

TALK PLASTICS

WHAT WE OFFER

RHEOLOGICAL CONTROL SYSTEMS™

- ▶ MeltFlipper® Single & Multi-Axis Design Services
- ▶ iMARC™ Mold Inserts
- ▶ SRC™ Mold Inserts
- ▶ Opti-Flo® Hot Runner Systems

CAE MOLD FILLING SIMULATION SERVICES

- ▶ Mold Filling, Packing, Cooling, Shrink, and Warp Analyses
- ▶ Part Design Optimization
- ▶ Veri-flo™ Material Verification Service

CONTINUING EDUCATION COURSES

- ▶ Optimizing Mold Startup, Debug, and Qualifications
- ▶ Engineering Hot & Cold Runner Systems
- ▶ Injection Molding & Root Cause Analysis
- ▶ Understanding Shrink & Warp
- ▶ Mold Design for Project Engineers
- ▶ Plastic Flow & Design Essentials for Mold Makers/Designers
- ▶ Understanding & Applying Flow Simulation

5 STEP™ PROCESS DIAGNOSTIC SOFTWARE

- ▶ Systematic Mold Balance Analysis
- ▶ Mold filling and Part Quality Diagnostics

DEVELOPMENT, ENGINEERING & CONSULTING SERVICES

- ▶ Mold and Part Design/Development
- ▶ Prototyping and Mold Sampling Services
- ▶ Mold and Part Troubleshooting

ADVANCED POLYMER PROCESSING

- ▶ ISO/ASTM Molding Cell
- ▶ Therma-flo™ Moldometer Material
- ▶ Injection Moldability Characterization

ABOUT BEAUMONT

Beaumont is a plastics engineering firm and technology developer providing uniquely integrated scientific and practical solutions to industry challenges.

Our team of plastics engineers has extensive knowledge of plastic flow principles giving us a unique viewpoint in which to solve a multitude of injection molding related issues. We are knowledgeable and experienced in simulation software, mold and part design, product development, processing, quality control, mold diagnosis, and more. Founded in 1998, Beaumont is the pioneer and world leader in the development and application of rheological control systems (RCS™) for hot and cold runners. Beaumont is the plastics industry's top choice for engineering and consulting services.

PRODUCTS AND SERVICES

- ▶ Rheological Control Systems
- ▶ CAE Mold Filling Simulation
- ▶ Continuing Education
- ▶ Development Services
- ▶ Engineering & Consulting
- ▶ Advanced Polymer Processing

Visit Beaumontinc.com for more information, including testimonials and case studies from industry-leading companies and professionals.



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LET'S TALK
PLASTICS



Continuing Ed
MeltFlipper®
Simulation

LET'S TALK PLASTICS

DELIVERING VALUE & MAXIMIZING ROI

At Beaumont, we approach every project with a few simple questions: How can our technology help you be more efficient? How can our products and services improve the quality of your parts? How can we help to optimize your process to improve your bottom line?

It is our commitment to delivering value and maximizing the profitability of plastics processors and mold makers around the world that has enabled Beaumont to become the plastics industry's leading engineering, consulting, and technology firm.

OFFERING UNIQUE SOLUTIONS

We started this business because we recognized our unique solutions to common molding problems. We knew that our team's expertise and focus on plastic flow would help advance the industry.

We know every injection molder has unique challenges, but we also know they have numerous untapped opportunities to improve ROI and maximize profits. Since 1998, processors and mold makers have turned to our solutions, continuing education courses, engineering services, mold filling simulation, and diagnostic software to improve their bottom line — enabling their machines, molds, and employees to work smarter and more efficiently.

DEVELOPMENT TO PRODUCTION

Whether your products are in development or already in production, Beaumont can help make them more profitable.

The earlier our team of engineers begins working with your team, the higher level of ROI, process control, and overall part quality you will achieve.

EXPERIENCE REAL SAVINGS

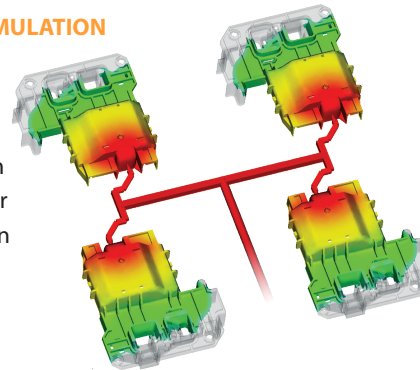
MELTFLIPPER®

MeltFlipper® provides identical material properties to and within each cavity through optimization of mold filling to reduce part defects. This technology allowed a high-precision molder to achieve full-cavity utilization along with reduction in cycle time, energy, and scrap. This generated \$104,250 in savings in one year.



CAE MOLD FILLING SIMULATION

Runner sizing services saved a project from being transferred from our customer to an international competitor by generating \$42,500 in material consumption and cycle time savings.



MOLD DIAGNOSTICS



Mold qualification and rework savings of \$23,800 for a tight tolerance mold maker was easily realized due to our 5 Step™ Process. This systematic software quickly identified the root causes of mold filling and part quality variations during a new mold start-up process.

CONTINUING EDUCATION COURSES



Applying best practices learned through our plastics courses for part, runner, and mold design saved \$32,635 on average for several projects for a world-class injection molder.

ADVANCED POLYMER PROCESSING LAB

A high precision mold maker saved \$17,950 in mold transportation and debug costs by having the mold sampled and optimized using Beaumont's scientific molding and proprietary qualification procedures.



PRODUCT DEVELOPMENT

An injection molder saved \$102,300 as a result of design optimization based on plastic flow and molding principals, coupled with mold filling simulation and prototyping services.

