

## Model 6000

Model 6000 is a powerful, versatile, easily operated heavy duty Lathe that turns large truck drums, resurfaces rotors and machines flywheels and clutch plates. Each side of the Lathe has its own electrically driven Cross Slide for drum machining and Saddle for face cuts on rotors, flywheels and clutch plates. Speed and feed direction of each of the two Cross Slides and Saddles is controlled from the Lathe's Control Panel. Dual Cross Slides permit simultaneous rough and finish cuts on a drum, or with a Boring Bar mounted on one side and a Grinder on the other. A drum can be machined and ground at the same time. Drum turning and face cutting gearboxes can be engaged or disengaged at any feed speed without danger to the units. Positive locks maintain constant depth of cut at predetermined settings.

### Features

- Heavy duty construction for long service life.
- 4.1339" (105 mm) dia. Spindle turns in permanently lubricated ball bearings. Driven by Cogged Timing Belts for high operating efficiency.
- Dual Cross Slides and Saddles mounted on dovetail ways with adjustable Gibs for lifetime precision. Cross Slides and Saddles driven by individual high torque Gearboxes powered by electric motors.
- Handwheel on each Gearbox for fast movement. Depth of cut scales calibrated in English and metric.
- All Lathe movement through precision Lead Screws.
- Mechanical and electrical safeguards limit Cross Slide and Saddle travel in both directions.

## Model 6002 Lathe

Model 6002 is identical to, and has all the features of, the Model 6000 except that it has only one Cross Slide and Saddle which is mounted on the right side of the Lathe. A tool and accessory tray is mounted on the left side of the machine. A Cross Slide and Saddle assembly may be added to a Model 6002 already in the field should dual capability be desired. Standard equipment with Model 6002 is the same as Model 6000.

Ship. Wt. 1400 lbs (635 kg)



## Simple, Easily Operated Controls

All powered functions—Spindle speed, Cross Slide and Saddle speed and feed direction—are controlled from this convenient Control Panel on Model 6000 and 6002 Lathes. Note that each control is logically arranged according to function: Main Power and Spindle Speed in the center with Right and Left Feed Direction and Feed Speed controls on either side. Four positions of Feed Direction switches correspond with the movement controlled—Drum Turn Out—Drum Turn In positions control forward or return movement of the Cross Slide on which the Lathe's Boring Bar is mounted. Face Cut In—Face Cut Out positions move the Saddle toward rotors, flywheels or clutch plates. Switches at the bottom control Spindle speed and right and left side Gearbox feed speeds. An Overload Safety Breaker Switch on the panel automatically cuts power supply when the main Spindle Drive Motor is overloaded or malfunction occurs in the Lathe's electrical circuits.

