

# All Your Mold Filling, Training, and Part Quality Solutions in One Package



## PRODUCTS & SERVICES

### CAE Mold Filling Simulation

BTI offers a full line of CAE mold filling simulation services. Our **Filling Analysis** provides insight into the mold filling process, ideal gate location(s), pressure predictions, and runner size optimization. Our **Cooling Analysis** helps ensure an efficient cooling layout, and our **Warp Analysis** identifies the root causes of part deflection. BTI's **Veri-flo™** service is used to benchmark mold filling simulation predictions versus actual molding results to provide more accurate interpretation of simulation results.

### Rheological Control Systems

BTI's Rheological Control Systems include our **MeltFlipper®** Services, adjustable **IMARC™** Mold Inserts, and static **SRC™** Mold Inserts. These systems reduce cycle time and increase part quality by optimizing filling patterns and mold balance through uniform material properties to and within each cavity of a mold.

### Training Seminars

BTI's Plastics Professional training seminars give students a solid learning foundation while teaching them how to think through problems rather than teaching reactionary "if / then" principles. Our **DesignPro™** seminar teaches plastic flow and rheology, shrink and warp, and part design strategies. The **FillPro™** seminar teaches how to diagnose the various root causes of mold filling and part quality variations. Our **MoldPro™** seminar teaches fundamental mold design principles and strategies. Numerous industrial case studies are used in each seminar. The seminars are held either at BTI or at the Member's facility.

### Mold and Part Diagnostic Software

**5S Mold & Part Diagnostic Software** is a template driven database program designed to take the mystery and confusion out of diagnosing mold balance and part quality variations. It works by separating and isolating the root causes so you can focus on systematically reducing your variations.

### Engineering and Consulting Services

BTI offers unique engineering and consulting for **product development, mold and part design, troubleshooting, processing, and part failure**. Coupled with CAE mold filling simulating software and in-house molding and testing capabilities, BTI thinks outside the box when challenged with product design and manufacturing issues.

### Injection Molding Services

BTI's Molding Lab has machines ranging from **3 tons up to 150 tons** with shot sizes of **0.10oz (2.8 GPPS) up to 6.79oz (191 GPPS)**. We utilize Scientific Molding techniques combined with our systematic diagnostic methodologies to provide customers with superior mold sampling, debug, and process setup services.



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Plastics Professional Membership Program

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**PPM**  
program

Plastics  
Professional  
Membership  
Program

The PPM Program provides Members with a cost effective and flexible means of acquiring BTI's entire line of injection molding solutions. This is accomplished by assigning a point value to each of BTI's products and services available in the PPM Program. Members purchase points based upon a "Needs Assessment" analysis and comparing the number of points to the available point-level discounts. The purchased points are then used to acquire any of BTI's products and services as needed.

The points do not expire and can be reassigned from the products and services identified in the original "Needs Assessment" as the specific needs of each project arise. This gives Members complete flexibility in purchasing price, budget allocation, and products and services they can acquire. BTI will also track the point inventory and send quarterly reports to PPM Program Members.

In addition to the other benefits, Members will have access to our "Members Only" website area, which contains: engineering design formulas, technical papers, R&D projects and troubleshooting insight.

**Beaumont**  
BEAUMONT TECHNOLOGIES, INC.

## PRODUCTS & SERVICES

- CAE Mold Filling Simulation
  - General filling & packing
  - Runner sizing
  - Comprehensive (Fill, Pack, Cool, Warp)
  - Family mold balancing
  - Veri-flo™ material verification service
- Plastics Professional Training Seminars
  - FillPro<sup>SM</sup> training
  - DesignPro<sup>SM</sup> training
  - MoldPro<sup>SM</sup> training
- Rheological Control Systems
  - IMARC™ mold insert sets
  - SRC™ mold insert sets
  - MeltFlipper® design service
- 5 Step Process™ Software
  - Single license and maintenance
  - Site license and maintenance
- Engineering and Consulting Service
  - Per Hour Service
- Injection Molding Service
  - 1/2 day service
  - Full day service

## BENEFITS LEVELS

- Level 1 = 100 - 170 pts
  - Level 2 = 190 - 360 pts
  - Level 3 = 400 - 830 pts
  - Level 4 = 1000 + pts
- Note: Recommended number of points are determined through a "Needs Assessment" evaluation.
- Purchasing flexibility
  - Product and service flexibility
  - Pricing flexibility
  - No annual commitment
  - Easily integrates into your company's SOP
  - Access to "Members Only" website area
  - Faster turn-around time
  - Points do not expire