peliton
Plastics

Mission Statement

To manufacture quality custom plastic injection molded products with value added services in a cost effective manner and to deliver your products on time every time.

Quality Statement

We strive to meet your exact quality specifications. With precision equipment and our experience, your satisfaction is guaranteed.

Vision Statement

To deliver project management, product design, prototype development, production, mold fabrication and maintenance better than any other organization in the molding business.

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Peliton:

A highly trained team, committed to winning the race in getting your product to market.

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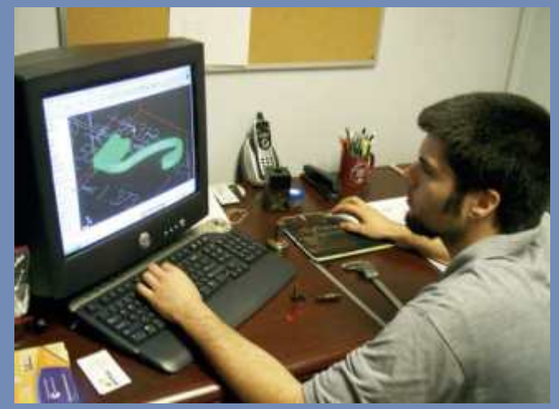
PRE-PRODUCTION PROCESS

What to do when your have an idea?

1. You should discuss it with a patent attorney; they can help you with legal requirements of the patent office. Be very careful of sharing your new idea before those legal requirements are met.
2. Technical Drawings - You will need to engage the services of an industrial designer to produce CAD files for your product
3. Peliton is willing to sign a non-disclosure agreement with you so you can feel comfortable knowing that you are doing business with honest people.
4. Prototype - Peliton will work with you to develop a prototype. (Keep in mind this can be an expensive process).
5. Peliton will then guide you through a complete cost analysis. The cost will be based on your 3-D drawings, the weight and volume of the part, and your assembly requirements - meaning the number of parts your need and the time frame of production.



What is injection molding?

It is a process of forming a thermoplastic material into a desired shape that requires an injection molding machine and tooling (also called mold or die).

The injection machines or presses are generally referred to by the amount of clamping force they can generate (i.e. We have 80 to 500 ton presses.)

The steps in the injection molding process or cycle are:

1. Clamping - The press closes the two mold halves together with great force to withstand the injection pressure of the molten plastic.

2. Injection - During this phase, plastic material usually in the form of pellets, are fed into the cylinder where they are heated until they reach a molten form. As they are being melted, they are worked to the front of the cylinder by rotating screw/plunger. When a “shot” has been made in front of the screw, it moves forward to inject the plastic into the mold.

3. Holding - This is the last of the injection phase; it “holds” the plastic under pressure until it can solidify.

4. Cooling - This is the time that the part cools to its solid form, during this time the screw in the injection unit begins to rotate to build the next “shot”.

5. Mold Open - The clamping unit is opened, which separates the two halves of the mold.

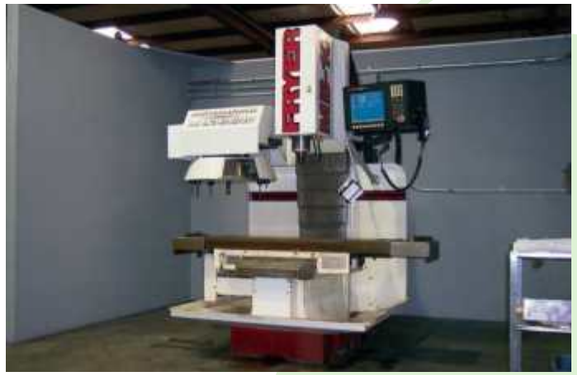
6. Ejection - The clamping unit has an ejection plate that physically connects to the ejection system that is designed into the mold. It strokes forward to eject the finished part from the mold.

7. The cycle is complete; return to step #1

Remember, tooling drives production costs. A one-cavity mold only makes one part at a time, so you get fewer parts per hour than with a multi-cavity mold, but a one-cavity tool is less expensive. Lower the cost of your product by producing more cavities. It’s a trade off between your tooling budget and your production budget.

Peliton is committed to getting your product into production.

Peliton: Turn your ideas into Plastic.



Peliton: Designed to improve your business success.

Whether you represent a big company or individual investors - Peliton will work with you to create your next successful product. Offering a full range of services, Peliton will manage your project from start to finish. Peliton specializes in turning your ideas into plastic.

For the big company - ready to create your next success, Peliton can make it happen. Integrity, hard work and experience are the strengths of Peliton. Our team of manufacturing professionals will work 24 hours a day to make sure your product is produced to exact specifications, is delivered on time and on budget.

For the individual investor - Peliton will work with you to get your business off the ground, get your product into production. It will take hard work - but with vision and a great idea - Peliton can make it happen for you.