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BTI Celebrates 10 Years

BTI is kicking off our second decade of business this year. Emerging into the industry in 1998, BTI has grown from a small, local company to an internationally recognized supplier of injection molding solutions. The past ten years have provided many opportunities to work with industry colleagues in the U.S. and abroad. With a constant stream of new technologies and services, we look forward to growing those relationships as well. The demonstrated success of the past can only predict another triumphant ten years.

Some Things You Might Not Know...

- MeltFlipper® has been proven to reduce cycle times by up to 50%.
- MeltFlipper® and MAX™ technologies are used in single cavity molds.
- Average ROI for MeltFlipper technologies is 14.5x the implementation cost (**download the ROI calculator from beaumontinc.com**)
- 5 Step Process™ Software can be used to monitor and diagnose mold maintenance and wear issues.
- BTI offers full CAE mold filling analysis services (download the CAE Quote Request form at Request Quote)
- BTI offers standard and customized on-site training seminars to fit your needs.
- BTI now provides Product Development services.

How to Meet Your 2008 Cost Reduction Goals

Yes, it's that time of year again...time to figure out how you are going to meet your cost reduction goals of 3%, 5% or even 10%. We understand that the struggle to figure out new ways to cut costs each year can be a very frustrating experience, but sometimes you just need to look in a different place.

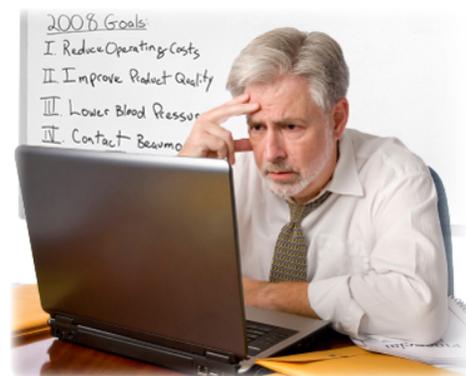
Often these cost reduction opportunities lay within one of the most over-looked aspects of molding...the melt delivery system. Engineers will spend countless hours trying to design an optimal cooling system for a mold, but take a fraction of that time to ensure that the same plastic material flow gets to and within each cavity of their molds.

However with a little know and the right technologies you can optimize your runner system to save valuable time and money.

For example, MeltFlipper® technologies have proven to reduce cycle times by 10-50%; reduce part inspection time by 85%; increase efficiencies by 6.5%, and cut scrap rates by 48%. Also, applying MeltFlipper® technology to your melt delivery systems requires no new capital equipment, and it can be applied to either single cavity (YES, we said 'single' cavity) and multi-cavity molds.

Customers who have made BTI's products and services part of their corporate cost reduction strategy saw an average Return on Investment of 14.5 times the implementation cost. Isn't it about time you made BTI's technologies a part of your strategic corporate initiatives?

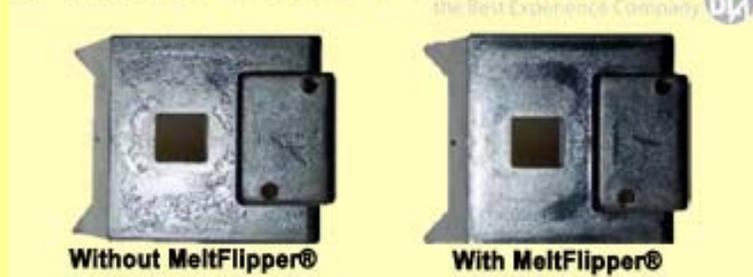
Contact BTI and we will help you figure out where hidden savings may be realized.



Cosmetic Requirements Lead to a \$40,000 Cost Savings in a 4-Cavity Mold...and a Much Happier Customer

While a small cosmetic flaw in a virtually hidden part of a window blind may not bother you in your home, to Springs Window Fashions of Middleton, WI, it was totally unacceptable. Springs Window Fashions (SWF) made finding a solution to this problem mandatory.

SPRINGS WINDOW FASHIONS

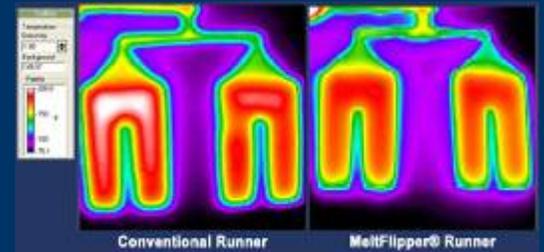


The mold design made it difficult to fully vent the mold, and as a result a 5% reject rate added unforeseen costs. Additional time of 2 hours a day was spent cleaning the mold vents in order to produce parts "as defect-free as possible". "We also had to slow down the injection speed on our 230 ton Van Dorn press, and the additional cleaning time resulted in a production loss of nearly 6.5% per day" recalls Jim Raisbeck, Senior Plastics Engineer at the Middleton manufacturing plant.

"Since we acquired BTI's technology, the cosmetics improved dramatically and we only need to clean the mold at the start of each shift. Now our reject rate is less than 1%; but the best news of all is we get no more complaints about cosmetic defects from our customers. MeltFlipper MAX technology will save us, in addition to a myriad of other headaches, more than \$40,000. As a result, we are in the process of incorporating the technology into other ongoing and new projects."

More Than Just a Filling Imbalance...

Recent thermal imaging studies in Beaumont Technologies' research lab have shown the shear imbalance is much more than just a filling imbalance. Rather it is a true imbalance of material properties. Initial results show temperature differentials on the surface of the part to be as much as 30°F. Now imagine how much the temperature increase is within the polymer to raise the surface temperature by that much.



The implications of the imbalanced temperature results range from increased cycle times (longer time to cool the higher temperature parts), differences in crystallinity, variations in part dimensions, mechanical properties and warp... items that could never be solved through artificial balancing techniques (changing runner/gate sizes, etc...).

Testing will continue in BTI's lab, as well as with customers that have taken a specific interest in these results. Keep an eye out for future updates on beaumontinc.com and in our E-newsletters.



2008 Automotive TOPCON

"New Melt Rotation and In-Mold Adjustable Rheological Control Technology"
Presented by David Hoffman
Marriott Hotel & Conference Center
Greenville, NC
Date: March 26, 2008 9AM
www.4spe.org

Upcoming Events



massPLASTICS 2008

Royal Plaza Trade Center
Booth # 716
Fitchburg, MA
Date: March 26-27, 2008
www.massplastics.com



MME 2008

Rock Financial Showplace
Booth # 631
Novi, MI
Date: April 23-24, 2008
www.moldmakingexpo.com



MoldMaking Expo 2008 Conference

"Effect of Gate Diameter on Filling Imbalance in Multi-Cavity Molds"
Presented by Mason Myers
Date: April 24, 2008 4PM
www.moldmakingexpo.com

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