

### HEADSTOCK

- Headstock is made of rigid, high grade cast iron.
- All geared headstock, Main gears is made from Chromium, Nickel, Molybdenum alloy steel and are case hardened and "REISHAUER" ground.
- The headstock provides 12 spindle speeds which are in geometric progression and are easily selected.
- Hardened and ground main spindle is supported by three bearings in three place ( the front and middle are precision taper roller bearing, The rear is roller bearing ).
- D1- 6" CAMLOCK spindle nose has a large hole thru the spindle of 2- 1/4 inch (58 mm.).
- The automatic lubrication to all running parts inside headstock is forced by an geared lubrication pump. Spindle speeds is presented clockwise way from 20 ~ 2000 RPM, speeds choosing easily and operating conveniently.



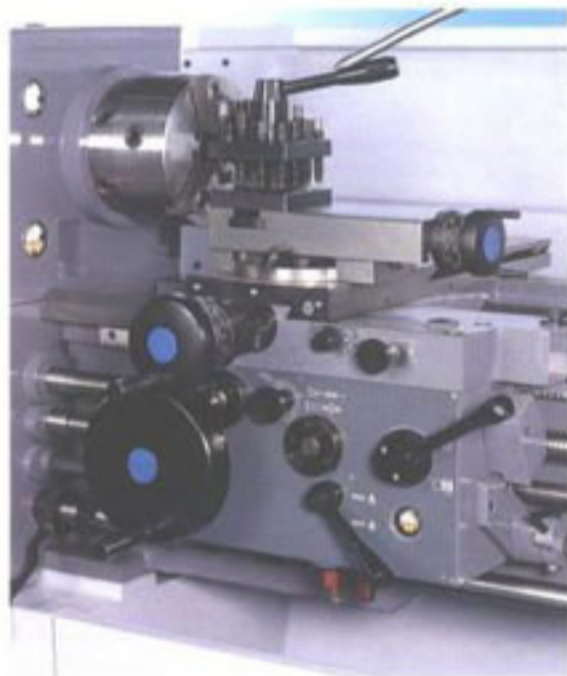
### GEARBOX

- The totally enclosed gearbox provides of the most comprehensive range of inch and metric feeds and threads without changing end gears.
- Full range of thread pitches, metric, inch, module and diametral, including special threads: 11-1/2 TPI, 13 TPI, 13-1/2 TPI, 19 TPI.
- Gearing is easily and quickly changed by levers conveniently mounted on the front of the control panel.
- All gears are case hardened and are made of special alloy steel.
- Feedshaft and leadscrew equipped overload protection.
- Lubricated by oil bath.



### SADDLE AND COMPOUND REST

- Saddle, cross-slide and top slide fitted with adjustable taper gib strips for wear compensation.
- Cross-slide screw incorporates backlash eliminator.
- Centrally lubricated slides use one shot system.
- Compound rest is with a four-way toolpost.



### APRON

- Automatic feeding and threading are fully interlock to prevent simultaneous engagement of feeds and threads.
- Oil bath lubrication of apron.
- There are one safety device, when overload cutting, the slipping clutch system will automatic shut down the feed cutting.



### BEDWAY

- The bedways are induction hardened and then precision form ground.
- Width of bedway 12 inch (300 mm.) is wider than other brand.

### TAILSTOCK

- Quick - acting clamps for locking tailstock on the bed and for locking quill.
- The hardened and ground quill is graduated in inches and millimeters.