

Carlson

Tool & Manufacturing Corp.



**POLY BATTERY
TOOLING**

A worker in a blue shirt and safety glasses is working on a large industrial mold. The worker is using a tool to adjust or inspect the mold. The background is a blurred industrial setting.

Engineered for Performance Designed to Specification Built to Last

At Carlson, we understand that keeping your production system running smoothly is the key to your success.

With constant change in consumer preferences, increased demand for design versatility, high aesthetic and product performance standards - the packaging industry is a very demanding and complex environment.

These and other factors require a large capital investment in production equipment to produce, decorate, assemble, and validate the container assembly. It's quite a challenge to keep the entire production system working smoothly.

This is why our approach to mold building goes beyond capturing critical specifications. Every mold we build is engineered for your specific production system while meeting exact product requirements - all at a competitive price.

60+

Years of
experience

CUSTOM MOLD DESIGN & BUILD

Custom Solutions for Unique Requirements

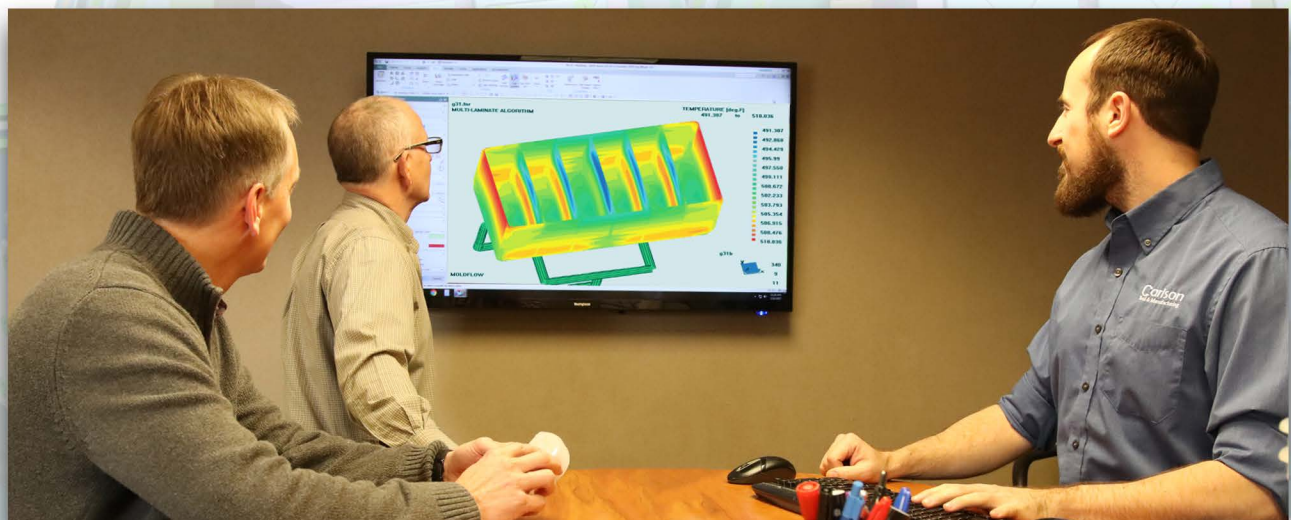
Serving North America's leading injection plastic manufacturers for over 60 years, Carlson Tool engineers a variety of mold technologies to meet a wide range of materials and end user specifications - including those for highly regulated industries.

Our plastic injection molds are built for 300 to 2,000 ton presses and includes the following technologies:

- Single & multi-cavity production molds
- Stack molds
- Full range of melt delivery systems
- Molds with complex actions

The Carlson Difference

Our process starts with a customer needs analysis, which guides the mold technology solutions including mold flow, warp, cool and shrink simulations. Along the way, we are collaborative with our customers during key design decisions to eliminate surprises and achieve a superior outcome. We maintain this strong communication link past the design phase to include the full life-cycle of your project - through installation, operation, and mold maintenance services.



ENSURED QUALITY, ENGINEERED SUCCESS

Quality Control - Ensuring Success

Quality control at Carlson Tool begins at the very first meeting with our customers and is incorporated through all the critical steps of the mold-building process. Certified to the ISO 9001 quality standard, our quality control strategy includes:

- Advanced Quality Planning (AQP)
- Comprehensive design reviews & design change control
- Tooling material optimization
- Master Computer Aided Design (CAD) strategy
- First-Time-Correct methodology

Carlson - Your Proactive Partner

Chances are you won't find a more proactive partner than Carlson Tool & Manufacturing. We are passionate about providing a high level of responsiveness to customer needs from concept through delivery and beyond. Our service offerings include:

- Personalized, one-on-one support: be it in person, online or over the phone
- Problem diagnosis & solutions, new product launch analysis & cycle enhancements



NEED DESIGN EXPERTISE?

Our team becomes an extension of yours

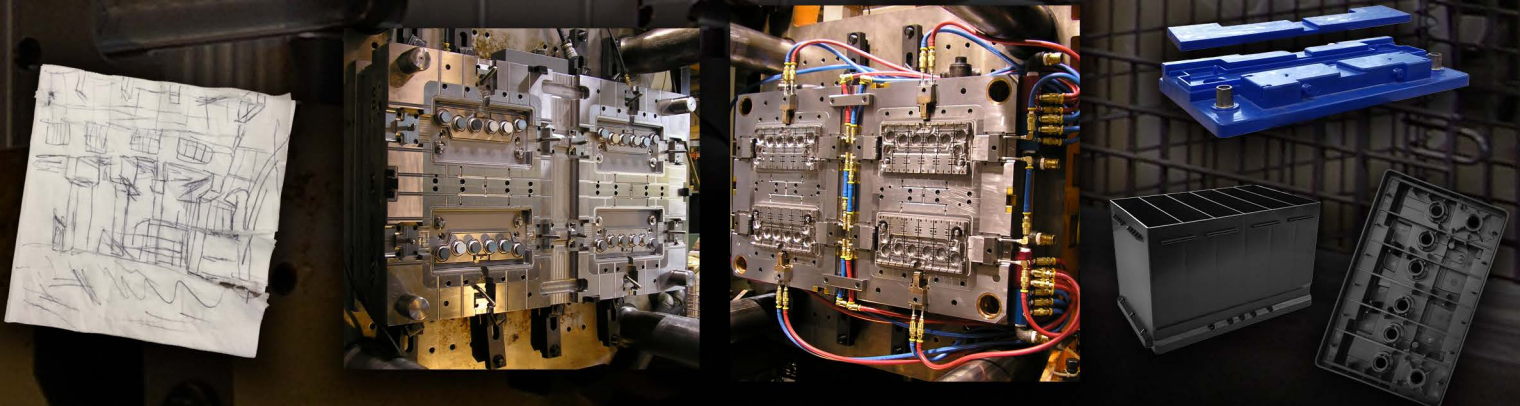
When working with Carlson, our engineering and manufacturing experts become an extension of your team. Together, we work to ensure your success.

Product Types & Services Available

- Reverse Engineering
- Product Design
- Tooling Design
- Engineering Analysis
- Mold Process Simulation
- Full 3D Modeling

From napkin art to finished part

Whether starting from a concept, napkin sketch or existing product, Carlson's talented engineers speed up the product development process. We work collaboratively to clarify design objectives while ensuring manufacturability and molding process capability.



TOOLING SERVICE & REFURBISHMENT

Money makers or budget breakers?

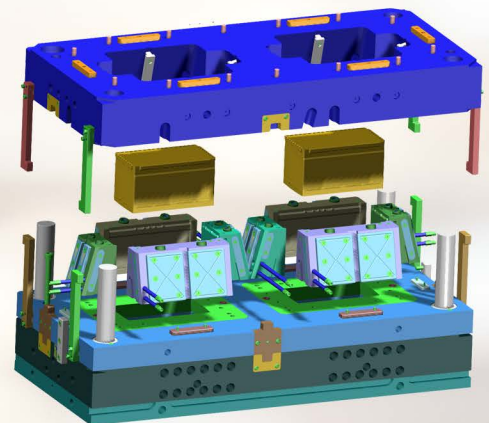
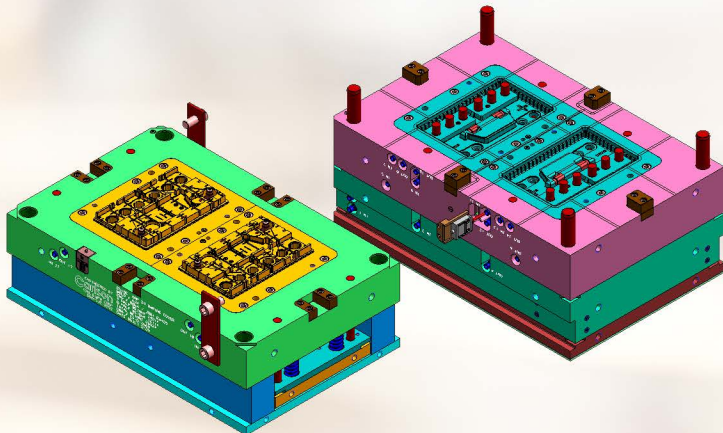
Carlson's highly skilled diagnostic technicians will put their decades of experience to work solving your toughest challenges and problems. Your customers may not care about your problems with cycle times or molds that run too hot, but we do. We can fix individual mold issues à la carte or renew your entire mold to restore good production capability.

Common mold issues we can fix for you:

- | | |
|-----------------------------------|---|
| Mold cycle time too slow? | Our diagnostic tools can find the problems. |
| Scrap rate too high? | Our team can analyze your parts & steel sizes to verify shrink calculations & reduce your scrap rate. |
| Parts with cosmetic issues? | Looks aren't everything, but cosmetic variances may reflect larger problems in your mold. |

We specialize in:

- | | |
|--|--|
| <ul style="list-style-type: none">• Curing hot spots, venting & more• Improving cycle times• Resolving product defects | <ul style="list-style-type: none">• Decreasing scrap rates• Hot runner repair & worn part replacement• Sampling of mold after repairs are made |
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WHY CHOOSE CARLSON?

Competitive, Capable, Committed

COMPETITIVE

- Quality - well established ISO processes produce excellent results
- Lead Time - streamlined processes, multi-shift operation, geared for speed
- Value - tools that last and perform - 1st time correct

CAPABLE

- People - highly skilled, cohesive & productive team
- Technology - modern, leveraged effectively, customized for speed & consistency
- Industry Expertise - accumulated, documented & expertly deployed knowledge

COMMITTED

- Projects - completing projects on-time while meeting expectations
- Customers - delivering on our promises builds your success
- Markets - we focus on markets to build relevant expertise & long term stability





THE VISION OF CARLSON TOOL IS TO BE OUR
CUSTOMER'S MOST VALUED EMPLOYEE



Made in the USA

Starts Here

Carlson
Tool & Manufacturing Corp.

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Need Speed? Email sales@carlsontool.com to get your project started!