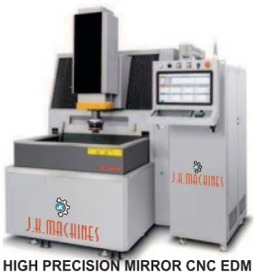
OUR PRODUCTS RANGE



CNC EDM NEXT GEN V1.1 (Pg. No. 03)



HIGH PRECISION MIRROR CNC EDM
AUTOMATIC LIFTING OIL TANK (Pg. No. 04)



CNC EDM (Pg. No. 05)



CNC EDM (Pg. No. 06)



ZNC EDM DC SERVO (Pg. No. 07)



ZNC EDM AC SERVO (Pg. No. 08)



DRILL EDM NEXT GEN (Pg. No. 09)



CNC DRILL EDM (Pg. No. 10)



WIRE CUT EDM STEPPER (Pg. No. 11)



WIRE CUT EDM SERVO (Pg. No. 12)



MOULD LASER WELDING (Pg. No. 13)



LASER MARKING/ENGRAVING
MICRO TIG WELDINNG (Pg. No. 14)



CNC ENGRAVING (Pg. No. 15 & 16)



CNC ENGRAVING (Pg. No. 15 & 16)



CNC WOOD ROUTER (Pg. No. 17)



CUTTER GRINDER'S (Pg. No. 18)



DIGITAL READOUT (Pg. No. 19)



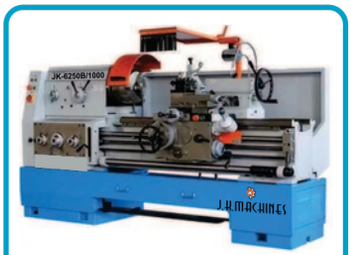
CONSUMABLES/SPARES (Pg. No. 20)



VERTICAL TURRET MILLING (Pg. No. 21)



HYDRAULIC SURFACE GRINDER (Pg. No. 22)



ALL GEARED LATHE (Pg. No. 23)



RADIAL DRILL MACHINE (Pg. No. 24)



VERTICAL MOULDING (Pg. No. 25)



ELECTRICAL SCOOTY (Pg. No. 26)

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
CAPACITIES				
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
CAPACITIES				
Bed type		2V & 2 Flat	2V & 2 Flat	2V & 2 Flat
Bed width	mm	279	279	279
MAIN SPINDLE				
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
TAIL STOCK				
Spindle diameter	mm	60	60	60
Taper bore in spindle sleeve		MT 3	MT 4	MT 4
Spindle travel	mm	140	140	140
TOOL OR TOP SLIDE				
Travel of top slide	mm	100	100	100
Tool shank section	mm	25 x 25	25 x 25	25 x 25
SPEEDS				
No. of speed		8	8	8
Range of RPM		40 - 1000	40 – 1000	40 – 1000
FEEDS				
No. of feed		54(0.028-1.59)	54(0.028-1.59)	54(0.028-1.59)
THREAD NO. / RANGE				
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
ELECTRICAL				
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
GENERAL				
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.)

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J.K. MACHINES

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