

## **MACHINE TOOL DESCRIPTIONS**

Boring machines are machines designed for the primary purpose of enlarging or finishing an existing hole in a work piece by means of rotating single point tool

Drilling machines are designed for the primary purpose of cutting an initial hole in a work piece using a rotating tool.

Electrical discharge machine (EDM) are designed to remove metal by means of an electrical discharge or spark erosion

Gear cutting and hobbing machines cut a uniform series of tooth like projections on a surface of a work pieces

Grinding machines other than boring, honing or lapping machines are designed for the primary purpose of removing metal from a work piece with abrasives

Turning machines (lathes hold work between centers or in a chuck while it is rotated against a fixed tool to form a cylindrical section

Metal cutting machines are metal working machine tools which shapes or surface work metal by removing metal either in the form of chips dust, swarf or similar forms or by electrical or chemical erosion techniques

Metal forming machines are metalworking machines tools other than metal cutting machine tools

Milling machines are designed for the primary purposes of removing metal by multiple tooth cutters mounted on rotating arbors or spindles.

Numerically controlled machines are machines whose motions are controlled by devices such as tape computers or punched cards

Sawing machines primarily for parting or cutting off operations by a tool referred to as a saw – which could be in the form of a blade, band or disc