

Plastic [injection mold](#)

You may not know it, but almost everything around you was made through plastic injection molding the mouse you are using to surf, containers you use to store leftover food, etc.

You see, plastic injection molding is the most important process in the manufacturing of plastic parts. It is done by forcing melted plastic in to a mold cavity until it cools and forms a specific plastic shape. Plastic injection molding is very useful when the plastic parts that need to be produced are too complex or expensive to do by machine. With plastic injection molding, many parts can be made simultaneously (using the same mold).

Plastic molding manufacturers use several distinct molding techniques to produce plastic components. These techniques include thermoplastic and thermoset injection molding, transferring to resin, blow molding, gyratory molding, compression molding, thermoforming, structural foam molding and many others.

Some plastic injection molding companies take your concept from initial prototype through production, delivery and finishing. They have a trained staff of experienced engineers, designers and toolmakers who work with clients from designing the concept to building the prototype and to the production of the actual custom mold. With the use of sophisticated computer aided design and technology and the latest equipment, they can provide clients with a technically superior mold and assure every product success.

It is a good idea to choose companies that are fast, flexible and customer-driven, especially if you need large quantities and fast turnaround or specialized small volume runs. Choose companies that have state-of-the-art plastic injection molding facilities and machines that differ in weight from seventy five to five hundred tons. See if they have full scale thermoplastic and thermoset capabilities with computer aided manufacturing, skilled machine operators and first class quality assurance team. This guarantees that their output goes through high-quality injection molding, and that it stands the test of time