

Drilling machine

A Drilling machine at a construction site with a concrete pump and a barely visible concrete mixer. The tops of foundation columns with re-enforcing iron rods sticking out, are visible at the bottom of the photo.

A **Drilling machine** is used for foundation construction in the building industry, or for drilling water or oil wells.

Parts

- Chassis
- Power Unit
- Rig Mast
- Kelly
- Drill Bit
- chunk
- chunk key

Types

Drilling machine drill bits

Drilling machines are classified on the basis of:

- their constructional features, or
- the type of work they are required to do

Various types of drilling machines:

- Portable drilling machine
- Bench-type Drilling machine
- Sensitive drilling machine
 - Bench mounting
 - Floor mounting
- Upright drilling machine
 - Round column section
 - Box column section
- Radial drilling machine
 - Plain
 - Semiuniversal
 - Universal
- Gang drilling machine
- Multiple-spindle Drilling machine
- Automatic drilling machine
- Deep hole Drilling machine
 - Vertical
 - Horizontal

Drilling Operation:

- Drilling
- Counterboring
- Boring
- Countersinking
- Spot facing
- Tapping

Work Holding Device:

- Vice
- Plane
- Universal
- T-Bolt
- Clamps
- Step block
- V-block
- Angle plate
- Drill jigs



