

## SAURASHTRA CENTRAL INDUSTRIES

Shed No. 19-W, Bhaktinagar Industrial Estate, Rajkot – 360 002. (INDIA)  
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### **SALIENT FEATURES OF "SONA" HEAVY DUTY PRECISION LATHE.**

01. Heavy Duty Lathe Bed is Induction Hardened Bed. Design of the Bed is extremely heavy & rigid. Bed is heavily ribbed & rigid in construction to avoid vibration. It results in more strength & accurate workmanship.
02. Main Spindle is induction hardened & double grind finished on the bearing size. Degree of the spindle grind finished. Main spindle is rigid & accurate made out of alloy steel EN-8
03. Main Spindle is mounted on 2 precision taper roller bearings which ensures precision machining, accuracy & workmanship.
04. Design of the Bed is extremely heavy & rigid. Bed is heavily ribbed & rigid in construction to avoid vibration. It results in more strength & accurate workmanship.
05. Legs are extremely heavy & robust. Internal structure is designed with heavy ribs to avoid vibration.
06. High quality helical gears are fitted. All the teeth are shaved to remove run out.
07. Precision tumbler gears are fitted & made out of steel material.
08. Tailstock spindle is hardened having external & internal degree grinding done.
09. Hand scrapping is done on Headstock, Saddle, Cross-slide, Compound Set, Tool Post, Tail Stock, etc. for proper & rigid seating of component which avoids vibration.
10. All screw nuts are made out of Gun Metal for minimum wear & tear.
11. Support is given to the Cross-slide Screw Rod at the back side of carriage.
12. All the major parts like Head Stock, Saddle, Cross-slide, Compound Set, Tool post, Tailstock, Helical Gears, Pulley Sets etc. are extremely heavy & rigid for better performance of the lathe.
13. Provision for bearings is available in Lead Screw, Cross-slide Screw Rod, Tail Stock etc. for smooth & easy traverse.
14. Color, Paint, Finishing & overall outlook of the machine is extremely attractive & eye catching.
15. Machine under goes strict quality control at each & every stage during production.

### **QUALITY CONTROL**

01. Meticulous care is taken right from the selection of Raw Material, Machining, complete Fitting & Assembly, Trial & Inspection upto final dispatch of Lathe Machine.
02. Trail of the machine is taken under expert supervision & undergoes strict inspection for most accurate results, Workmanship & Accuracy.
03. Components manufactured are within close tolerance, resulting into easy inter changeability.

#### **STANDARD ACCESSORIES:**

- Flame Hardened Bed
- Set of Change Gears (Inch & mm)
- Chuck Plate
- 2 Nos. Dead Centres
- Centre Adaptor
- Motor Rail
- Motor Pulley
- Switch Plate
- Tool Post Key
- Belt Guard
- Chip Tray
- Thread Dial Indicator

#### **OPTIONAL ACCESSORIES:**

- Full Norton Gear Box
- Taper Turning Attachment
- Triple Bearings in Head - Stock
- Steady Rest
- Follow Rest
- Face Plate
- Real Tool Post
- Quick Change Tool Post
- Reversible Switch
- V-Belt for Electric Motor
- Electric Motor
- Dog Chuck
- True Chuck
- Coolant Pump with Tank
- Machine Lamp