

Injection Molding Quotes



9 Tips for Faster Injection Molding Quotes





Glad for CAD

A detailed CAD drawing helps your plastic molding partner determine factors such as part weight and cycle times and identify any design concerns.

Getting Down to Details

When you request a quote for injection molding, your supplier needs to know as much about your work as possible. The success of your largest project depends on how well the smallest components are executed. Knowing all the details helps your supplier provide an accurate quote, meet project deadlines, stay on budget, and deliver the quality product you need.

1. Provide a part drawing

Provide a part drawing and CAD file with your RFQ. Your vendor can use these drawings to determine factors such as part weight and cycle times and to identify any design concerns. A detailed tool description is also helpful.

2. Be specific about quantity and delivery

Instead of just naming volumes, provide information about release quantities and frequencies, as well as expected daily and weekly usage rates. Suppose you need 100,000 parts. Do you need these parts for the life of the program? Or do you need 100,000 parts per year, per month, or per day? Would a partial lot delivery ASAP help you meet tight timelines?

3. Share your program-critical milestones

- When will the orders be placed?
- When will you need the first samples or pilot builds?
- When will you need final, approved parts?

4. Identify desired materials

If flexibility is possible in your resin selection, your supplier might be able to suggest alternates to improve part price or reduce lead time. It also helps to know any special circumstances associated with purchase, such as:

- Special price negotiation
- Minimum buys
- Secondary suppliers, such as a specific source for packaging or mating parts in an assembly

5. Specify blemish limitations

Your supply partner will take into account any aesthetic or functional constraint. These factors could prevent or influence the location of tooling features such as gate location, ejection, parting lines or inserts, thus impacting tool design.

6. Provide details about program longevity

The more the supplier knows about your company's total projected requirements, the better they can match them to various tooling techniques.

7. Clarify your approval process

It helps for your supplier to know your company's requirements for approval up front, as these requirements can impact many aspects of a proposal, including:

- Number of parts required
- First article inspection
- Statistical capability studies
- Production part approval process (PPAP)
- Operational or performance qualifications (OQ/PQ)

8. Include target pricing

Naming your target price up front can help save you time and money. You and your supplier can discuss what can be done to achieve cost objectives by eliminating non-value-added items

9. When in doubt, share more

Different requirements have drastically different injection mold solutions, so the more information you can provide to your vendor, the better. Some additional details to consider include:

- Is a quote or proposal needed for cost engineering purposes or for an actual injection molding job? Cost engineering may not require the same level of specificity.
- How do quality, cost, and delivery apply to your program? How critical are design support, fast delivery, lower tool cost, or exceptional precision? Knowing your priorities can help the supplier tailor a proposal to your individual requirements.



Program Priorities

Knowing how important cost, delivery, quality, and other factors are to your program can help your supplier tailor a quote to your requirements.



ABOUT EMPIRE PRECISION PLASTICS

Empire Precision (http://www.empireprecision.com) When your mission-critical program needs an extra edge, come to Empire Precision Plastics "Where Your Ideas Take Shape".

Empire excels at precision molding of intricate components – the more complex the better.

Our Idea Factory guides our customers from new product development, prototyping, through mold construction, to close tolerance injection molding and component assembly – Empire is large enough to consistently service your needs, yet small enough to provide the personal attention that you deserve.

We have built this company to meet the needs of our customers' programs, growing from an injection molder to a full-service systems manufacturer. When the demand for faster delivery of quality optics became clear, we acquired and integrated precision polymer optics design, prototyping and production services.

We listened when our customers needed white room capability for medical device subassembly to better meet compliance standards.

We continue to grow and invest in the automation and other manufacturing methods that your programs demand. We offer dedicated custom centers for volume manufacturing and continue to pursue the enhanced capabilities to serve you better.

Empire Precision Plastics is ISO 9001:2015 and ISO 13485:2016 Certified

To learn more about how Empire's advanced technology and disciplined approach can benefit your next program, contact us at info@empireprecision.com.