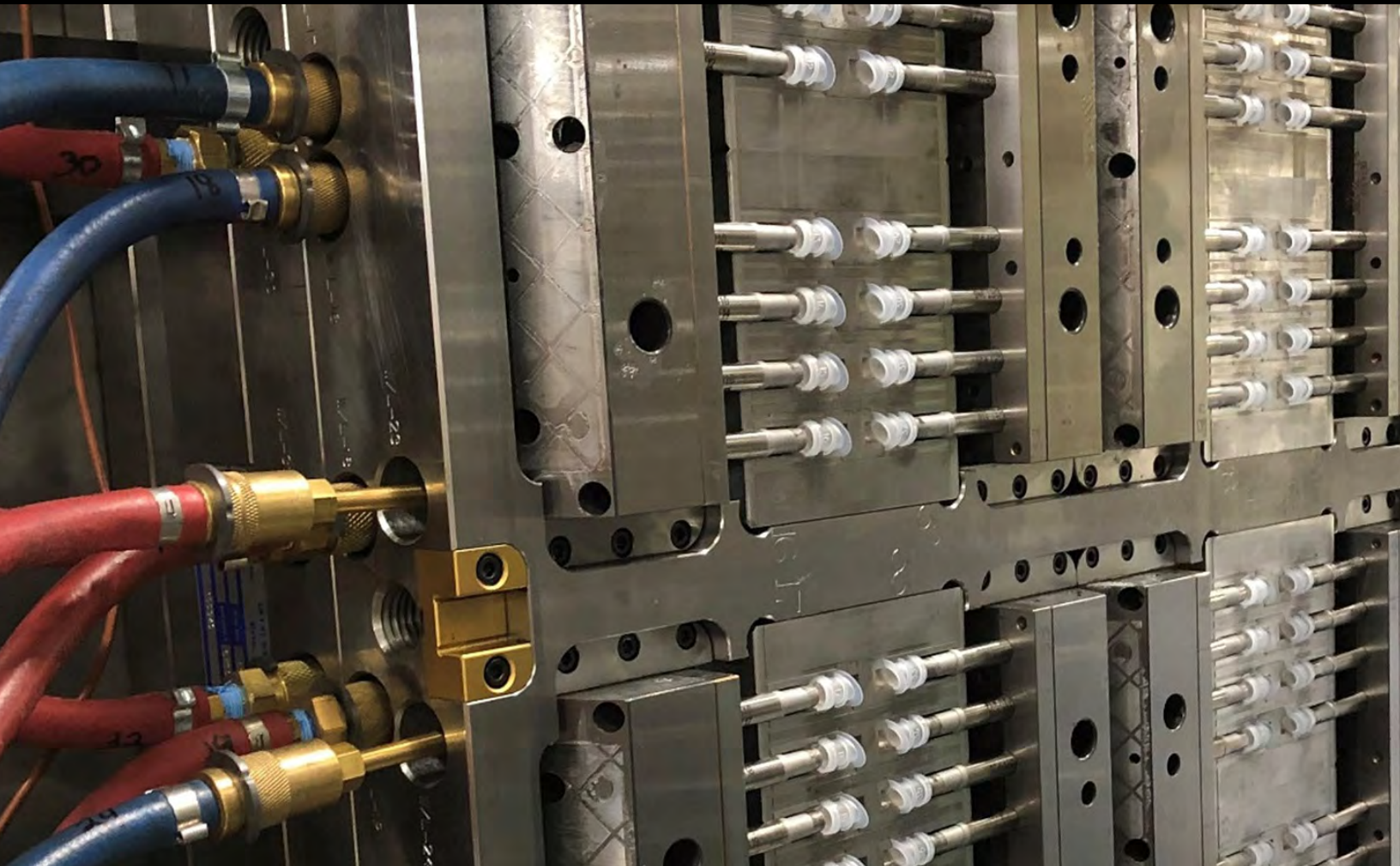


CONSIDERATIONS FOR CHOOSING A
PLASTIC INJECTION MOLDER



Thogus



CONSIDERATIONS FOR CHOOSING A PLASTIC INJECTION MOLDER

Choosing a plastic injection molder is no small decision. There are a number of factors that play into your selection, and it's important to consider them all to ensure you find the plastic injection molding company that suits your unique needs. This eBook is your guide to identifying those factors to help you make an informed decision.

- 1 EXPERIENCE**
- 2 PRICING**
- 3 EQUIPMENT & CAPABILITIES**
- 4 QUALITY & CERTIFICATIONS**



EXPERIENCE.....

It is important to choose a company that understands the plastic injection process from design through production. There are often changes made during early stages of development, so partnering with an experienced company ensures that these changes can be implemented quickly without major disruption to the remainder of the project.



It is also important to check a company's experience with different materials and industries. Your custom plastic injection molder should be able to work with a wide range of materials, as well as custom resin formulations. At Thogus, we work with the following materials:

POLYPROPYLENE (PP)

POLYETHYLENE (PE)

HIGH IMPACT POLYSTYRENE (HIPS)

POLYVINYL CHLORIDE (PVC)

ACRYLONITRILE BUTADIENE STYRENE (ABS)

ACETAL (POM)

POLYETHER ETHER KETONE (PEEK)

POLYVINYLIDENE DIFLUORIDE (PVDF)

POLYETHER IMIDE (PEI)

POLYPHENYLENE SULFIDE (PPS)

NYLON (PA6, PA66, AND PA12)

POLYETHYLENE TEREPHTHALATE (PET)

POLYBUTYLENE TEREPHTHALATE (PBT)

POLYCARBONATE (PC)

TRITAN BY EASTMAN (BPA FREE CO-POLYESTER)



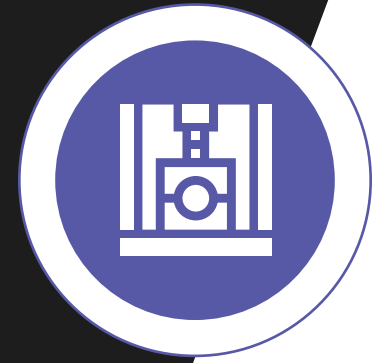
EXPERIENCE CONTINUED...

Additionally, you'll want to choose a company that has worked with a number of industries. Plumbing, medical, consumer products, electronics, industrial, automotive, and other industries all have different needs and nuances, so it's important to check that your industry is represented in the manufacturer's portfolio.

Having an excellent reputation working with several materials and industries not only ensures they've come across projects like yours, it also indicates that they have the equipment, techniques, and services to ensure a customized approach that suits your needs.

PRICING.....

The overall cost of your project depends upon a number of factors: size, complexity, materials, cycle time, finishing, packaging, and more. You want a custom plastic injection molding company that manufactures by design, meaning one that designs with the optimization of the entire process in mind.



Domestic vs. offshore manufacturing also plays a role in the price of the project. While you might assume products made in other countries are cheaper due to the lower cost of labor and materials, you should know there's a big trend in reshoring manufacturing for good reasons. High tariffs on injection molds from China were reinstated in early 2020, and companies are forced to do something to manage that expense, whether it's cutting corners in certain areas or raising prices for their customers.

Furthermore, shipping across the ocean is expensive and unpredictable. Lead times are longer, and small hiccups can lead to big delays. You also put the products at risk, as they may experience more jostling and damage on the trip due to longer shipping times and more handling.



To avoid pricing issues, it is important to work with a company who is upfront about their pricing and maintains clear lines of communication with you. Your injection molder should be honest about the scope of the project and their capabilities, directing you toward the solutions that are best for you, while clearly explaining what they're going to cost.

EQUIPMENT & CAPABILITIES



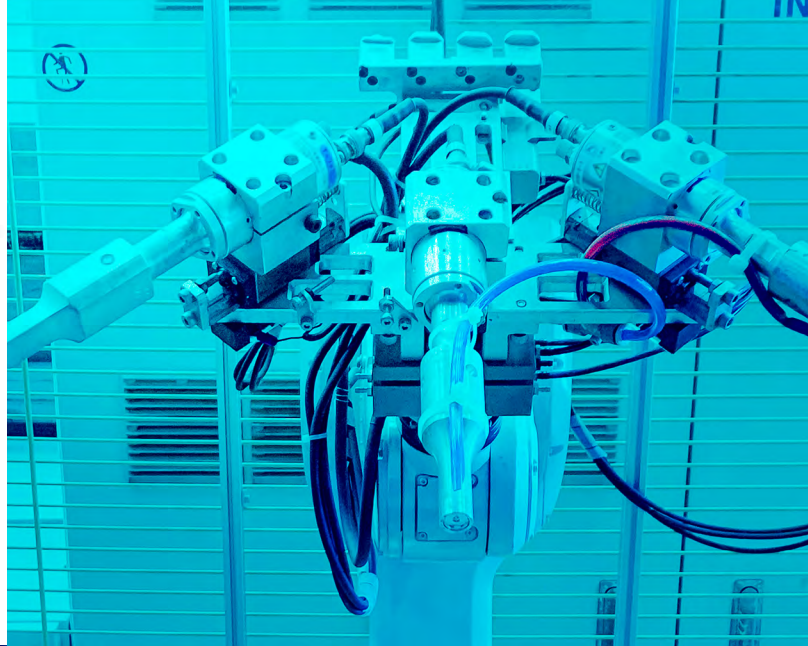
Keeping all processes in-house is a huge advantage for you as the customer. Turn-key solutions allow for personalized service, control over your project from start to finish, and commitment to your timeline for completion. To that end, your plastic injection molder should have the equipment and capabilities to handle everything from design to finishing.

At Thogus, we offer a range of state-of-the-art equipment from trusted brands like Engel, Arburg, and Nissei that can manage both the size of your components and the volume of your production run within your required time frame. The company you choose should also offer a range of capabilities such as engineering support to help you select the best material and optimize your production process as well as tooling and secondary operations to ensure your project can be completed in-house.



THOGUS OFFERS THE **FOLLOWING CAPABILITIES:**

- ANNEALING PLASTIC
- MOISTURE CONDITIONING
- FIXTURING
- THREADED INSERTS



- ULTRASONIC WELDING PLASTIC
- MECHANICAL ASSEMBLY
- PRODUCT PAINTING
- PAD PRINTING
- PLATING
- HYDRO DIPPING



In the wake of COVID-19, many facilities found themselves overwhelmed with orders and unable to manage it all with the equipment and capabilities they had in place. This forced many clients to look for alternatives to safely and efficiently meet their project needs. Well-equipped companies like Thogus were able to pivot and take on orders for PPE, such as face shields, to aid in the fight against the pandemic.



QUALITY & CERTIFICATIONS

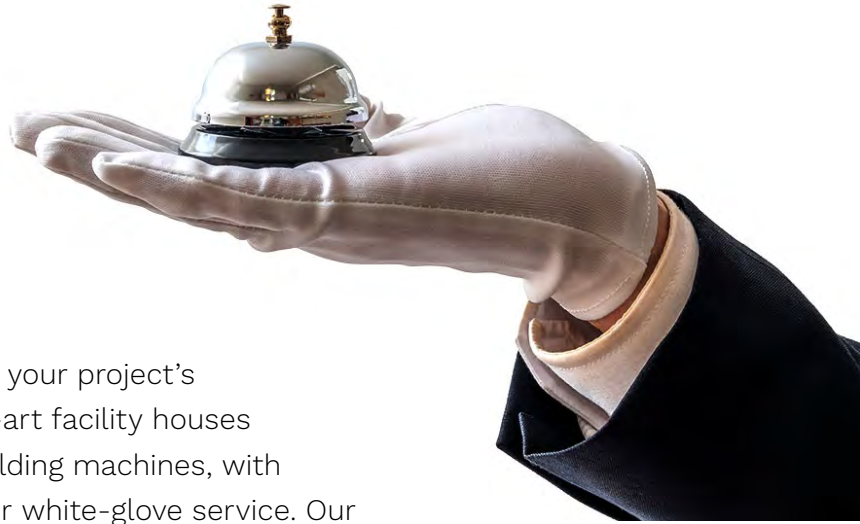
Injection manufacturing facilities should hold themselves to a high standard of safety and quality, and there are specific certifications they can earn to ensure those standards. Following FDA and PPAP standards for mold qualification and part validation ensures industry compliant products that are reliable and safe.

At Thogus, our ISO 9001:2015 certification illustrates our commitment to producing the highest quality products that meet regulations. Our quality management system also includes new project risk assessments, internal auditing processes, corrective action plans, and more to ensure all expectations are met with optimal service.



PLASTIC INJECTION MOLDING WITH THOGUS

Choosing the right plastic injection molder not only ensures quality products, it also helps your business move forward. Your injection molding company should be as committed to your success as you are, delivering high-quality products, straightforward pricing, and efficient, friendly service.



At Thogus, we take pride in going the extra mile for our clients, and we work with you through all your project's challenges. Our 76,000 square-foot state-of-the-art facility houses more than 35 electric and hydraulic injection molding machines, with tonnage ranging from 35 to 720, all backed by our white-glove service. Our experienced team is focused on continuous improvement, and we aim to build long-lasting relationships with our clients based on honest, direct communication because we believe that your success is our success.

For medium- to high-volume plastic injection molding projects, Thogus is there for you from start to finish. To learn more about our services and capabilities, or to work with us on your next project, [contact our experts](#) today.





ABOUT THOGUS

We believe in a better way to satisfy client needs. Our belief is the driving force behind everything we do today and everything we improve tomorrow.

What we do is medium-to-high volume contract injection molding. What separates us from our competition is how we do it – with White Glove Service.

Our vision is to be a destination for manufacturing excellence with core values of Passion, Dedication, Honesty and Integrity, Mutual Respect and The Edge. These are reflected in every area of our company.

Our mission is to build and sustain great partnerships by satisfying and anticipating our client's known and unmet needs for every custom plastic injection molding project.

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www.thogus.com

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