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News@BTI Volume IX, Issue 3 - July 2009

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NPE Recap

Visit our [NPE Recap](#) web page to view some photos of the show and a picture or two of Chicago. The products and information in this newsletter were the main focus of our booth, so in case you missed the show or did not have time to talk to us about all of the items we ask that you take some time to familiarize yourself with them and call us for additional details to see how they apply to your operations.



New Veri-Flo™ Service For Mold Filling Simulation Announced At NPE

Through ongoing projects with our CAE mold filling simulation services, we have identified a need for a low cost solution for upfront comparison of actual molding results versus predicted simulation results. As such, we announced the new Veri-flo™ Material Verification Service at NPE this year.

John Ralston, Engineering Manager at BTI, states "The Veri-flo service offers a big advantage for those analyses that must utilize equivalent or substitute materials because the actual material is not characterized in the simulation database." John continues, "Without the actual material



characterization data, the accuracy of simulation results is more suspect. However, with the ability to mold the actual material and provide feedback to the BTI analysts we can now offer material verified simulation services. Veri-flo also enhances the accuracy for those simulations when the actual material is in the database." Visit our [Veri-flo](#) web page to learn more about this service.

Rheological Control Systems Released At NPE

BTI is known for our flagship product MeltFlipper®, which gained recognition at NPE 2006 as one of the top 3 technologies of the show. At NPE 2009, we expanded upon MeltFlipper® design services by showcasing a complete line of Rheological Control Systems.

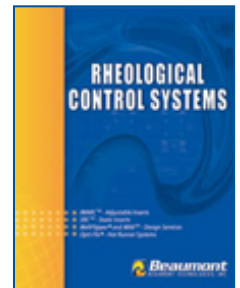
Our Rheological Control Systems provide the molder with control over plastic flow through the mold and into the cavities that was not before achievable. John Beaumont, President of BTI, states "The continued growth of our original MeltFlipper services coupled with customer requests for hard goods has driven the development of our Rheological Control Systems offerings. And don't let cavitation get in your way...we have solutions for all cavitation levels, including single cavity molds."



Rheological Control Systems are broken out into the following categories:

- [MeltFlipper®](#) - license and design services
- [SRC™ Inserts](#) – static rheological control inserts
- [iMARC™ Inserts](#) – adjustable rheological control inserts
- [Opti-Flo®](#) - hot runner systems and components

BTI has developed a detailed product catalog to help mold designers ensure that insert sizes are accounted for during the mold design stage. To learn more, visit the newly redesigned [Rheological Control Systems](#) web page.



'5 Step Process™' Software Version 3.0 Released

Our customer demand for additional runner layouts and improved functionality with data entry has prompted the continued development our '5 Step Process' software. Like earlier versions, 3.0 provides users with a systematic mold balance analysis that greatly facilitates the mold debug and diagnostic procedures. This is accomplished through automatic "flow grouping" of cavities, which helps separate the main sources of mold filling and part quality variations.



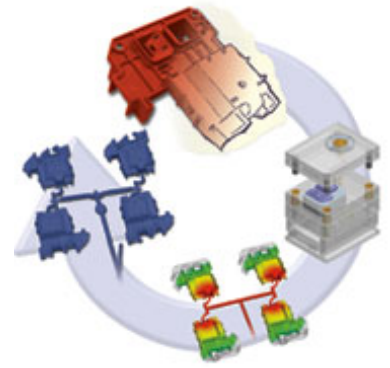
The new 3.0 version updates include the following:

- New standard runner layouts
- Custom scaling of the report graphs
- "Shot Manager" for multiple data entry on one analysis page

BTI offers a 30-day free trial of the software. To request your trial version or learn more about the software, please visit our [5 Step Process](#) web page.

Expanded Offerings Include Engineering, Development, & Consulting Services

Many of our customers have come to rely on our engineering capabilities, insight and services for solutions to problems beyond the melt delivery system itself. Often times we end up becoming an extension of our customer's own engineering department by helping them optimize the entire product development cycle, from design through production. Sometimes our customers are looking to improve an existing product or bring a new product to life. We have also worked with a company to develop a new molding approach for an integral component of a three dimensional scanner.



Because of this demand, we have expanded our services to include various engineering, development and consulting services. These services help ensure that quality and manufacturability are designed in from the start. To learn more, visit our [consulting and services page](#).

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