. Sheets and etc. Also applicable to M.S., S.S. Cutting, Block maker, furniture, Fabricators, Tube light patty, Calender rim, Electrical fitting, Electronics, Tin Container, P.P. Caps, Electrical and transformers stamping industries.

Standard Accessories :- Set of 4 edge blade of OHNS/HCHCR, Side, Back, Front gauges and table extension.

Extra Accessories :- Treadle return spring, Hold down spring, set of 4 edge blade OHNS/HCHCR, "U" treadle in place of std. Long table extension, Hold down.



Model	No.	BCTSOL	BCTS1L	BCTS2LL	BCTS2L	BCTS3L	BCTS4L	CTS5L	BCTS3H	BCTS4H	BSTS6L	STS8L
Max. Length	mm	305	450	650	650	1000	1250	1525	1000	1250	2000	250
Capacity	inch	12	18	26	26	40	50	60	40	50	80	100
Max. thick	mm	0.9	0.9	0.9	1.2	0.9	0.9	0.9	1.6	1.6	0.9	0.5
Cap. in M.S.	SWG	20	20	20	18	20	20	20	16	16	20	25
Table width	mm.	200	200	200	250	250	250	350	350	350	350	350
	inch.	8	8	8	10	10	10	14	14	14	14	14
Size of blade	WxT	40x10	40x10	45x10	50x12	50x12	50x12	60x16	60x16	60x16	60x16	60x16
Front gauge	mm	400	400	400	550	550	50	700	700	700	700	700
range	inch	16	16	16	22	22	22	28	28	28	28	28
Back gauge	mm	400	400	400	50	50	550	700	700	700	700	700
range	inch	16	16	16	22	22	22	28	28	28	28	28
Nos. of table extension	PCS.	2	2	2	2	2	2	3	2	3	3	4



All Roll Driven Slipout Type Light / Heavy Duty Bed

Heavy duty cast iron body all roll driven slipout type bending rollers are specially designed for bending sheet into complete cylinders or curving them to suit different type of panel work equipped with a set of three mild steel properly machined roller, two rolls having grooves for permitting sheets previously wired, the front bottom roll has adjustment to suit various thickness of sheet being admitted where as the back roll has adjustment for various dia of cylinders to be formed, slipout type ideal for taking out rapidly formed small dia cylinders without deformation. Handle for hand ungeared and geared, motor mount, motor pulley and pulley cover provided for motorised modes.

Note : BRS-Hand ungeared, BRSG-Hand geared, BRSGM- & HBRSGM geared motorised floor models.

Model No.	Max. Cap LenthxThick mmxmm (SWG)	Roll Dia.
BRS-1	450 x 1.2 (18)	51
BRS-2	650 x 0.96 (20)	51
BRS-3	1000 x 0.7 (22)	51
BRS-4	1250 x 0.5 (24)	51
BRSG-1	450 x 1.6 (16)	51
BRSG-2	650 x 1.2 (18)	51
BRSG-3	1000 x 1 (19)	51
BRSG-4	1250 x 0.9 (20)	51

Model No.	Max. Cap LenthxThick mmxmm (SWG)	Roll Dia.	H.P. Req. 960 RPM
BRSGM-1	450 x 1.6 (16)	51	0.5
BRSGM-2	650 x 1.2 (18)	51	0.5
BRSGM-3	1000 x 1 (19)	51	1
BRSGM-4	1250 x 0.9 (20)	51	1
HBRSGM-2	650 x 3 (10)	101	3
HBRSGM-3	1000 x 3 (10)	101	4
HBRSGM-4	1250 x 3 (10)	101	5



Mfg.: All Types of Industrial Machines



Heavy duty hand operated round rack spring controlled arbour press ideally suitable for pressing solid, hollow and eyelet riveting, staking, flaring, numbering, marking, assembling etc., hence it is extremely useful in all light engineering industries. The press is provided with adjustable stroke automatic spring return of spindle, adjustable spring tensioning device and T slotted base surface.

Spring Controlled Arbour Press

Model	No.	BSAP-0	BSAP-1	BSAP-2	BSAP-3
Max. Pressure	ton	1/4	1/2	3/4	1
exerted	Kg	250	500	750	1000
Max distance from	mm	50	70	85	120
Centre to back	Inch	2	2.3/4	3.3/8	4.3/4
Min. height	mm	38	82	158	215
from base to guide	Inch	1.1/2	3.1/4	6.1/4	8.1/2
Max. height	mm	70	140	260	315
from base to guide	Inch	2.3/4	5.1/2	10.1/4	12.1/2
Size of Rack	mm	28	35	38	48
	Inch	1.1/8	1.3/8	1.1/2	1.7/8
Size of	mm	125x95	175x140	232x168	305x248
rectangular table	Inch	5x3.3/4	7x5.1/4	9.1/8x6.5/8	12x9.3/4
Size of T slott	mm	12	12	12	12
on table	Inch	1/2	1/2	1/2	1/2
Hole in rack	mm	10	12	15	19
	Inch	3/8	1/2	5/8	3/4
Length of lever	mm	225	300	400	500
(Handle)	Inch	0	12	16	20

Round Can Top and Bottom Seaming Machine

Motorised or hand operated top & bottom round can seaming machine produce perfectly tight seams of round tin containers filled or unfilled equipped with spindle made from steel accurately machined and revolves on tap'er roller bearings suitable thrust bearing being provided to support the weight of the spindle. A set of seaming roll are supplied with an adjustable handle for various dia. and screw is adjustable for various height of can. Supplied with motor mount motor pulley and pulley cover (Seaming chucks can be supplied at an extra cost against specific requirements).



Model	No.	RS 8 x 10	RS 10 x 14	RS 14 x 16
Max. dia. of tin to be seamed	mm Inch	200 8	250 10	350 14
Max. height of tin to be seamed	mm Inch	250 10	350 14	400 16
H.P. Requ.	R.P.M. 1440	0.5	1.0	2

Foot Press (Pendulum Press)

Heavy duty foot operated pendulum press designed for light production work suitable for punching, embossing cutting etc., most suitable for embossing greeting cards or welding cards cutting, mica board, plastic etc., mounted on rigid cast iron leg stand.



Model	No.
Max. Pressure exerted	325kg.
Max. Distance base to slide	203 mm 8 Inch
Max. Distance from centre to back	101 mm 4 Inch

Model	No.
Hole in base dia.	76mm 3 Inch
Size of working table	203 x 305 mm 8 x 12 Inch
Hole in slide for punch	22 mm 7/8 Inch

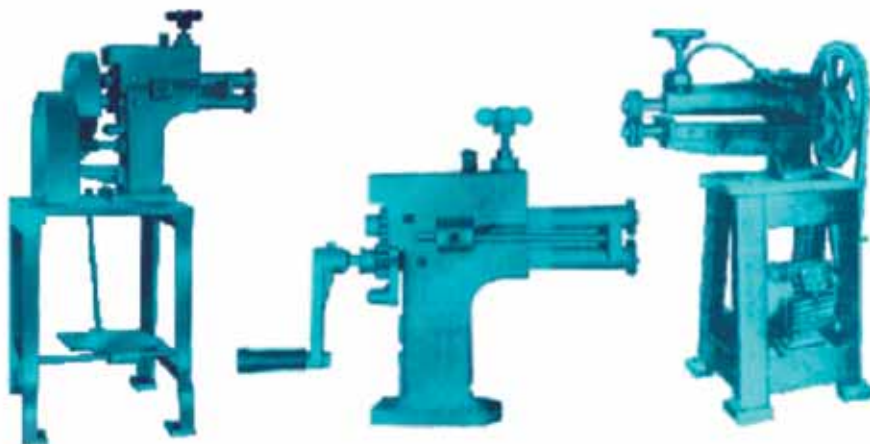
Arbour Press

Hand operated rack and pinion type arbour presses are designed for production work of quick operation in general engineering workshops, automobile workshops, garages etc. for driving mandrels in and out of work and can also be used of r inserting and removing bushes, bearings etc. They do not bend or burr the work or necessitate taking off carrier and will prove saving of time and increased life of arbours. Available in two types as under : **Round Rack** : Provided with a keyway and screw to prevent the rack turning. : **Square Rack** : Has a larger bearing surface which prolong service life. The machined rack bearing plate is held securely to the body by four large screws, permitting take up for possible wear



Model	No.	BAP-0	BAP-1	BAP-2	BAP-3	BAP-4	BAP-5
Max. pressure	Ton	1/4	1/2	1	1.1/2	3	4
exerted	Kgs	250	500	1000	1500	3000	4000
Max. distance from	mm	115	140	171	190	254	267
centre to back	Inch	4.1/2	5.1/2	6.3/4	7.1/2	10	10.1/2
Max. height from	mm	203	305	368	406	559	660
base to guide	Inch	7.7/8	12	14.1/2	16	22	26
Max. height form	mm	178	273	330	362	509	603
arbour plate to guide	Inch	7	10.3/4	13	14.1/4	20.1/8	23.3/4
Size of rack	mm	25	32	38	44	57	60
round or square	Inch	1	1.1/4	1.1/2	1.3/4	2.1/4	2.3/8
Hole in rack	mm	12	12	16	16	19	19
for punch	Inch	1/2	1/2	5/8	5/8	3/4	3/4





UNIVERSAL SWAGING & BEADING MACHINE

Motorised & hand operated universal swaging & beading machine, useful for curling and wiring of cylindrical and plain set also suitable for flanging body blanks and seaming elbows etc., complete with six set of roll for different operation viz, 4 set of curling rolls of varal radii, one set of closing roll and set of flanging roll, supplied with adjustable depth gauge, handle for hand and motor mount, motor pulley and pulley cover for motorised model,

DEEP THROAT SWAGING MACHINE

Deep throat hand or motorised swaging machine is usefull for swaging medium size of drums and all size of common household water buckets. Available in hand or geared motorised. Complete with a set of swaging roll, depth gauge, star wheel handle for hand and motor mount, motor pulley and pulley cover for motorised model (BSM-16 & BSM-18)

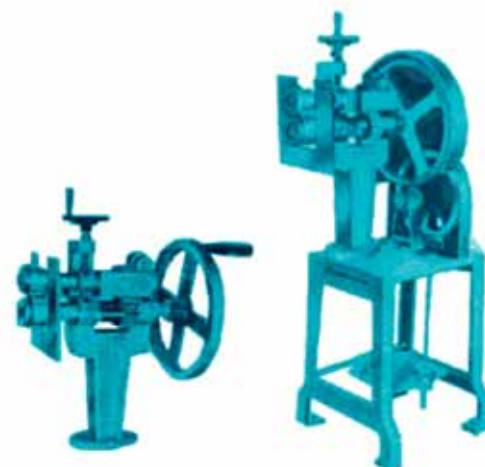
Model	No.	BSM-4	BSM-4	BSM-9	BSM-9	BSM-16	BSM-16	BSM-18	BSM-18
Drive		Hand	Motorised	Hand	Motorised	Hand	Motorised	Hand	Motorised
Working Centre of roll	mm	50	50	55	55	76	76	76	76
	inch	2	2	2.3/16	2.3/16	3	3	3	3
Max. thick Cap. in M.S.	mm	0.7	0.9	0.9	0.9	1.2	1.6	1.2	1.6
	SWG	22	20	20	20	18	16	18	16
Max. depth of gap	mm	115	115	250	250	400	400	450	450
	Inch	4.1/2	4.1/2	10	10	16	16	18	18
Power Req. 1440 RPM	H.P.		1	-	-	-	2	-	2

JENNY OR BURRYING MACHINE

Motorised and hand operated jenny or burrying machine designed for edging, flanging or burrying the edges of all classes of tin plate work of any shapes, genrally used for edging and flanging bottom and bodies to various angle previous to panning or setting down, double seaming etc. provided with an adjustable depth gauge, one pair jenny roll and handle for hand and motor mount, motor pulley and pulley cover for motorised model.

Model	No.	BJN-0	BJN-1	BJN-2	BJN-3	BJN-4	BJN-4	BJN-5	BJN-5
Drive		Hand	Hand	Hand	Hand	Motorised	Motorised	Hand	Motorised
Working centre	mm	38	38	51	51	76	76	76	76
of rolls	inch	1.1/2	1.1/2	2	2	3	3	3	3
Max. thick cap.	mm	0.7	0.7	0.9	0.9	1.2	1.6	1.2	1.6
in M.S.	SWG	22	22	20	20	18	16	18	16
Max. depth	mm	75	100	125	150	125	125	150	150
of gap.	Inch	3	4	5	6	5	5	6	6
Power required	H.P.	-	-	-	-	-	2	-	2

(RPM 1440)



ROLL TYPE EDGE FOLDING MACHINE

Hand operated roll type edge folding machine useful to edging the tin plate body blanks to form hooks for side seams prior to body forming or simple flanging with moderately sharp bands : Complete with an adjustable depth gauge and handle.

Model	No.	BREF-1	BREF-2	BREF-3	BREF-4	BREF-5	BREF-6
Max. length to be	mm	315	520	670	775	925	1230
fold	inch	12.1/2	20.1/2	26.1/2	30.1/2	36.1/2	48.1/2
Max. thick cap.	mm	0.7	0.7	0.7	0.7	0.7	0.7
in M.S.	SWG	22	22	22	22	22	22
Max. depth	mm	13	13	22	22	25	25
of fold	inch	1/2	1/2	7/8	7/8	1	1
Folding shaft	mm	32	32	38	38	44	44
dia.	inch	1.1/4	1.1/4	1.1/2	1.1/2	1.3/4	1.3/4



Hydraulic Press Hand / Power Operated



Ton	15	25	40	60
Dist. Between Coloumn	750 x 200	800 x 280	950 x 375	1010 x 425
Dist. Between Ram to Bed	150 x 650	175 x 800	175 x 900	175 x 900
Travel of Ram Power Operated	150	175	175	200
H.P.	3	3	3	5

Ton	75	100	150	200
Dist. Between Coloumn	1125 x 450	1200 x 500	1300 x 600	1400 x 700
Dist. Between Ram to Bed	175 x 900	175 x 900	200 x 1000	400 x 1200
Travel of Ram Power Operated	200	200	225	225
H.P.	5	5	7.5	10

Use & Applications

- Auto service Station
- Repairing Workshop
- Pressing of Ball Bearing
- Removal of Old Bushes and mounting New Bushes
- Straightening
- Pressing
- Baling
- Drawing
- Embossing
- Broaching
- Bending
- Breaking
- Joining of Steel
- In Plastic, Rubber & Plywood Industries
- In Electric Motors, Submersible Pump etc. Industries
- Gold/Silver coin Monogram Embossing
- Mosaic Tiles
- Bakelite Parts
- Textile Part Industries

Hydraulic Iron Worker

Engineering Excellence with cost effective solution

- Angle Cutting • Channel Cutting • Flat Cutting • Round Bar Cutting
- Square Cutting • Punching • Notching

Shear for Flat	150 x 16, 250 x 12
Angle	100 x 100 x 10
Channel	100 x 50
Round	38
Square Bar	38
Punching	40 x 8
Notching	80 x 40 x 5
Motor	5 HP
No. of Stroke/min.	15
(20 mm travel for punching side)	
Throat Depth	250
Overall Dimension	1250 x 750 x 1600

- Main Drive Motor
- Electric Control Panel
- Fine stroke adjustment rod with limit switch
- manual job clamping device
- Blade for Angle Cutting, Channel Cutting, Flat Cutting Et
- Notching
- Pair of Foot Switch



Sheet Metal Machine

Circle Cutting Machine



Hand Operated /
Motorised Operated

Size	: 15", 18", 24", 36"
Cap. Cuts	: 76mm
Circle Dia	to 900mm
Cuts	
Thickness	: 0.90 to 1.5mm
M.S.	



Z-Section

M.S. Flat Bar	: 25 x 6 mm
MS Round	: 6 mm
M.S. Square	: 6 mm
M.S. Z-E Seve	: 45 L & W
	15 mm
M.S. TEE	: 25 x 1.5 mm
M.S. Angle	: 25 x 2 mm

Single Body Fly Press Size : 0 to 8 No.

Base to Guide	4.1/2" to 11"
Center to back	3 to 8"
Diameter of Screw	1.7/16" to 3"
Hole through base	1.1/4" to 6"
Stroke	3" to 8"
Hole in Ram Dia	3/4" to 1.1/4"
Hole in Ram Depth	1.1/2" to 2.1/2"

Application : Embossing, Punching, Cutting
Pressing, Stamping, Deep Drawing



Double Body Fly Press Size : 6 to 10 No.

Base to Guide	9" to 11"
Between Uprights	12 to 17"
Hole through Base	4.1/2" to 8"
Stroke	7" to 9"
Diameter of Screw	2.5/16 to 3.3/8
Hole in Ram Dia	1" to 1.1/4"
Hole in Ram Depth	2" to 2.1/2"

Application : Embossing, Punching, Cutting
Pressing, Stamping, Deep Drawing



Angle Cutting Model : 8C, 8CH, 10 CH



Model	8CH	10 CH
Cap. to cut Plates	7mm	10mm
Plate upto (M.S.)	60x9	75x12
Round upto (M.S.)	18	22
Square upto (M.S.)	18	22
Tee Cutting Cap.	55x5	60x6
Angle Cutting Cap.	62x6	75x7

Rod Cutting M/c. Cap. Round 18 & 25 mm Square 15 & 22 m



Cap. to cut	50/20	50/26	50/30
Round (M.S.) Bar			
Square upto (M.S.)	18	25	28
Length of blades (approx)	15	22	26
Nett weight (approx)	62	75	

Bhaiya Cutter Size : 12" & 16"



Size	8", 12", 16"
Cutting Capacity	1.5 to 3 mm
Stroke Length	145 to 345 mm
Plate Size	25m to 40m

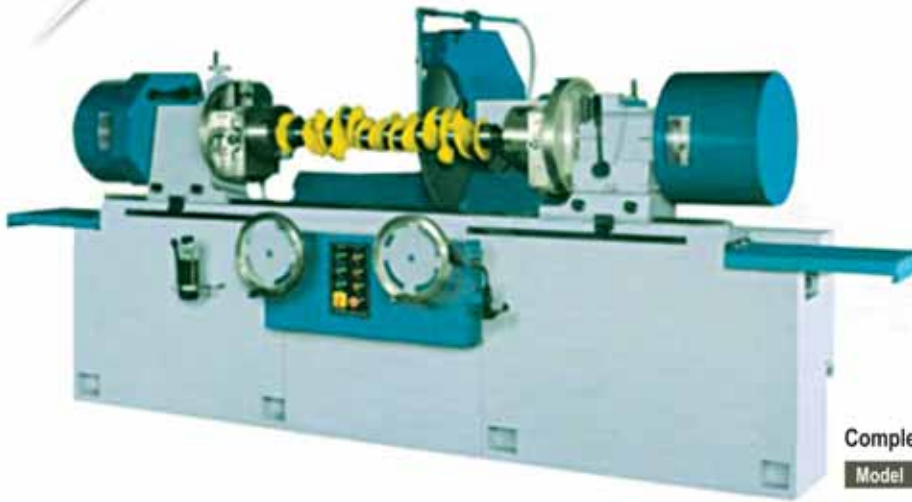
Hand Notcher

Capacity	150x150mm (1.6(16 Gauge)
Rate Cap	4 Tons
Stroke of Ram	20mm
Table Size	450x300mm
Height from the stand	480mm





Crant Shaft Grinding



Complete solution for engine reconditioning equipments

Model	M-1000	M-1200	M-1500	M-2000
Max. Dist. Between Center	1000	1200	1500	2000
Max. dist. Between Chucks	900	1200	1500	1800
Max. offset Center	75	80	80	125
Fast Hydraulic Wheelhead traverse	100	125	150	150
Max. grinding Wheel diameter	600	660	710	810
Power				
Wheel head motor HP	3	4	5	7
Work head spindle Motor HP	0.5	1	1	1
Hydraulic Power Motor HP	0.5	0.5	0.5	1
Cooling Pump HP	0.8	0.8	0.8	0.8

Standard Equipments :

Centering Stand with dial Gauge	1 No.
Normal Steady Rest	1 No.
V-Guide	1 No.
radius Dresser	1 No.
Flat Dresser	1 No.
Coolant Tank	1 No.

Surface Grinding Cum Milling

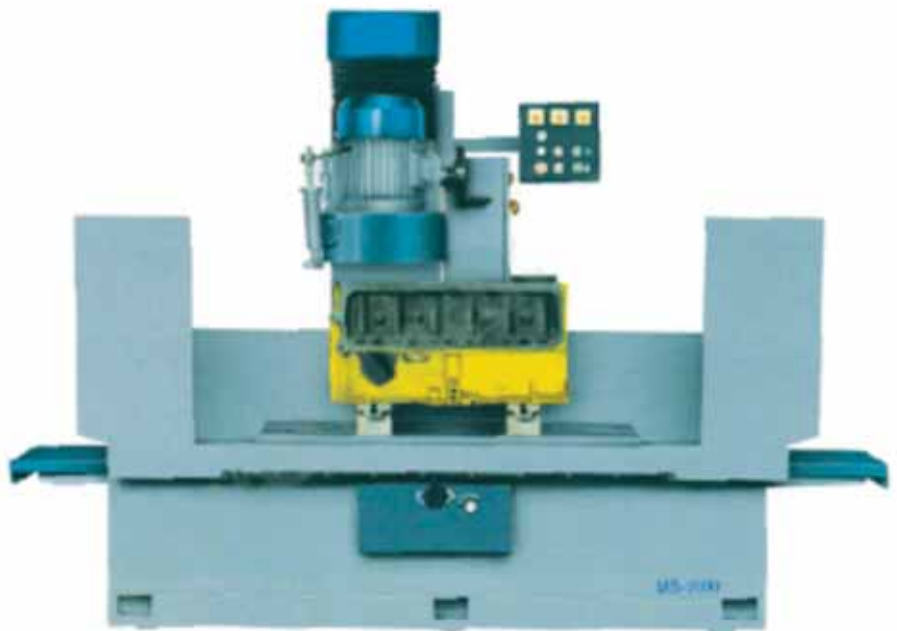
Complete solution for engine reconditioning equipments

Model	1000
Max. Length of Job	1000 x 300
Segment Wheel Size	350
Table Length	1160
Table Width	300
Max. Distance Grinding Wheel To Table Surface	500
POWER	
Grinding Wheel Motor	3 HP / 5 HP (700 & 1400 RPM)
Hydraulic Motor	1 H.P.
Rapid Feed Motor	0.5 H.P.
Coolant Pump Motor	0.8 H.P.

Model 1500 is also available

Standard Equipments :

Tool Holder	1 No.
Parallel Box	4 No.
Grinding Wheel Dresser	1 No.
Coolant Tank	1 No.



Vertical Fine Boring & Facing



Complete solution for engine reconditioning equipments

Model	MB 1170 - MBM - 1170
Boring Capacity	65 - 150 mm
Boring Head ravel	550 mm
Spindle Speeds	50 to 350 RPM
Spindle Feed per Revolution	0.06, 0.10 & 0.15 mm
Max. dist from Spindle Center Line	
to Column	375 mm
Max. dist from table to head	1100 mm
Working Table Size (LxW)	1170 x 450 mm
Table Traverse - Longitudinal	1100 mm
Table Traverse - Crosswise	50 mm
Max. Milling Length (MBM 1170)	1100 mm
Max. Milling Width (MBM 1170)	2500 mm
Automatic Table Feed	0-250 mm / min
Motor - Spindle Drive	2 HP
Motor - Table Displacement (MBM 1170)	0.25 HP

Standard Equipments

Model MB 1170 :

Boring Spindle	2 No.
Micro Meters	2 No.
Parallel Blocks	4 No.
Tool Grinder	1 No.

Model MBM 1170 :

Automatic Table Feed
& 250 mm dia milling cutter

Cylinder Honing Machine

Complete solution for engine reconditioning equipments

Model	HM-800
Honing Diameter	65-115 mm
Honing Stroke	300 mm
Stroke Speed	1-12 m/Min
Spindle Speed (Variable)	25- 200 R.P.M.
Spindle Drive Motor	2 H.P.
Power Pack Motor	1 H.P.
Honing head traverse	800 mm
Length of the machine	1600 mm
Width of machine	1200 mm
Height of machine	1600 m

Standard Equipments :

Honing Head 65-115 mm	1 No.
T-Bolt with nut & washer	2 Set





Air Compressor



Single Stage Compressor 2HP to 30HP



Two Stage High Pressure Air Compressor 3HP to 20HP



Vertical Air Compressor 2HP to 30HP

SINGLE STAGE COMPRESSOR

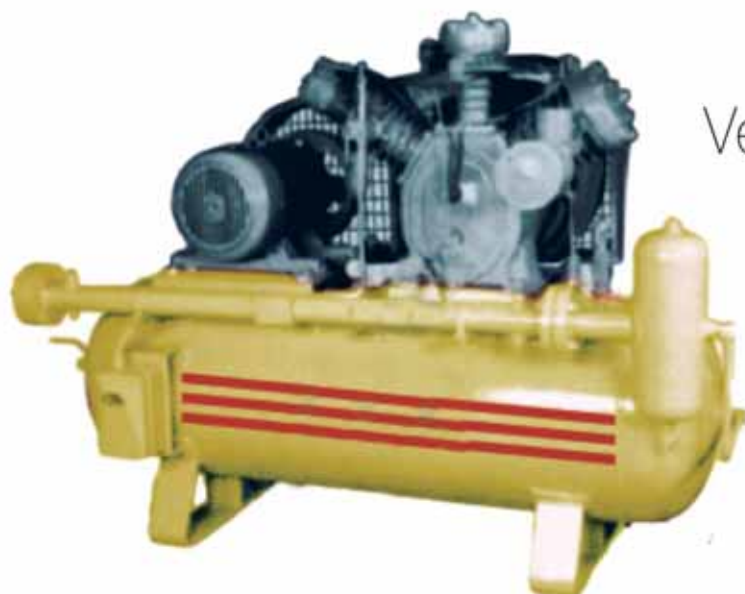
Model	Piston Displacement		Max. Pressure		No. of Cylinder	Air Receiver Ltrs	HP
	cfm	M ³ /H	Kg/CM ² G	PSIG			
BE-5	2.98	5.05	7	100	1	45	0.5
BE-10/1	3.73	6.32	7	100	1	70	1
BE-15/1	6.78	11.49	8.79	125	1	92	2
BE-30 S	14.85	25.16	5.62	80	2	150	3
BE-75 S-1	23.90	40.50	5.62	80	2	225	5
BE-75 S-2	34.60	58.60	5.62	80	2	225	7.5
BE-100S	52.80	89.50	5.62	80	2	225	10
BE-125S	88.00	149.10	2.81	40	2	300	12.5
BE-200S	148.50	251.70	2.81	40	3	500	20

TWO STAGE COMPRESSOR

Model	Piston Displacement		Max. Pressure		No. of Cylinder	Air Receiver Ltrs	HP
	cfm	M ³ /H	Kg/CM ² G	PSIG			
BE-30 T-1	7.46	12.64	10.5	150	2	150	2
BE 30 T-2	9.79	16.59	12.3	175	2	150	3
BE 50 T	17.32	29.35	12.3	175	2	200	5
BE 75 T	26.40	44.74	12.3	175	2	225	7.5
BE 100 T	31.84	53.97	12.3	175	2	300	10
BE 150 T-1	36.30	61.52	10.5	150	2	300	10
BE 150 T-2	4.00	74.57	12.3	175	2	300	12.5
BE 150 T-3	49.50	83.90	12.3	175	2	300	15
BE 200 T	81.80	138.64	12.3	175	3	500	20
BE 300 T	98.19	166.42	10.5	150	3	500	25

Application

- Textile Industries
Pneumatic Operations in spinning, weaving & Processing Industries
- Pharmaceutical Industries
Blister pack Machines & Tablet / Capsule Coating
- Dairy Industries
FFS Machines
- Automobile Industries
Automobile Workshop
Cold & Hot Tyre Remoulding Machines
- Engineering Industries
Cleaning & Pneumatic Operation
Sand Blasting Machineries
- Chemical Industries
Spray Dryers & Pneumatic Diaphragm operated pumps.



Vertical Fine Boring & Facing

MULTI STAGE COMPRESSOR

Model	Piston Displacement		Max. Pressure		No. of Cylinder	Air Receiver Ltrs	HP
	cfm	M ³ /H	Kg/CM ² G	PSIG			
BE-30 MS	7.40	12.54	35.16	500	2	Base Plate	3
BE-125 MS	36.0	61.00	35.16	500	2	Air Receiver	12.5
PE-200 MS	49.5	83.90	70.32	1000	3	Mounted	20

Applications : Plastic Industries - PET Bottles Manufacturing units
Power Sector - Circuit breaking / making in electricity
board & start up application of D.G. Sets



DRY VACUUM PUMP

Model	Piston Displacement		Max. Vacuum (HG)		No. of Cylinder	HP
	cfm	M ³ /H	MM	INCH		
BE-15 / 1 SV	6.78	11.49	635.0	25.00	1	1.5
BE-30 SV	18.0	30.50	736.60	29.00	2	2
BE-30 TV	9.0	15.25	751.80	29.60	2	2
BE-75 SV	32.0	54.23	736.60	29.00	2	3
BE-75 TV	16.0	27.11	753.10	29.60	2	3
BE-100 SV	60.0	101.69	736.60	29.00	2	5
BE-100 TV	30.0	50.85	754.40	29.70	2	5
BE-125 SV	99.0	167.80	736.60	29.00	2	7.5
BE-125 TV	49.5	83.90	753.10	29.65	2	7.5
BE-200 SV	133.0	225.00	741.70	29.20	3	10
BE-200 TV	88.6	150.00	753.10	29.65	3	10

Applications : Hospitals, Ceramic Industries, Chemical Industries

Accessories for Compressed Air System



Automatic Drain Valve



Refrigerated Air Drier



Moisture Separator



Activated Carbon Filter



Heatless Air Drier



After Cooler



Block Boring & Honing Machine

Complete Solution for Engine Reconditioning Equipments



Model : BCB-125 & BCB-100
CYLINDER BLOCK BORING



Model : BCB-60 & BCB-80
BLOCK BORING



Model : BHM-80
HONING MACHINE

Cylinder Block Boring Machine

Model	BCB-125	BCB-100
Bore Dia (without stand)	65 to 125 mm	80 to 100 mm
Bore Length	275 mm	275 mm
Spindle Speed	1 Speed	1 Speed
Motor RPM (1440) 1Ph	0.5 HP	0.5 HP

Block Boring Machine

Model	BB-60	BB-80
Bore Dia (without stand)	38 to 60 mm	50 to 80mm
Bore Length	155 mm	180 mm
Spindle Speed	1 Sped	1 Speed
Motor RPM (1440) 1Ph	0.25 HP	0.25 HP

Honing Machine

Model	BHM-80
Bore Dia (with Stand)	38 to 80 mm
Bore Length	1275 mm
Spindle Sped	1 Sped
Motor RPM (1440) 1 Ph	0.5 HP
Coolant Pump (1 Ph)	0.15 Hp

Car Washer & Grease Pump

CAR WASHER

Model	BCW-1	BCW-2	BCW-3
Piston	1	2	3
HP	1.5	3	4
RPM	950	600	540
Suction Capacity	10	18	22
Pressure in PSI	300	600	1000
Suction Delivery Size in mm	12x12	12x12	12x12
Spray Nozzel	6	12	20

GREASE PUMPS	Hand	Hand	Hand	Pnuematic	Pnuematic
Model	BEG-5	BEG-10	BEG-20	BEG-25	BEG-50
Drum Capacity	5 Kg	10 Kg	20 Kg	25 Kg	50 Kg
Output Pressure Approx	3 gm/stroke	3 gm/stroke	3 gm/stroke	300-400 gm/min	300-400 gm/min
Working Pressure	-	-	-	4-10 Kg/cm2	4-10 Kg/cm2
range of Air					
Recommended Working	-	-	-	8-Kg /Cm2	8-Kg/Cm2
Pressure of Air.					
Normal Blocked Pressure	140 kg/cm2	140 kg/cm2	140 kg/cm2	400 Kg./Cm2	400 Kg/Cm2



GREASE PUMP
Hand Operated



GREASE PUMP Pnuematic



CAR WASHER

Bolt Threading Machine



- Special Features
- The Spindle Bore 40 mm Fitted with Taper Bearing
- The Machine Has Two Speeds 60 & 90 RPM
- All Gears are Tempered (Oil Seals 42-12-65)
- Motor Pulley 12" Diameter, V-belt Drive Vice Fitted with Jaw
- All the Gears are made of cast hardened Steel.
- Noiseless Operation

MODEL	B-25	B-40	B-65
Capacity	1/4" to 1"	3/8" to 1.1/2"	1/2 to 2.1/2"
Length of Bed	44"	52"	72"
Width of Bed	11"	12.1/2"	14.1/2"
Height of Bed	11"	12.1/2"	14.1/2"
Length of Pedestal Box	44"	52"	22" x 22.20" x 16"
Width of Pedestal Box	18"	19"	21"
Height of Pedestal Box	20"	20"	-
Length of Slide	17"	18"	20"
Width of Slide	11"	12"	14.1/2"
Height of Slide	3"	3"	4"
Length of Head	14.1/2"	15.1/2"	17"
Width of Head	11"	12"	23"
Height of Head	11.1/2"	12"	14.1/2"

Hex Nipple Threading Machine

- Special Features
- The Spindle Bore 40mm Fitted with Taper Bearing
- The Machine has two Speeds 60 & 90 RPM
- All Gears are tempered (Oil Seals 42-12-65)
- Motor Pulley 12" Diameter, V-belt Drive Vice Fitted with Jaw
- All the Gears are made of Cast Hardened Steel.
- Noiseless Operation



MODEL	N-52
Capacity	3/8" to 1.1/2"
Length of Bed	52"
Width of Bed	12.1/2"
Height of Bed	12.1/2"
Length of Pedestal Box	52"
Width of Pedestal Box	19"
Height of Pedestal Box	20"
Length of Slide	18"
Width of Slide	12"
Height of Slide	3"
Length of Head	15.1/2"
Width of Head	12"
Height of Head	12"



Construction Machinery



10/7 cft CONCRETE (Hydraulic Type Mixer)

Batch Capacity	: 200 lts. 10 Cft Unmixed / 7 Cft Mixed.
Power	: A : 7.5 H.P. Air Cooled Diesel Engine Mounted B : 7.5 H.P. 3 Ph. Electrical Motor
Houses	: ISI Mark High Pressure House to Circulate the oil
Loading Hopper	: Hydraulic Operated Heavy Duty Power patch
Chassis	: Heavy Duty Robust made form steel sections.
Handling	: 4 Nos. Pneumatic Tyre with Roller Bearing with Excel Shaft.



CONCRETE MIXER

Batch Capacity	: 200 lts. 10 Cft Unmixed / 7 Cft Mixed.
Transmission	: Drive from the engine is provided with roller chain & sprockets. The drive to loader shaft is through a con clutch & chain The machine can be operated by Diesel engine or Electric Motor.
Power Requirement	: A : 6.5 H.P. 1500 RPM Air or Water Cooled Diesel Engine B : 7.5 H.P. 3 Phase 1440 RPM A.C. Drive Electric Motor
Handling	: 4 Nos. Pneumatic Tyre with Roller Bearing with Excel Shaft.



CONCRETE MIXER WITHOUT HOPPER

Batch Capacity	: 200 lts. 10 Cft Unmixed / 7 Cft Mixed.
Batch Capacity	: 140 Lts. (7/5 Cft.)
Power	: A : 5 H.P. 1500 RPM Air Cooled Diesel Engine B : 3 H.P. 3 Phase 1440 RPM AC Drive Electrical Motor
Handling	: 4 Nos. Pneumatic Tyre with Roller Bearing with Excel Shaft.



CONCRETE MIXER - HALF BAG

Batch Capacity	: 100 lts. (5 / 3.5 Cft.)
Transmission	: Through "V" Groove Pulley
Power	: 5 H.P. Air Cooled / Water Cooled Diesel Engine or 2 H.P. 1 Phase Electrical Motor

Construction Machinery

Weight Batcher

Capacity :
2 Hoppers of 250 Kg Capacity
each to receive sand and metal

Chassis :
Heavy duty robust made out of
heavy steel section.

Transmission :
By mechanical joints provided
with dust covered bearings.

Weighing System :
Pan weight of 50 and 100 kg
and jockey weight to adjust the
weight from 0 kg to 50 kg's



Slab Trolley with Rails

Fully Manually operated equipment for slab casting

Capacity : 500 Kg (Net weight)
or 0.3 cubic meters

Trolley : For easy material
ejection, swivels in 360 around its
axis and can be tilted at 90.

Rails : Made with 40mm dia.
pipe with left and right bends.

Wheels : C.I Heavy duty wheels
with ball bearings.

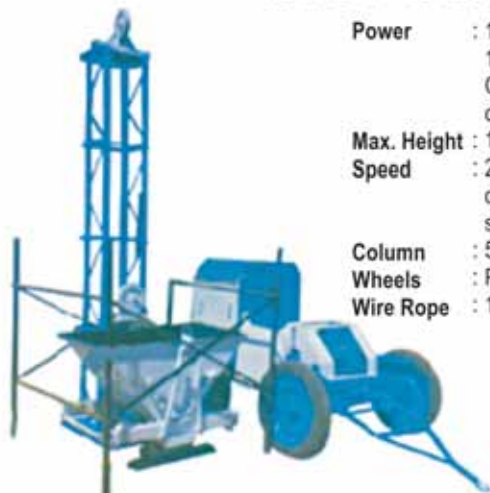


Tower Hoist (Angle Type)

Power : 10 HP Diesel Engine or
10HP Elec. Motor
Capacity : 750 Kg gross load
carrying capacity

Max. Height : 110 ft
Speed : 25mtr / min but can also be
designed according to the
specific requirement

Column : 50 x 50 x 5 mm angle
Wheels : Pneumatic Wheels
Wire Rope : 12mm steel core



Tower Hoist (Chanal Type)

Power : 12.5HP Diesel Engineer or 15HP Elec. Motor

Capacity : 1000Kg gross load carrying capacity

Max. Height : 200 Ft

Speed : 33 mtr / min but can also be designed
according to the specific requirement

Wheels : Pneumatic Wheels

Wire Rope : 12mm steel core



Vibrating Plate Compactor

Plate Size : 610x445 mm. (24x18ins.)
Compacting Surface : 0.26 Sq. Meters (2.88 Sq. Ft.)
Height : 648 mm. (25.5 ins.) with handle
extension removed.

Width : 630 mm (28 ins.)
Weight : 150 Kg. Approx
Centrifugal Force : 1.811 Kg (3.995 lbs.) (Vibrating unit)
Vibration Frequency : 5600 v.p.m maximum
Forwarding Motion : 14 to 20 Meters per minute
(45 to 85 per min.) Depending upon
back till or surface conditions.

Power :
A : 3H.P 3 Phase 2800 R.P.M
B : 5H.P Diesel Engine.



Concrete Block Machine

Three main sections the frame, the mould box and
stripper head and the vibrator unit.

OUT PUT : 1000 - 1200 blocks in 8 Hours.

PRIME MOVER : Electric motor
2H.P 50 Cycle 400/440 Volt,
3 Phase, 1440 R.P.M

MAINTENANCE : The machine should
be kept lubricated at all points where
grease caps have been provided.





Wood Working Machine

Surface Cum Thickness Planner with Circular Saw Attachment



Size : 10", 13", 15", 18", 24"

Thickness planner Machine with Auto Mould



Size : 12", 18", 24", 30"

Surface Planner with Circular Saw Attachment



Size : 6", 8", 9", 12", 18", 24"

Double Auto Mould



Table Size : 18"x6"

Auto Mould



Table Size : 18"x6"

Tilting Arbor Spindle Moulder



Size : 33"x30"

Spindle Moulder



Size : 30"x30" & 33"x33"

Chisel Mortiser



Size : 27" x 6"

Chain Mortiser Economy Model



Size : 22" x 9"

Chain Mortiser Heavy Duty



Size : 22"x11" & 22"x9"

Tenoning Machine



Table Size : 21"x8"

Router Machine



Throat Clearance : 15"

High Speed Router



Throat Clearance : 14"

Belt & Disc Sander



Sanding Belt Size : 6" x 48"

Jig Saw



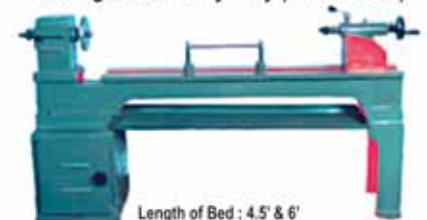
Size : 18", 24", 36"

Adjustable Circular Saw



Size : 12", 18", 24"

Turning Lathe Heavy Duty (Floor Model)



Length of Bed : 4.5' & 6'



Blade Grinder Heavy Duty Gear Type
Size : 13", 18", 24", 30"



Blade Grinder Grinding Capacity
Size : 13" & 18"



Size : 4.1/2', 6', 8'

Wood Working Machine

Bench Grinder



Cap.: 1HP 2800 RPM 1/3 Phase

Teeth Setting Machine



Cap.: 1" to 3" width Bandsaw Blade
Ele.Motor : 0.25HP, 3 Phase, 960 RPM

Automatic Bandsaw Blade Sharpener



Cap.: 1" to 3" width Bandsaw Blade
Ele.Motor : 1HP, 3 Phase, 2800 RPM

Bandsaw Machine



Size : 9" to 36"

Horizontal Bandsaw



Auto Feed Finger Jointing Machine



Moulding Cutter & T.C.T. Circular Grinder



Chain Saw Machine



Dust Collector



Panel Process Machine

Edge Bander



Edge Trimmer



Multi Boring



Post forming Machine



Sliding Panel Saw



For Lathe Machine

True Chuck



Size : 75mm to 600mm

Independent Chuck



Size : 150mm to 1800mm

Key Way Attachment



Size : 75mm & 125mm

Tapper Turning Attachment



Hydraulic Copy Turning Attachment



Revolving Centre ISI Pipe Centre



coolant Pump with Tank & Assembly



Tool Post Grinder



Size : 150mm to 200mm

Quick Change Tool Post with multi tool holder



For Milling Machine

Dividing Head



Size : 4.1/2", 5.1/2", 6.1/2"

Rotary Milling Table Horizontal



Size : 6" to 20"

Milling Machine Vice Swivel Base



Size : 4", 5", 6", 8", 10", 12"

Swivel Angle Vice



3 Way Universal Tilt
Size : 4" * 6"

Universal Machine Vice



Size : 3", 4", 6"

Tilting & Swiveling Vice



Size : 3", 4", 6", 8"

Collet Adaptor



Collet



Vertical & Slotting Attachment

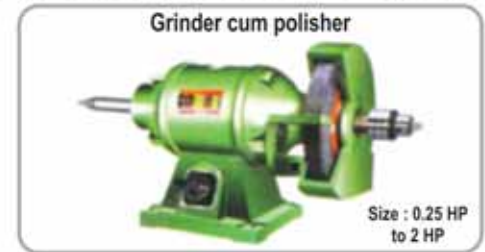


Rack cutting Attachment

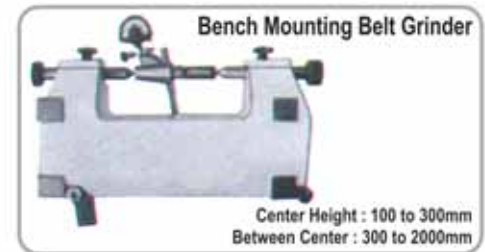
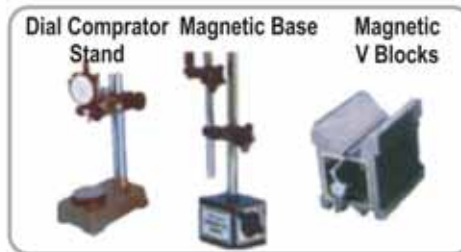
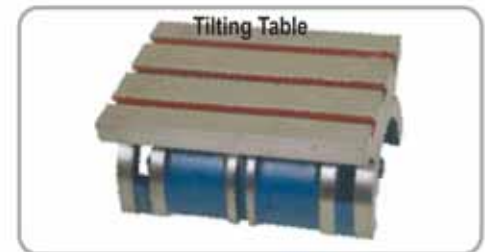


Grinders

General Machines Accessories



Other Accessories



For Lathe Machine

Mechanic's Bench Vice



Size : 3", 4", 5", 6", 8", 10", 12"

Unbreakable Steel Bench Vice



Size : 3", 4", 5", 6", 8"

Drill Vice (Heavy Duty)



Size : 3", 4", 5", 6", 8", 12"

Self Centering Vice



Size : 2", 3", 4"

Magnetic Drill Stand



Size : 25mm, 32mm

Hand Operated Threading M/c.



Cap.: 3/16" to 3/4", 5/16" to 3/4", 3/4" to 1"

Tapping & Threading M/c.



Cap.: 1/4" to 2"

Turning & Facing M/c



Cap.: 1/2" to 2"

Tapping Attachment



Size : 1.4-7mm
8 - 12mm
8 - 20mm
14-30mm

Tapping M/c.



Cap.: 6mm

Tapping M/c.



Size : 12mm, 20mm

Drilling Cum Tapping M/c.



Size : 20mm, 25mm

Cut off Machine



Size : 10", 12", 14", 16"

Conduit Pipe Bending Machine



Size : 5/8" to 1"
14 to 24 Gauge
for Aluminium
copper &
Steel

Hydraulic Pipe Bending



Size : 3/8", x 1" to 2" x 6"

Hydraulic Test Pump



Size : 500Lbs
(35 Kg/cm²)
to 10,000 Lbs
(705 Kg/cm²)

Hand Operated Spur Gear Chain Pulley Block



Cap.: 1000 Kg to 10000 Kg

Electric Operated Spur Gear Chain Pulley Block



Cap.: 1000 Kg to 10000 Kg

Monorail Gear Trolley



Cap.: 1000 Kg to 10000 Kg

Wire Rope Hoist



For OEM Customer

Gear Box, Geared Motor, Blower etc.

**NU-V
Gear Box**



Normal Ratio :
5:1 to 70:1

**NU
Gear Box**



Center : 2" to 12"

**Cast Iron
Blower**



Size : 0.09 to 1 HP
1Ph / 3 Ph

Horizontal Fix Foot Mounted Type



Normal Ratio : 5:1 to 70:1

FFV Vertical Upward Unit



Center 2" to 12"

**Fabricated
Centrifugal
Blower**



Size : 0.25 to 30 HP

Foot Mounted Geared Motor



Cap. : 0.5 to 50 HP
RPM : 1 to 400

Flange Mounted Geared Motor



Cap. : 0.5 to 50 HP
RPM : 1 to 400

D.C.Motor



Size : 0.25 to 30 HP

3 Phase Electric Motor



0.5 to 50 HP

Rotary Oil Gear Pump



For transfer of oil &
viscous liquid

Size : 1/2" x 1/2" to 3" x 3"

Oil-burner



Model : LAP 00 to 4 Oil Connection : 3/4" to 1.1/4" BSP

Welding Machines & Power Tools

Mini Welding



100 & 150 Amp 1 Ph.

Stud Type Welding



150 to 400 Amp - 1-2 Ph

Regulator Type Welding



200 to 600 Amp - 2 Line 3 Ph

D.C Rectifier



300 to 600 Amp

Spot Welding



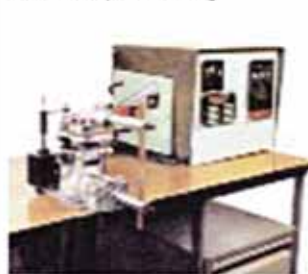
6 to 20 KVA

Hand Operated
Portable Spot Welding



1.5 & 2.5 KVA

Table Mounted
Portable Spot Welding



3 KVA

Wire
Butt
Welding



Cap.: 2 to 8 mm

Bandsaw Butt Welding



For 1/8"-1", 1/4"-1 1/2" wide blades

Sub Merge
Arc Welding



300, 400, 600 Amp

Mig / Tig
Welding



250 / 400 Amps

Seam
Welding



50 to 200 KVA

Light Duty Drill



6mm 10mm

Heavy Duty Drill



13mm, 20mm & 25mm

Straight Grinder



100mm & 150mm

Angle Grinder



100mm, 180mm & 230mm



PARMO MACHINES PVT. LTD.

Rajkot, (Gujarat) INDIA.