

# MULTIPURPOSE LATHE MACHINE

A lathe is a machine tool which rotates the workpiece on its axis to perform various operations such as cutting, sanding, knurling, drilling, or deformation, facing, turning, with tools that are applied to the workpiece to create an object which has symmetry about an axis of rotation. Lathes are used in woodturning, metalworking, metal spinning, thermal spraying, parts reclamation, and glass-working. Lathes can be used to shape pottery, the best-known design being the potter's wheel. Most suitably equipped metalworking lathes can also be used to produce most solids of revolution, plane surfaces and screw threads or helices. Ornamental lathes can produce three-dimensional solids of incredible complexity. The workpiece is usually held in place by either one or two centers, at least one of which can typically be moved horizontally to accommodate varying workpiece lengths. Other work-holding methods include clamping the work about the axis of rotation using a chuck or collet, or to a faceplate, using clamps.

## SPECIFICATIONS

Driven Type	: AC/220volts Electric supply
Lathe Machine Type	: Multipurpose combined Lathe cum mill n drill
No Load Speed	: 0-2000
Max Spindle Speed	: 125 - 2000 RPM
Diameter	: 250 mm
Hole through Spindle	: 20 mm
Swing over Bed	: 250 mm
Capacity	: Admit between center 550 mm

