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Mold Base Terminology - M

Manifold

Configuration of piping which fiberglass impregnated with plastic resin would act as filament winding. The portion of an extrusion die that forms the hollow center in an extruded tube.

Manual Lathes

These require an operator to control and are used for round work, diameters, grooves, faces, counter bores, and simple molding areas.

Manual Mills (Vertical)

These are used for making blocks, second operations to rounds, holes, pockets, channels, ribs, slots, bores, counter bores, screws, and simple molding areas.

Mold Plate Sequencing

This is used to allow steel cores to be removed in sequence to allow for undercuts to flex out of the mold with out shearing. The proper sequence must take place so the designer has several methods for insuring the sequence. Below are listed some of the most common methods. There are also standard sequencing mechanisms available from the mold maker by venders. These mechanisms come with the correct steel choices and proper steel selection for maximum life.

Mounting Holes

Now that the holes in the molding plates have been standardized many molders are requesting that the molds be mounted in the press with bolt holes in the mold base that line up with the platen tapped holes. The designer must make sure that there is proper clearance between the mold base and the screw head to turn the Allen wrench. The hole must also have the proper clearance to allow the bolt to be inserted while the mold is closed. Many molds have been designed that do not allow for the Allen wrench to turn tightening the bolt.

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