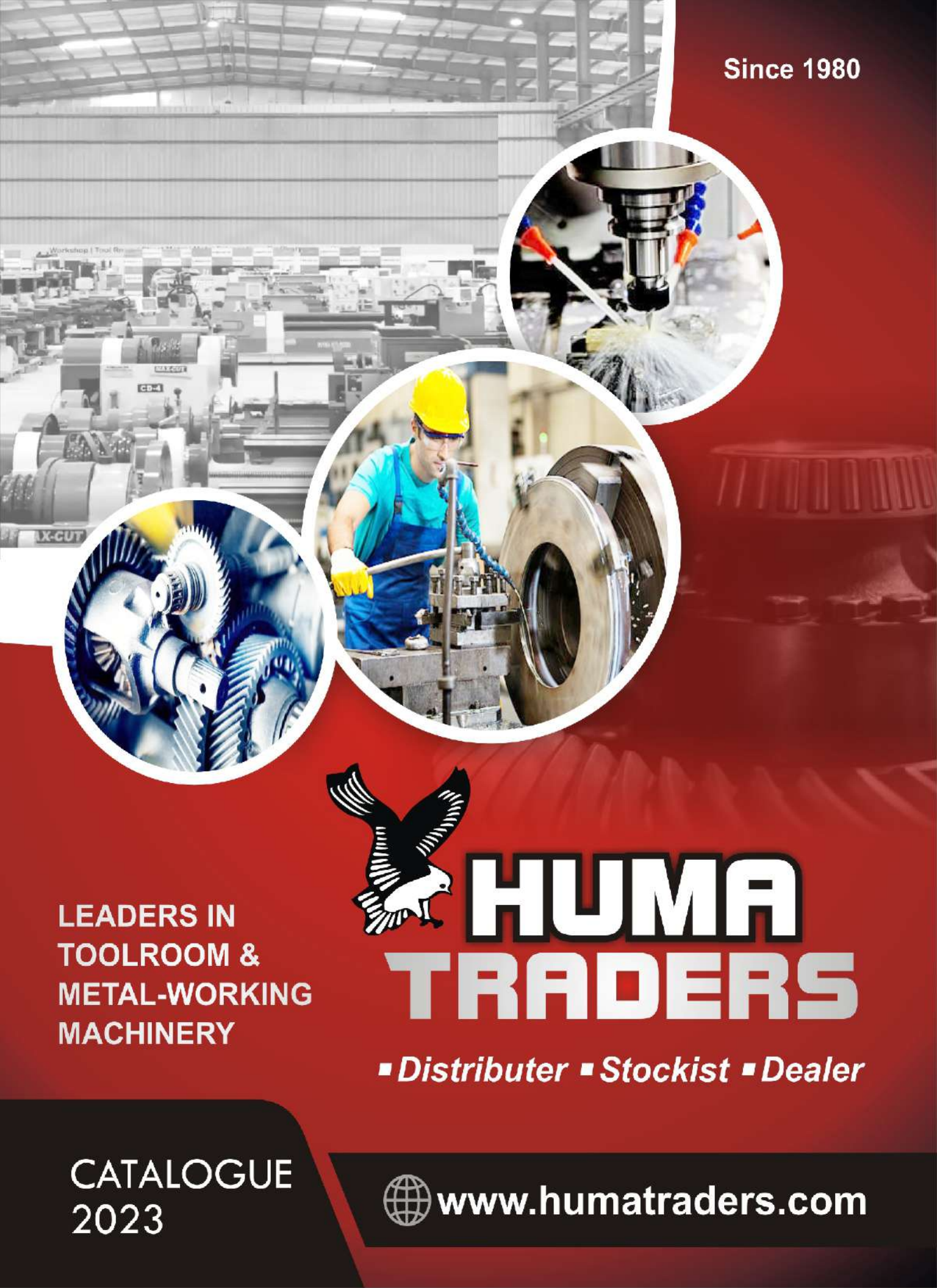


Since 1980



LEADERS IN
TOOLROOM &
METAL-WORKING
MACHINERY



HUMA TRADERS

▪ Distributer ▪ Stockist ▪ Dealer

CATALOGUE
2023



www.humatraders.com

All Precision Machines under One Roof



HUMA TRADERS
Since 1980

SPECIFICATIONS

STANDARD ACCESSORIES

- 1 Four Position Tool Post
- 2 Tool Post Spanner
- 3 Chuck Plate
- 4 Center Adaptor
- 5 Dead Center (m.t.3/m.t.4-2nos.)
- 6 Thread Dial Indicator
- 7 Change Gear Set
- 8 Motor Pulley

EXTRA ACCESSORIES

- 1 Face Plate
- 2 Carrier Plate
- 3 Steady Rest
- 4 Follow Rest
- 5 Real Tool Post
- 6 Ape Turning & Attachment
- 7 Coolant Pump & Fitting With Tank
- 8 Machine Lamp
- 9 Full Norton Gear Box
- 10 Key Way Cutting Attachment
- 11 tool Post Grinder
- 12 Independent Chuck
- 13 Self Centering Chuck
- 14 Electric Motor
- 15 R/f Switch

LIGHT DUTY

Model	Length	ABC*	Weight*
L-1	1370 mm	635 mm	430 Kg.
L-2	1600 mm	865 mm	470 Kg.
L-3	1830 mm	1090mm	490 Kg.

MEDIUM DUTY

Model	Length	ABC*	Weight*
M-1	1370 mm	405 mm	575 Kg.
M-2	1600 mm	635 mm	650 Kg.
M-3	1830 mm	865 mm	675 Kg.
M-4	2135 mm	1170 mm	750 Kg.

HEAVY DUTY

Model	Length	ABC*	Weight*
H-1	1675 mm	430 mm	1050 Kg.
H-2	2135 mm	890 mm	1200 Kg.
H-3	2740 mm	1500 mm	1400 Kg.
H-4	3050 mm	1800 mm	1650 Kg.
H-5	3660 mm	2410 mm	1900 Kg.

ABC* = Admit Between Center
Weight* = Approximate Weight

Specification

Light Duty

Medium Duty

Heavy Duty

CAPACITY

Height Of Center	165 mm	215 mm	254 mm
Swing Over Bed	325 mm	425 mm	490 mm
Swing Over Cross Slide	175 mm	239 mm	290 mm
Movement Of Cross Slide	225 mm	250 mm	300 mm
Swing in Gap	500 mm	620 mm	800 mm

BED

Bed Type2	V & 2 Flat2	V & 2 Flat2	V & 2 Flat
Bed Width	241 mm	279 mm	325 mm
Length Of Gap in Bed	110 mm	110 mm	150 mm
Length Of Gap in Front Of Face Plate	125 mm	125 mm	200 mm

MAIN SPINDLE

Size Of Threaded Spindle Nose	8 T.P.I 60mm	6 T.P.I 75 mm	6 T.P.I 75 mm
Taper Bore In Spindle	MT - 5	MT - 6	MT - 6
Taper Bore In Spindle Sleeve	MT - 3	MT - 4	MT - 4
Spindle Bore	40 mm	52 mm	52 mm
Spindle Drive	Single V-Belt	Double V-Belt	Double V & Flat Belt
Spindle Bearing Front	TRB 32212	TRB 32214	TRB 580572/51114
Spindle Bearing Rear	TRB 32211	TRB 32213	TRB 32214/51114

TAIL STOCK

Spindle Diameter	38.1 mm	50.8 mm	50.8 mm
Taper Bore In Spindle	MT - 3	MT - 4	MT - 4
Spindle Travel	115 mm	150 mm	190 mm

COMPOUND SLIDE

Travel Of Compound Slide	120 mm	150 mm	150 mm
Tool Shank Section	22 x 22 mm	25 x 25 mm	25 x 25 mm
Swivelling Degree	45 - 0 - 45	75 - 0 - 75	90 - 0 - 90

SPEED

No. Of Speeds	8	8	8
Range	35 to 825 RPM	40 to 550 RPM	25 to 475 RPM

THREAD / NO. RANGE

Lead Screw Diameter & Pitch	25.4 mm x 4 TPI	31.75 mm x 4 TPI	44.45 mm x 2 TPI
Metric	0.5 to 7 mm / 21	0.5 to 7 mm / 21	1 to 6 mm / 13
Inch	4 to 48 TPI / 29	4 to 48 TPI / 29	1 to 24 TPI / 20

ELECTRICAL

Main Motor (1440 RPM-AC 3 Phase)	1 H.P./ 440 V	2 H.P./ 440 V	3 H.P./ 440 V
Motor Belt	B 52	B 60	B 72

Note : 1. All Above Information Are Subject To Changes Arising Out Of Continuous Product Improvement.
2. Photograph Of Machine At Title Page Of This Brochure Is Our Light Duty Deluxe Model.

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Admit Between Centers

Size	CD-4	CD-5	CD-6	CD-7
9'	1400	1400	1350	1250
10'	1700	1700	1650	1550
12'	2300	2300	2250	2250
14'	2900	2900	2850	2750
16'	3500	3500	3450	3350
18'	4100	4100	4050	3950
20'	4700	4700	4650	4550
22'	5300	5300	5250	5150
24'	5900	5900	5950	5950
30'	6500	6500	6500	6500

- 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 Tool Post
Tapper Turning Attachment ● Coolant Pump with Tank & Fittings
Machine Lamp Rear Tool Post ● Norton Gear Box

Extra Heavy Duty Lathe V-Belt Drive

Model	CD-4	CD-5	CD-6	CD-7
Capacity				
Height of centre (mm)	500	500	600	750
width of Bed (mm)	500	550	600	750
Max. Swing (mm)				
Over Bed	1000	1100	1200	1500
Over Slide	700	800	900	1200
In Gap	1280	1360	1450	1750
Spindle				
Bore (mm)	100	100	125	125
Nose	6 TPI	6TPI	6 TPI	6 TPI
Speed -8 (RPM)	30 to 250	30 to 250	30 to 250	10to150
Travel (mm)				
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 (H.P.)	7.5	7.5	10	10

All-Geared Lathe Machine

Gear Box with Lead Screw & Shaft Separate

Model	PRH-250	PRH-300
Capacity		
Height of Center	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	60 to 1550	40 to 1350 (16)
TRAVEL		
Cross slide	260	325
Top Slide	150	150
Sleeve	170	15
OTHERS		
Lead Screw TPI.	4	4
Tail Stock Sleeve MT.	4	4
Main Motor (H.P)	3	5



Model	Bed Length	A.B.C
PRH-250/300	7'	1000 mm
	9'	1600 mm
	10'	1900 mm
	12'	2500 mm
	14'	3100 mm

- 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 Tool Post
Tapper Turning Attachment ● Coolant Pump with Tank & Fittings
Machine Lamp Rear Tool Post ● Norton Gear Box

All Precision Machines
under One Roof



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High Precision Pillar Drilling Machine

All Parts Finished on imported Machine

Closed grain Cast Iron

Column Arm, Work Head & Gears

EN Forged Steel

Main Spindle & Pinion

Alloy Steel

Spindle Ram

Parts finished on Grinding Machine

All moving parts finished to close Tolerance

Parts Properly balance prior assembly

Main Gear & Pulley

	PSL-40/A			
MODEL	PS-25	PSL-40	PSL-40X	All Geared
Drilling Capacity	25mm	40mm	40mm	40mm
Spindle Nose	MT-3	MT-4	MT-4	MT-4
	180mm	250mm	250mm	215mm
No. of Spindle Speed	8	8	8	8
Spindle Speed (RPM)	130-2600	70-2000	60-2000	90-1000
Base to Spindle Nose	1045	1050	1000	1040
Electric Motor	1 H.P.	1.5 H.P.	1.5 H.P.	2 Speed

Drilling Cum Milling Machine



Surface Milling



Slotting



Drilling



Tapping

MODEL	SI-6DMU	R-40
Drilling Capacity	40mm	40mm
Spindle Nose	MT-4	MT-4
Spindle Travel	170mm	220mm
Center of Spindle to Column	280mm	305mm
Column Dia	114	130
No. of Spindle Speed	8	8
Spindle Speed (RPM)	75-2070	70-2070
Dilling Motor H.P.	1.5 H.P.	1.5 H.P.

Note : Auto Feed & All Geared Model Also Available.





Fine Feed Radial Drilling Machine

All Parts Finished on imported Machine

Closed grain Cast Iron

Column Arm, Work Head & Gears

EN Forged Steel

Main Spindle & Pinion

Alloy Steel

Spindle Ram

Parts finished on Grinding Machine

All moving parts finished to close Tolerance

Parts Properly balance prior assembly

Main Gear & Pulley

MODEL	R-25	R-40
Drilling Capacity	25mm	40mm
Pillar Dia.	130	170
	MT-3	MT-4
Dist. From Spindle to Pillar Surface	875	995
Spindle Travel	185mm	215mm
No. of Spindle Speed	8	8
Spindle Speed (RPM)	130-2300	70-2000
Dilling Motor	1 & 0.5 H.P.	1.5 & 0.5 H.P.

Auto Feed 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 Grinding Machine

All moving parts finished to close Tolerance

Parts Properly balance prior assembly

Main Gear & Pulley

MODEL	R-40A
Drilling Capacity	40mm
Pillar Dia.	170
Spindle Nose	MT-4
Dist. From Spindle to Pillar Surface	995
Spindle Travel	215mm
No. of Spindle Speed	8
Spindle Speed (RPM)	70-2000
Dilling Motor	1.5 & 0.5 H.P.



All Precision Machines under One Roof



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"C" Type Power PRESS

Frame : The Frame is made of steel construction and their heavy cross section and rigid design assure minimum deflection and accurate alignment. cast iron legs will be supplied up to 30 Tons press.

Crank Chaft : Made of Spacial Alloy Steel

Gears & Clutch : Gears are made of Cast iron & Clutch is provided of Pin Rolling Key Rigid Type for mass production & Clutch for continous stroke

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

DESCRIPTION	5	10	20	30	50	75	100	150	200	250
Crank Shaft Dia.	51	60	76	83	105	121	134	152	158	165
Stroke Adj.	6-25	6-25	13-51	13-63	13-76	115	127	152	158	165
Hole in Ram	25	25	32	38	38	45	51	57	63	63
Hole in Bed	63	76	83	89	127	127	178	191	260	229
Dist. Bed to Ram	153	205	280	292	406	483	483	495	519	544
Stroke Per Minute	85	75	60	60	55	50	45	40	30	30
H.P. Require	0.5	1	2	3	5	7.5	10	15	20	25

All Geared Universal Milling Machine

Model	MAC 3UE	MAC 4UE
TABLE		
Working Surface	1400 x 330	1600 x 350
Swivel	+ 45 Deg	+ 45 Deg
longitudinal Travel-X	800	100
Cross Travel-Y	260	340
Vertical Travel-Z	510	600
FEEDS		
No. Of Feeds	18	18
Long. Feed/min	23-420	23-420
Cross Feed	23-420	23-420
Vert. Feed/min	3-70	3-70
Rapid Long & Cross / Min	1050	1050
Rapid Vertical Min	175	175
SPINDLE		
Speed RPM/Speed	40 to 1200 (12)	40 to 1200 (12)
Spindler Taper	ISO 40	ISO 40
Arbor Diameter	25.4	32
Main Motor	5 H.P.	7.5 H.P.
Feed Motor	2 H.P.	3 H.P.



All Precision Machines
under One Roof



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Mechanical Shearing Over Crank

Model	CAP	Blade Width	Blade Thickness	Stroke Per Minute	Hold Down Knife edge	Machine L x W x H	Motor
TOS-1	1270x6	75	18	30	45	2350x2150x2600	7.5
TOS-2	1525x6	75	18	30	45	2575x2150x2600	10
TOS-3	2030x6	75	22	25	45	3100x2200x2700	10
TOS-4	2540x6	75	22	25	50	3500x2200x2700	12
TOS-5	3125x6	75	22	25	50	4250x2200x2700	15
TOS-6	1525x8	75	22	25	50	2800x2000x2500	12.5
TOS-7	2030x8	75	22	25	50	3150x2150x2650	12.5
TOS-8	2540x8	75	22	25	50	3600x2200x2650	15
TOS-9	3125x8	75	22	25	50	4350x2250x2700	20
TOS-10	2030x10	100	25	25	75	3225x2250x2700	15
TOS-11	2540x10	100	25	20	75	3650x2450x2750	20
TOS-12	3125x10	100	25	20	75	4300x2550x2800	25
TOS-13	2030x13	100	28	25	75	3350x2500x2800	20
TOS-14	2540x13	100	28	20	75	3600x2700x2900	25
TOS-15	3125x13	100	28	20	75	4400x2800x3000	30

Mechanical Press Brake

Model	CAP	Bending Cap	Dist Bet.	Stroke Per	Stroke Per	Ram	Shut	Height	Table	Depth of	HP
		L x W	Housing	Length	Minute	Adj.	Ram	Strock	Height	Throat	
RPB-1	20	1525 x 1.6	1120	50	32	25	200	760	250	5	
RPB-2	25	2030 x 1.6	1220	50	32	25	200	760	250	7.5	
RPB-3	65	2030 x 4	1220	76	32	40	250	800	275	7.5	
RPB-4	80	2540 x 3.25	1700	76	32	40	250	800	275	10	
RPB-5	100	2540 x 4.5	1700	76	30	40	275	800	275	15	
RPB-6	100	3125 x 3.25	1700	76	32	40	275	800	275	15	
RPB-7	120	2540 x 6	1700	76	30	40	275	900	300	20	
RPB-8	140	2030 x 8	1420	76	30	40	275	900	350	25	
RPB-9	160	3125 x 6	1900	76	30	40	275	900	350	25	
RPB-10	200	3125 x 8	1900	76	30	40	350	900	350	30	





Shaping Machine

MODEL	TCS-18	TCS-24	TCS-30	TCS-36
Machine Size	18"	24"	30"	36"
Maximum Stroke	20"	26"	32"	38"
Len of Ram	36"	55"	58"	66"
Max. Dist. of Table to Ram	15"	19"	20"	20"
Min. Dist. of Table to Ram	2	2	2	2
Max. Vertical travel to tool slide	4	7	7	7
Len. and width of table top.	18 x 12	24 x 15	30.1/2 x 16	36 x 18
Len and width of table side	30 x 11	37.1/2 x 12	44 x 13	48 x 14
Len of cross slide	30	37.1/2	44	48
Width of Ram	10	12.5	12.5	13
No. of Speeds	3	4	4	4
HP Required (1440)	2	2	3	5

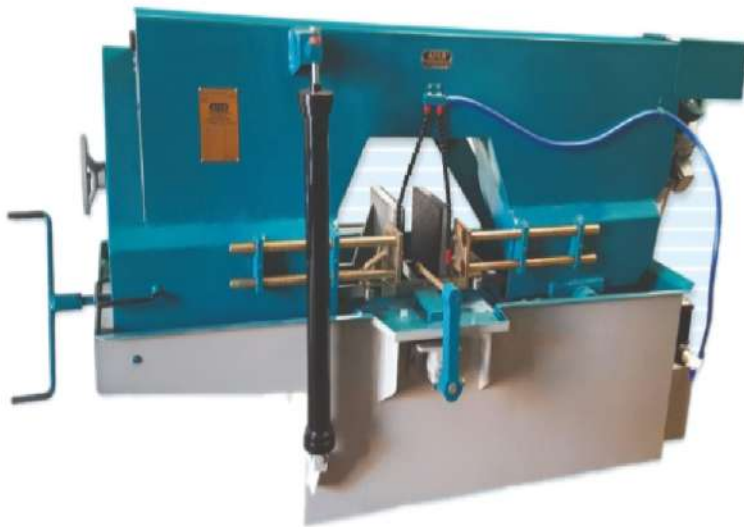
Slotting Machine

MODEL	TCS-150	TCS-250	TCS-300
Adjustable Stroke	10to150 mm	10to250mm	10to300 mm
Longitudnal Movement	200 mm	230 mm	260 mm
Cross Movement	100 mm	100 mm	145 mm
Speed Adjustment	3 speed	3 speed	3 speed
Ram Adjustment	150 mm	250 mm	300 mm
H.P.	H.P.	1.5 H.P.	2 H.P.

MODEL Tec 150	MODEL Tec 250	MODEL Tec 300
A-210 mm	A-330 mm	A-450 mm
B-310 mm	B-410 mm	B-625 mm
C-280 x 335 mm	C-280 x 335 mm	C-345 x 345 mm

Standard Equipments	Extra Equipments
1. Boring Bar	1. Rotary Table With 36:1 Ratio
2. Motor Pulley	Diameter-250 & 300 mm
Counter V-Belt	2. Electric Motor
	3. Switch
	4. True Chuck
	5. V-Belt





Metal Cutting Bandsaw



Double Column
Sizes Available
210 to 1500 mm

SINGEL COLUMN

MODEL	LX-1	LX-1HS	LX-2HS	LX-3HS
Round	175	175	300	350
Square	150 X 150	150 X 150	250 X 250	300 X 300
Drive Motor H.P, RPM	0.5, 1440	1, 1440	2, 1000	2, 1000
Coolant Pump H.P., Valts	0.15, 440	0.15, 440	0.15, 440	0.15, 440
Blade Size Mtr/min	25	20	20	20
	30	35	35	35
	35	55	55	55
		75	75	75

HYDRAULIC HACKSAW

Model :	APEX-14FH	APEX-16FH	APEX-18FH	APEX-21FH	APEX-24FH	APEX-32FH	APEX-36FH
Cutting Capacity							
(Round)	175	200	250	300	400	525	600
(Square)	150	160	200	250	300	450	525
(Flat)	175 x 50	200 x 75	250 x 75	300 x 100	400 x 100	525x150	600x150
Blade Length	350	400	450	525	600	800x750	900x800
Motor H.P. (1440 RPM)	1	1	1.5	2	3	3	5
"V" Belt	B 51 x A 31	B 54 x A 32	B 56 x A 34	B 60 x A 38	B 68 x A 41	B 72x45	B 75x48
Floor Space	450 x 1200	475 x 1250	500 x 1350	600 x 1500	775x1700	850x1800	925x1800
Height	900	950	975	1025	1125	1225	1300



All Type of Lathe Machine Spare Parts



24



SPEED CHANGE LEVER

25



HEAD STOCK BOSS

26

BEARING COVER
SET ALU.

27



RAM LOCK BUSH C.I.

28



WIPER SET ALU

29



REAL TOOL POST BODY

30



TOOL POST MAIN

31



MOTOR PULLEY

32



GEAR COVER SET

33



BACK GEAR P-BOSS

34



CARRIAGE WEDGE

35



CROSS SLIDE COMPLETE

36



CROSS SLIDE WEDGE

37



COMPUND DIAL BOSS

38



CROSS SLIDE SCREW+NUT

39



CENTER SCREW+NUT

40



COMPUED SCREW HANDLE

41



CROSS SLIDE NUT ONLY

42



CENTER SCREW NUT ONLY

43



HALF NUT

44



GRINDER TOLL STAND SET

45

CARRIAGE LOCK
PIECE LONG

46



HALF NUT WEDGE

47



CLUCH BOSS

48



SELF BOSS

49

APPRON WHEEL
BOSS OUT

50



SELF STAR

51



WARM GEAR SUPPORT

52



CONNECTING AARM

53



WARM GEAR SET

54

WARM GEAR
TAPPER BUCH

55



APPRON WHEEL

56



SPINDLE PULLY

57



COUNTER PULLY

58



AARA PULLY

59



COMPUND WEDGE

60



DIAL RING

61



CARRIAGE LOCK PIECE

62

COMPUND SCREW +
C.I. NUT

63

TAPPER TURNING
ATTACHMENT

64



CHUCK PLATE

65



FACE PLATE

66



STEADY REST PIN (GN)

67



STEADY REST PIN BEARING

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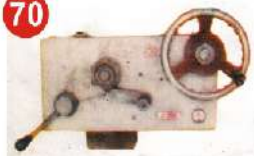
GEAR

69



RACK

70



APPRON

71



DRILL VICE

72



COMPUND SLIDE WITH SHAPING

73

STEADY REST PIN
(3 PIN) READY

74



COMPOUND SLIDE COMPLETE

75



TWIN BRACKET

76

STEADY REST PIN
(2 PIN) READY

77



TOOL POST KEY

78



TOOL POST BOLT

79



TOOL POST STUD

80



TOOL POST TOPO

81



TOOL POST HANDLE

82



TOOL POST WISHER

83



T-BOLT

84



HEADSTOCK SETTING DATTA

85



CHAIN GEAR WISHER

86



HELICAL SHAFT COLAR

87



PLUNGER

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P-BOSS SHAFT+COLLAR

89



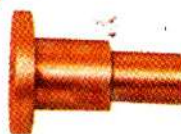
TWIN LIVER PIN

90



TWIN BIG PAIN

91



TWIN SMALL PIN

92



TWIN BUTHI PIN

93



TWIN FISH (ALU.)

94



TWIN FISH (G.M.)

95



RAM T-KEY

96

RAMLOCK HANDLE
+ DATTI

97



CROSS SLIDE HANDLE

98



LEADING SCREW COLLAR 1.25

99



TAIL STOCK FORGING BOLT

100



CARRIAGE OIL CUP SET





Salient Features :

- Alloy Cast Beds With Brinell Hardness & Precision Ground.
- Apron Are Made Of Alloy Steel & Alloy Cast With Gunmetal Bushes & Ball Bearings.
- Screws & Shafts Made From Special Steels With Gun Metal Nuts & Gun Metal Bushes.
- Hardened & Precision Ground Main Spindle & Tail Stock Spindle With Ground M.T.
- Highly Accurate Tapered Roller Bearing To Sustain Great Finishing & Loading Capacity.
- Tail Stock Screw Fitted With A Bearing.
- Four Way Tool Post With A Lock Pin.
- Main Dish Fitted With A Instruments Box & Tool Box.
- All Graduated Dial Are Made Of Aluminum & Handle Knobs Also.
- All Regular Working Screws, Shafts, Pins & Other
- Parts With Sursulf Nitriding. Long Time Accuracy.



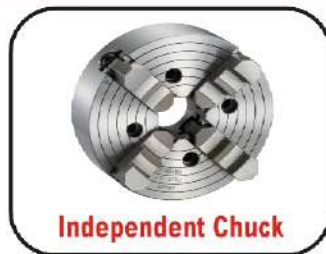
Light Duty



Medium Duty



Heavy Duty



We Thanks Our : Valuable Customers

**Tesla | Dolatram | Sun Field | MGM | Promt Engineering | Bend Joint
Lifetack | Kocher Glass | Excel Share | Hari Engineering | Global**

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