

Beaumont Technologies, Inc.

World Leader in Mold & Process Optimization Technologies



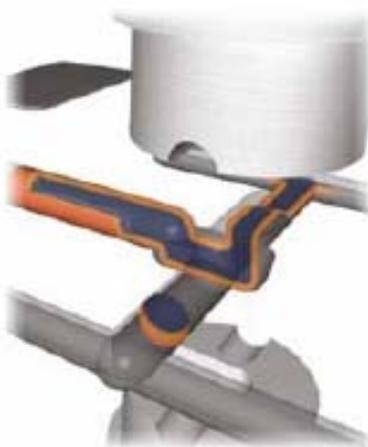
News @ BTI

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NEW MELTFLIPPER ACTIVITY REPORTS

We at BTI pride ourselves on customer service, and in an effort to help our customers fully utilize the benefits of MeltFlipper technologies in their molds, we will be sending you a new MeltFlipper License & Design Activity Report.

The report will help our customers make sure they are on track with their MeltFlipper ROI's and other cost saving goals by providing a quick history/overview of the number of applications used and available per their current contract with BTI. The report is initially scheduled to be sent out once per quarter, but may change depending on customer response.

MeltFlipper® Technical Seminar and Live Demonstrations

Have you heard about MeltFlipper® technology, but are not sure about it and would like to see it work? Well here's your chance! BTI is hosting several technical seminars and live demonstrations of MeltFlipper technology.

Attendees will be able to observe first-hand how MeltFlipper technology provides an unprecedented level of melt-management and control to achieve a filling *and* melt balance within single cavity and multi-cavity molds. Yes...we said *single* cavity molds.

Contact us today to reserve your seat and to experience first-hand what has been recognized by the SPE as one of the most significant developments in Injection Molding.

Cost: **FREE**...but space is limited.

SEMINAR 1

Thursday, January 19th, 2006

Sunset Mold & Prototype
727 Commerce Drive,
Venice, FL 34292

8:30am – 11:30pm

Or

1:30pm – 4:30pm

SEMINAR 2

Thursday, February 23rd, 2006

Krauss Maffei Corporation
7095 Industrial Road
Florence, KY 41042

8:30am – 12:00pm

SEMINAR 3

Thursday, March 16th, 2006

Davidson County Community College
Mendenhall Building (Main Entrance)

297 DCCC Road, Lexington, NC 27295

8:30am – 12:00pm

Reserve your seat today with:

Fred Phillips,
Beaumont Technologies, Inc.
704-545-4000 ext. 134
fphillips@beaumontinc.com

You can also register online by using the following link:

<http://www.beaumontinc.com/registerform.html>

Learn how to take
your process from



To



in less than
10 minutes

Neff-Perkins Case Study - MeltFlipper® success for a 2-Cavity Mold!

Austinburg, OH (April 12, 2005) - Becoming typecast is a great fear for many companies. Beaumont Technologies, Inc. (BTI) is challenging efforts to label the company's technologies as those only applicable to high cavitation molds. To show the diversity of MeltFlipper technology in low cavitation molds, BTI teamed with injection molder Neff-Perkins Company of Austinburg, OH to successfully implement the technology in a 2-cavity "automotive, oil pan gasket backbone" mold (Figure 1).



Figure 1

Small Solutions, Too

Although BTI is known for solving high cavitation molding issues, in the case of Neff-Perkins Company, BTI was able to show how universal melt-management solutions can be for molds of all shapes, sizes, and cavitations.

The problem, as described by Haans Petruschke, Plastics Engineer at Neff-Perkins Company, was that certain areas of the cavity would flash and yet other areas experienced no-fill. The gaskets produced from the 2-cavity parting-line injection mold had plastic flashing through only some of the holes within the part.

Mr. Petruschke reaffirms, "We had a flash and non-fill problem and knew from the start we could not process around the problem since the root cause was a flow induced imbalance." He goes on to say, "Some mold makers try to address flow-induced imbalance problems by changing gate sizes. This is the wrong approach entirely as it can actually make the problems worse. These sort of problems need to be addressed in the runner system through the use of MeltFlipper technology."

"Some mold makers try to address imbalance problems by changing gates. This is the wrong approach."

Immediate Results from BTI's Balancing Act

BTI's Technical Sales Engineer, David Rose, evaluated the melt delivery system and parts from the mold. BTI's evaluation confirmed that the mold suffered from shear related material property imbalances within the parts, commonly known as intra-cavity filling imbalances.

After installing MeltFlipper technology in the mold, "We were off and running immediately," notes Petruschke.

MeltFlipper technology solved the flashing and short-shot issues by evenly distributing the melt, and problem-free gasket carriers were finally being processed. Petruschke's commitment to *Continuous Improvement and Advanced Product Quality Planning (APQP)* is evident by his statement, "Even at low production volumes we strive to reduce defects to a minimum and designing MeltFlipper in the runner fit into this strategy."

Yazaki/Elcom Gains New Competitive Edge from BTI'S "Back To Basics" Training Seminars

EL PASO, TX (September 8, 2005) -- Texas molder Elcom, Inc., a wholly owned subsidiary of Yazaki North America, reports that BTI's newly offered in house training seminars have given them important competitive advantages. As a result of being trained in the basics of rheology and mold designs, the entire art-to-part cycle has been reduced.

"Attendees could easily see and relate to what was taking place – or not taking place – during the molding process."

What set Elcom apart from other firms when offering the courses were the attendees. According to Jorge Cortes, Process Engineer from the firm's El Paso, TX, headquarters facilities, the attendees include some 45-50 professionals at all levels and from functions including tooling design engineers, process engineers, process technicians, supervisors and managers, and quality personnel. As a result, all key functions of the business were brought closer together in understanding the critical aspects of design and the molding process. "Early and immediate success of BTI's training has prompted us to offer these specialized courses to personnel at various levels at most of our other plants" notes Mr. Cortes.

The courses given by the Beaumont training team were "Practical Rheology" and "Runner & Gating Designs". The training sessions include hands-on demonstrations with a "show and tell" of parts manufactured/molded to show how and why molding shortfalls and flaws occur, and how they can be solved or avoided in the first place. "This was an important component of the training," notes Mr. Cortes. "By showing actual parts, attendees could easily see and relate to what was taking place – or not taking place – during the molding process. Thus, all functions from design through QC can now relate and understand the numerous influences that rheology, process changes and mold design practices have on the molded parts."



Visit

**<http://www.meltflipper.com/p&s/training/training.html>
for more information on BTI's training seminars.**



Upcoming Events

Join BTI in these upcoming events to see how we continue to revolutionize the plastics industry!



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MoldMaking Expo 2006
 Novi Exposition Center, Novi, MI
 Date: April 25-26, 2006
 Booth #: 941
www.moldmakingexpo.com



NPE2006
 McCormick Place, Chicago, IL
 Date: June 19-23, 2006
 Booth #: 11224 in McCormick Place East
www.npe.org



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Beaumont Technologies, Inc. (BTI), the exclusive licensor of MeltFlipper® melt rotation technologies, is the world leader in mold & process optimization technologies. MeltFlipper® technologies are 100% GUARANTEED to solve your problematic filling imbalances to ultimately achieve reduced scrap rates, faster cycle times, quicker time to market, and increased process efficiencies.

Our core products (**MeltFlipper®**, **5 Step Process™**, **CAE by BTI™**, and **BTI Training™**) are successfully being used to help produce parts to Six Sigma quality standards in a vast array of industry segments. Contact BTI today and give us the opportunity to help your company become more profitable through our mold and process optimization tools – with **NO NEW CAPITAL EQUIPMENT REQUIRED!**

Please visit www.beaumontinc.com for more details.