

# WE ARE A COMPLETE ENGINEERING PARTNER FOR PLASTIC INJECTION MOLDED PRODUCTS



ISO 9001:2015



(530) 823-1820  
[www.preplastics.com](http://www.preplastics.com)

**1,000,000**

Pounds of plastic diverted from landfills each year, due to our use of recycled water bottles

**6**

Patents, plus dozens more we've helped customers develop

**0.07**

Percentage of returns - <1% return rate = high quality standards

**9001:2015**

ISO classification in which PRe Plastics became certified in 2015



**50,000**

Parts molded each day

**164**

Years of plastics experience on our management team

**25**

Percentage of employees who have been with us for a decade or longer

**70,000**

Square feet of warehouse space in our state-of-the-art manufacturing facility

**50**

Tonnage of our smallest injection mold press

**1012**

Tonnage of our largest injection mold press

# ABOUT

**PRe Plastics is proud to celebrate more than 30 years of innovation and excellence in the plastics industry.**

PRe Plastics was founded in 1986 as a plastics engineering consulting firm and injection molder with one machine and its first customer. Thirty years later PRe Plastics still has the same machine and same customer—and has added multiple molding machines and dozens of customers.

PRe Plastics is known for its ability to tackle difficult design, mold making, and manufacturing challenges. Our engineering expertise and innovative solutions are foundational to who PRe Plastics is as a company. We hold multiple patents for products we have co-designed, and we have assisted our customers in developing hundreds of engineered products.

PRe Plastics provides full-solution services to our customers. From design and mold tooling, to parts manufacturing and custom assembly, PRe Plastics meets all aspects of customer needs from concept to completed product, and we are proud to do so at a high level of quality with exceptional customer service.

## INDUSTRIES SERVED



AUTOMOTIVE



CONSTRUCTION



CONSUMER GOODS



ELECTRONICS



GAMING



MEDIA



MEDICAL/DENTAL



SOLAR



SPORTING GOODS



... AND MORE

# DESIGN & PRODUCT DEVELOPMENT

**PRe Plastics brings decades of engineering and plastics expertise to the design process.**

Decades in the plastic injection molding industry partnered with extensive material knowledge and design innovation make PRe Plastics the right partner for your product's design cycle. If conceptual help is required, our input is directed toward the development of a part that will process well when molded and attain quality and performance specifications at the lowest cost.

If a design is tool-ready, our design team thoroughly reviews the requirements of the part to ensure that the design will yield the expected result, with the least impact to overall project timeline and cost.

Our design team uses Pro/ENGINEER, and can work with these file formats:

PTC CREO PARAMETRIC

AUTOCAD

INVENTOR

STP

PARASOLIDS

SOLIDWORKS



# PRECISION TOOLING



**PRe Plastics' lifetime mold guarantee is made possible by our quality design, our specialized toolmakers, and our state-of-the-art machining.**

PRe Plastics is a leader in crafting steel and aluminum molds with CNC milling, traditional machining, and EDM machining. Our toolroom and production floor are under the same roof, facilitating efficient mold maintenance needed to keep production going.

Aluminum and steel mold benefits are realized without risk to the customer according to our lifetime mold guarantee. LIFETIME MOLD GUARANTEE states that tools built by PRe Plastics, regardless if built in hardened tool steel or aluminum, are guaranteed for the life of the product while in the care of PRe Plastics.

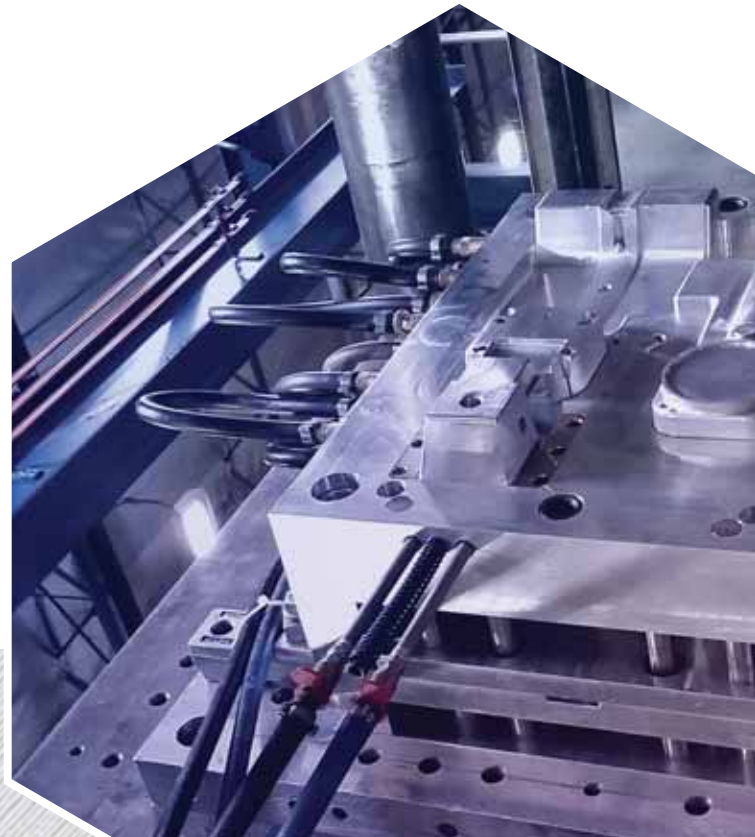
While we have the capability and resources to tool in-house, we have a valuable overseas network of toolmaking partners in China and India as a secondary option for controlling tooling costs.



MADE IN THE USA



GLOBAL PARTNER NETWORK



# INJECTION MOLDING



**PRe Plastics uses a variety of materials and offers multiple molding capabilities to ensure optimal quality, versatility, and efficiency.**

PRe Plastics has the expertise to mold the material best suited for each plastic part. When standard, off-the-shelf materials lack a required property, our relationships with many resin and additive manufacturers enable us to work with the customer to find the best possible material or design a custom material blend. We work with many polymers and elastomers, including ABS, HDPE, HIPS, PC, PC/ABS, PC/PBT, PE, PET, PP, PS, and more. PRe Plastics works extensively with thermoplastic elastomers (TPEs) and thermoplastic polyurethanes (TPUs) for rubber replacement applications.

We have also developed an array of custom formulations that have made innovative product ideas possible. Overmolding, insert molding, and chemical bonding processes also produce quality products while eliminating costly secondary operations.

Our nineteen injection molding machines range in tonnage from 50 tons to 1012 tons, providing significant shot size capacity, which can be used for a range of part sizes and multiple-cavity tools.

# ASSEMBLY



**PRe Plastics works with each customer to provide customized secondary operations for all assembly, printing, or packaging needs.**

PRe Plastics' temperature-controlled assembly area is equipped to perform an array of secondary operations designed to reduce cost and shorten lead times. Manual and automated systems are customized to meet product requirements and price goals. PRe Plastics offers multiple assembly and secondary operation services:

- MECHANICAL ASSEMBLY
- BRASS INSERT INSTALLATION
- HEAT STAKING
- ULTRASONIC WELDING
- LABELING & TAPING
- ADHESIVES & EPOXIES
- POTTING
- DRILLING & TAPPING
- CUSTOM PAINTING
- AUTOMATED BAGGING
- PAD PRINTING
- SILK SCREEN PRINTING
- FIXTURING
- CUSTOM PACKAGING

We also provide EMF shielding and vacuum metalizing through our vendor base.





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