### SPECIFICATIONS of Lathe Machine

**Technical Specification of center lathe Machine**

1. Swing over machine bed Min. 350mm
2. Swing over cross slide Min. 190mm
3. Distance between centers Din 806-MT3 750-800mm
4. Turning Length 700-750mm
5. Width of bed Mini.260mm

**Work Spindle**

6. Spindle diameter in front bearing 60mm
7. Spindle Bore 35mm
8. Taper bore according to DIN 228(shortened) MT-5
9. Normal Chuck diameter 160mm
10. Max.diameter of face plate and clamping disk 315mm

**Tool Slide**

12 Graduation of Longitudinal scale on apron box hand wheel 0.2mm
13 Cross-slide travel 175-190
14 Graduation of scale at cross slide spindle 0.025mm
15 Width of cross-slide 140mm
16 Compound slide travel Min. 100mm
17 Graduation of scale on compound slide spindle 0.05mm
18 Width of top slide Min 110mm
19 Tailstock with hand wheel
20 Stroke of quill 100-120
21 Taper socket DIN 228 MT3
22 Scale graduation on center sleeve 1mm
23 Scale ring at tail stock spindle, scale graduation 0.05mm
24 Cross Travel += 10MM

**Drive**

25 Number of speed ranges 2x8
26 Speed range A (50-350) rev/min 8 speeds
27 Speed range B (250-2000) Rev/min 8 speed
28 Thread pitches with standard change gear set BS threads 4-76 T.P.I
29 All standardized metric threads selectable except for 0.45 and 405mm 0.25-16mm
30 24 module pitches selectable except for 0.4 and 4.5mm 0.2-8mm
31 Lead Screw pitch 6mm

32 Coolant tank with complete pump capacity 10-14 Ltrs

**Floor Space required**

33 Length x width x Height of machine max. 2000x1000x1400mm
   Work spindle above floor 1000-1200mm

34 Sound pressure level according to DIN 45635-16 80db (m) max
35  Sound power level according to Din 45635-16 max 93 db (a)

ACCESSORIES
1. Drive plate as per spindle dia 160mm 1 No
2. Four Jaw independent chuck dia 160mm 1 No
3. Three Jaw self-centering chuck dia 160mm 1 No
4. Quick-change tool post 2 No
5. Machine Lamp 1 No
6. Revolving center 2 No
7. Set of collets 15Nos(5mm to 20mm in step of 1 mm) 1 Set
8. Dog Carriers Dia 20, dia 30(2Nos)
9. Collet holders 1Set
10. Splash Guards -
11. Tools Kit 1Set