

## ALL GEARED PRECISION LATHES



### **BED**

2V & 2 Flat type made of close grained cast iron. Robust and heavily ribbed walls with wide openings to facilitate easy flow of chip. Guide ways are hardened and precision ground.

### **HEAD STOCK**

All geared type. Gears are made from alloy steel & are hardened & precision ground.

### **FEED BOX**

Universal feed box to cut metric Module inch & D. P. Treads

### **TAIL STOCK**

Moves on 'V' & flat guide of the bed. Cross movement is incorporates for turning of slight tapers.

### **MAIN SPINDLE**

Made from alloy steel hardened & ground. Supported by precision taper roller bearings.

### **STANDARD EQUIPMENT**

Electrical suitable for standard 3 phase 415 V, 50 Hz. AC supply. Slotted tool block. Back plate. One reduction sleeve metric MT5-MT3 Centres. set of service tools instruction manual.

## STANDARD ACCESSORIES

1) Electrical equipment suitable for 415 Volts, 3 phase, 50 Hz AC Supply 2) Swarf tray 3) Splash guard 4) Set of Spanner  
5) Operating instructions & Spare parts Manual. 6) Chuck Plate 7) Spindle Reduction Sleeve 8) Dead Center -2 Qty

SPECIFICATIONS		SIGMA 400/1000	SIGMA 500/1000	SIGMA 500/1500
<b>CAPACITIES</b>				
Height of center	mm	200	250	250
Swing over bed	mm	400	500	500
Swing over cross slide	mm	210	280	280
Movement of cross slide	mm	200	250	250
Distance between center	mm	1000	1000	1500
<b>CAPACITIES</b>				
Bed type		2V & 2 Flat	2V & 2 Flat	2V & 2 Flat
Bed width	mm	279	279	279
<b>MAIN SPINDLE</b>				
Type & size of spindle nose		Threaded	Threaded	Threaded
Taper bore in spindle		MT 5	MT 6	MT 6
Bore in spindle	mm	40	50	50
<b>TAIL STOCK</b>				
Spindle diameter	mm	60	60	60
Taper bore in spindle sleeve		MT 3	MT 4	MT 4
Spindle travel	mm	140	140	140
<b>TOOL OR TOP SLIDE</b>				
Travel of top slide	mm	100	100	100
Tool shank section	mm	25 x 25	25 x 25	25 x 25
<b>SPEEDS</b>				
No. of speed		8	8	8
Range of RPM		40 - 1000	40 - 1000	40 - 1000
<b>FEEDS</b>				
No. of feed		54(0.028-1.59)	54(0.028-1.59)	54(0.028-1.59)
<b>THREAD NO. / RANGE</b>				
Metric	mm	20 / 0.5 -15	20 / 0.5 -15	20 / 0.5 -15
Module		20/0.1 to 2.25	20/0.1 to 2.25	20/0.1 to 2.25
Inch. TPI		32 /60 - 4	32 /60 - 4	32 /60 - 4
D.P.		32/12 to 60	32/12 to 60	32/12 to 60
<b>ELECTRICAL</b>				
Main motor		2.2/3 kw / H.P.	2.2/3 kw / H.P.	2.2/3 kw / H.P.
Power supply		415 Volts, 3 phase, 50 Hz AC Supply	415 Volts, 3 phase, 50 Hz AC Supply	415 Volts, 3 phase, 50 Hz AC Supply
<b>GENERAL</b>				
Weight (appx.)		1080 kg.	1180 kg.	1200kg.

**Special Heavy-Duty Lathe with extra Height, Speed, Feeds, apart from above model are available on request.**  
(We reserve the rights for modifications concerning design, dimension & weight. Pictures are not binding.)

# OUR PRODUCTS RANGE



CNC EDM (Pg. No. 03)



CNC EDM (Pg. No. 04)



ZNC EDM DC SERVO (Pg. No. 05)



ZNC EDM AC SERVO (Pg. No. 06)



CNC DRILL EDM (Pg. No. 07)



DRILL EDM (Pg. No. 08)



CNC WIRE CUT DC STEPPER (Pg. No. 09)



CNC WIRE CUT AC SERVO (Pg. No. 10)



LASER WELDING (Pg. No. 11)



HAND HELD LASER (Pg. No. 12)



FIBER LASER CUTTING (Pg. No. 13)



LASER MARKING/ENGRAVING (Pg. No. 14)



MIRO TIG WELDING (Pg. No. 14)



CNC ENGRAVING (Pg. No. 15, 16)



CNC WOOD ROUTER (Pg. No. 17)



SINGLE LIP GRINDER (Pg. No. 18)



Tapping Machine (Pg. No. 19)



DIGITAL READOUT (Pg. No. 19)



CONSUMABLES/SPARES (Pg. No. 20)



VERTICAL MOULDING (Pg. No. 21)



MILLING MACHINE (Pg. No. 22,23)



LATHE MACHINE (Pg. No. 24,25, 26, 27)



RADIAL DRILL MACHINE (Pg. No. 28, 29)



Tool and Cutter Grinder (Pg. No. 30,31)



**Registered Address :**

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