Design to Part

Xcentric's Proprietary Process

QUOTE

Submitting your CAD file through our quote system kicks off a series of highly advanced, technological procedures that can deliver real parts, with real materials in as quick as 1 day.

SUBMIT A QUOTE

1. online
2. by email
3. give us a call to discuss

START with your design

UPLOAD

EMAIL

CALL

We've received your file. We'll have a quote back to you in 24 hours or less...

With proprietary software, your file is compiled using advanced algorithms to accurately and efficiently produce a cost-effective quote within hours, not days.

Included with your quote is a **FREE Manufacturability Report**.

- Identify potential design problems early
- Helps ensure your part is strong and uniform
- Eliminates costly retooling
- Worry-free engineering changes

YOUR QUOTE

Your interactive quote is delivered to you within 24 hours. Instantly change parameters to update pricing to fit any budget.

- Cavities
- Quantities
- Materials
- Lead/Production Times
- Surface Finishes

FREE Manufacturability Report

MOLDABLE

NOT MOLDABLE

If your design requires changes due to moldability issues, give us a call to discuss. You will still receive a quote based on those recommended changes. We also recommend to download our **Smart Guide to Designing for Manufacturability.**

We understand that the features designed into your part were put there for a reason. If you are shopping, be sure you are comparing apples to apples. A significantly lower price almost always means that you must change your design.

The vast majority of the projects we receive, do not have moldability issues. With Xcentric, the bottom line is that if a part can be molded, we can mold it. **Making changes to your part is most likely NOT a problem with your design, it's the molders problem with their capabilities.**

Do I need to go back to the drawing board?!

After approving your quote, we start production.

MOLD DESIGN

The first step is to design your mold. Our quote process is fully integrated into our **Advanced Mold Making System** so much of the ground work for making the mold has been determined.

By applying Xcentric's high standards for mold design, our proprietary software streamlines and automates the mold design process. This allows us to speed up what normally takes days or weeks, into a single procedure that takes mere minutes.

Once your mold is designed, it is submitted to our fully-automated, in-house CNC machining process. From there, both halves of the mold are loaded into the machine and work begins immediately. With no programming required, the mold can be ready in a matter of hours.

The custom mold is then sent to be complete for:

- Assembly
- Surface Finishing
- EDM

EDM

FINISHING

ASSEMBLY

GUARANTEED

LIFETIME MOLD GUARANTEE

XCENTRIC

LIFETIME GUARANTEE

Our long lasting tools will produce high quality parts and is backed by our **Lifetime Mold Guarantee**. You will receive unlimited parts for the life of your project and will never be charged for mold repair or rebuild.

INJECTION MOLDING

Our injection molding process is run by our **Proprietary Process Engine**. Custom software that can accurately analyze your part and produce instructions for optimal mold flow including temperature, pressure, etc.

MOLDED WITHOUT PROCESS ENGINE

MOLDED WITH OUR PROCESS ENGINE

With our scientific approach to injection molding, our Proprietary Process Engine minimizes warping, size variations and cracking to deliver quality, consistent, stress-free parts everytime.

Before we then run your **25 free sample parts**, the first few shots are closely inspected to ensure quality and optimal conditions.

Our 55 to 400 ton electric machines use 80% less energy than hydraulic machines and allows for a more controllable plastic injection process. This enables us to manufacture your parts with more consistency and at the best possible price.

SHIPPING

Quote → Mold Design → Production Ready Molds → First Shots

In as few as 5 business days.

XCENTRIC MOLD & ENGINEERING

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