Mold Companies Oxnard

Rakar Inc. - Since 1951!

When he moved to Los Angeles 60 years ago, Ray LaPorte had no intention of becoming one of the leading molders of electrical connector insulators for the military. All La Porte really had in mind when he moved his family west from Rhode Island back in 1951 was to be his own boss. Thus, with a $22,000 machinery investment, he set up shop with partner Karl Bischoff, whom he had met while working as a machinist at a jewelry manufacturer in Providence.

The fledging company's first job was to produce a potentiometer transfer mold for the electronics industry for Gaylord Plastics, Inc. a local firm located next door to the 400 sq. ft. Rakar Office. "We didn't have any jobs, so they didn't have to wait for us."

Back in the early days Rakar would take on just about any assignment & there were some bizarre ones including a molding machine for a cup & vacuum pump device to enlarge women's breast tissue. Eventually, however, word of Rakar's reputation spread and partners Ray & Karl were able to be more selective over the clients and molding projects they took on.

Injection Molding:

A manufacturing process for producing parts from both thermoplastic and thermosetting plastic materials. Material is fed into a heated barrel, mixed & forced into a mold cavity where it cools and hardens to the configuration of the mold cavity. Injection molding is widely used for manufacturing a variety of parts, from the smallest component like small Lego accessories, to entire body panels of cars.

Injection molding is used to create many things such as wire spools, packaging, electrical connectors, bottle caps, pocket combs, and most other plastic products available today. Injection molding is the most common method of manufacturing parts. It is ideal for producing high volumes of the same object.

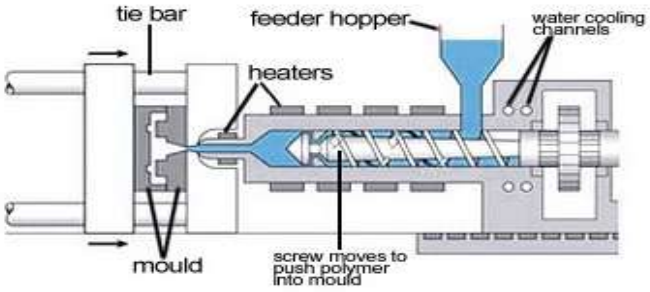
Some advantages of injection molding are high production rates, repeatable high tolerances, the ability to use a wide range of materials, low labor cost, minimal scrap losses & little need to finish parts after molding.

Process characteristics:

- Utilizes a screw-type plunger to force molten plastic material into a mold cavity
- Produces a solid or open-ended shape that has conformed to the contour of the mold
- Uses thermoplastic or thermoset materials
- Produces apartitng line, sprue & gate marks
- Ejector pin marks are usually present

Tolerances & Surfaces:

Molding tolerance is a specified allowance on the deviation in parameters such as dimensions, weights, shapes, or angles, etc. To maximize control in setting tolerances there is usually a minimum & maximum limit on thickness, based on the process used. Surface finishes of two to four microinches or better can be obtained. Rough or pebbled surfaces are also possible.



Capabilities

Insert molding is a valuable, yet comprehensive process that should only be trusted to a quality molding company. This meticulous, custom molding process has many variables to consider. One question molders are often addressing is how to keep inserts, which may need a specific orientation, from spinning or moving as the material is injected into the mold. Our team here at Rakar has tackled & achieved success over all Insert Molding issues we have faced for the past 60 years.

The Quality process starts upon delivery of the inserts to our receiving inspecting department. Once the parts are inspected and approved, they are released for use in production. From there, we have four additional inspection processes.

Part of our success is all of our molded parts are continually checked throughout the molding process. This in-line continuity testing ensures that quality, durability, and tolerance are never compromised. In addition to In-Line Testing, the parts are sent back to inspection for “Final Shot” approval. Once approved, the final shots are run to complete the job. At this time, the completed job is back to quality control for the final inspection before being sent to the customer.

In-House Tool Design:

Our complete in-house tooling department serves as a critical division here at Rakar.

We understand that the quality of your Mold is directly essential to success of your molded part. We have learned from decades of experience how parts should be designed & produced for optimal performance, appearance & functionality.

We have all the equipment necessary to produce tools to the highest standard. Our tooling department equipment includes:

- State of the Art CAD / CAM design software
- CNC Mills
- EDM Sinker
- Lathes
- Grinders
- Mills
- Heat Treating
- Surface Grinders
- Outside Plating & Coating Available

Tooling Repair & Maintenance:

Part of our success here at Rakar is due to our Complete In-House Tooling Department. During production, ALL of our molded parts are continually checked throughout the molding process. This in-process testing ensures that quality, durability, and tolerance are never compromised. If the parts are rejected from Quality Control and it is found that repairs need to be made to the mold, we can utilize our tooling department to quickly make the necessary modification. Often, we are able to keep the machine “hot” while the repairs are being made, and keep your parts into production.

Military & Defense (ITAR):

Rakar has specialized in molding for the most challenging Military & Defense applications for over 60 years. Our quality engineering & proprietary methods of molding have resolved many close tolerance problems with durable products for even the highest demanding applications of the harshest environments.

With Rakar, you have an ITAR Registered partner providing to you the source reliable parts for all your munitions military & defense molding needs!

- MRAP Vehicle Components
- Navy Casualty Power Connectors
- Insert Molded Switches
- Humvee Heavy Duty Connectors

Aerospace:

With today's technological world advancing at the blink of an eye, injection molding for the aviation & aerospace industry requires a molder that can keep up with the ever-increasing demand for strategic, mission critical applications.

- Boeing 777 & 787 Auxiliary Power Units
- F-18 Super Hornet
- International Space Station Connectors
- Switch ID Buttons

Rakar continues as a family owned & operated business with Walter's son Daniel Pittman, functioning as the companies Vice President & Operation Manager.

Daniel has been at Rakar since 1994. In the past 16 years, Daniel has worked in every department of the company. While working full-time, Daniel completed his MBA in 2006.

Rakar maintains their roots as an insulator specialist however; the company is branching out with new proprietary products currently under development!

For more information please visit
http://www.rakarinc.com