



News @ BRT

Beaumont Runner Technologies, Inc.

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MELTFLIPPER™ GOES INTERNATIONAL

CoreTech First Overseas Distributor of MeltFlipper™ Technology

A strong first impression can take you a long way.

The ability of the MeltFlipper™ technology to balance a challenging 16-cavity connector mold for Molex Taiwan so pleased CoreTech System Co., Ltd. that the molding simulation developer sought approval to represent and distribute the MeltFlipper in Taiwan and the Far East.

The MeltFlipper is a patented melt management technology that re-establishes symmetrical material properties in a runner system to send polymer of equal temperatures, pressures, and viscosities to all mold cavities. The MeltFlipper was invented by John Beaumont, an associate professor of plastics engineering technology at Penn State Erie.

Hsinchu-based CoreTech licenses Moldex and Moldex3D, the leading

injection molding simulation software in Taiwan. CoreTech's Moldex and Moldex3D software offers 2.5D and 3D simulation capabilities and is the major analysis software for Taiwan's growing base of high-end plastic component molders.

"This is a perfect fit for BRT and the MeltFlipper technology" says

"BRT is a young company and this relationship allows us to better serve our customers with operations in Taiwan"

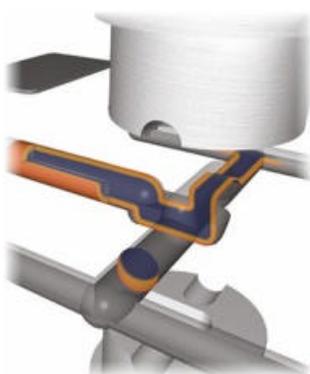
Beaumont, who also is president of BRT. "The largest pitfall of injection molding simulation is the inability to accurately predict and solve the

shear induced imbalance seen in the majority of hot and cold runner tools being built, and how this imbalance influences part filling, shrinkage, and warpage. CoreTech had the insight to see the benefits that the MeltFlipper technology brings to their simulation

software and the plastics industry over outdated methods of artificial pressure balancing. BRT is a young company and this relationship allows us to better serve our customers with operations in Taiwan, such as Molex."

The introduction of the MeltFlipper technology to CoreTech's advanced Moldex and Moldex3D software will solve inefficient operation problems in multi-cavity molds. By implementing the MeltFlipper technology in their tools, CoreTech also expects local customers in Taiwan to finally exceed their current capacity limits for multi-cavity tools. "This agreement represents CoreTech's promise to always provide customers with total solutions, from product and mold design to mass production," says Dr. Venny Yang, CoreTech president.

CoreTech will distribute the MeltFlipper exclusively in Taiwan, and represent the technology in the Pacific Rim and Europe.





ACT NOW TO RECEIVE CURRENT PRICE ON MELTFLIPPER™ TECHNOLOGY!

BRT has increased the licensing fee for MeltFlipper technology. However, current customers have until Sept. 30, 2002, to lock in at current prices.

If you're a potential customer who has received a MeltFlipper license quotation since the first of the year, your beat-the-increase deadline is June 30, 2002.

All new MeltFlipper technology quotes are based on the revised price structure. A BRT sales representative will be contacting all MeltFlipper technology users to discuss how the price increase affects their current licenses and to review licensing options.

**WE'VE IMPROVED
OUR WEB SITE!!**
.....
If you haven't visited
lately, go to
www.meltflipper.com and
check out the newly
added Case Studies and
FAQs pages in the
MeltFlipper section.

MENGES JOINS BRT

Kurt Menges has joined BRT as Corporate Business Consultant.

Kurt has 21 years sales and marketing experience at IBM, where he specialized in manufacturing industry application software solutions for CAD/CAM/CAE, PDM, and ERP. His most recent assignment, with IBM Global Services, focused on consulting engagements for deploying and operating software solutions for a number of global manufacturers.

Kurt will work with potential BRT clients, educating them on adoption of the MeltFlipper technology across their enterprise and developing company-specific license agreements.

You can reach Kurt in the BRT office at 814-898-6523, on his cell phone at 814-450-4213, or e-mail kmenges@runnertech.net.

BEAUMONT IN HANSER GARDNER PUBLICATION

New Book Calls MeltFlipper™ a Standard Practice

John Beaumont, president of Beaumont Runner Technologies, Inc., is



contributing author to Hanser Gardner Publishing's new 500-page *Injection Molding Handbook*.

Beaumont wrote two chapters for the book, one on mold design and one on part design. *Injection*

Molding Handbook is the first technical manual to advocate use of the MeltFlipper melt management technology invented and patented by Beaumont as a standard accepted practice for injection molders.

Later this summer, look for *Successful Injection Molding: Processing, Design & Simulation*, a Hanser Gardner publication co-authored by Beaumont, Bob

Nagle, and Bob Sherman. It will be available for sale at trade shows and on the company's Web site, www.hansergardner.com.

Munich-based Hanser is the largest publisher in the field of plastics, publishing 21 journals and 100 scientific books each year, primarily in German. Its English-language publications focus on plastics engineering and polymer science.



CASE STUDY

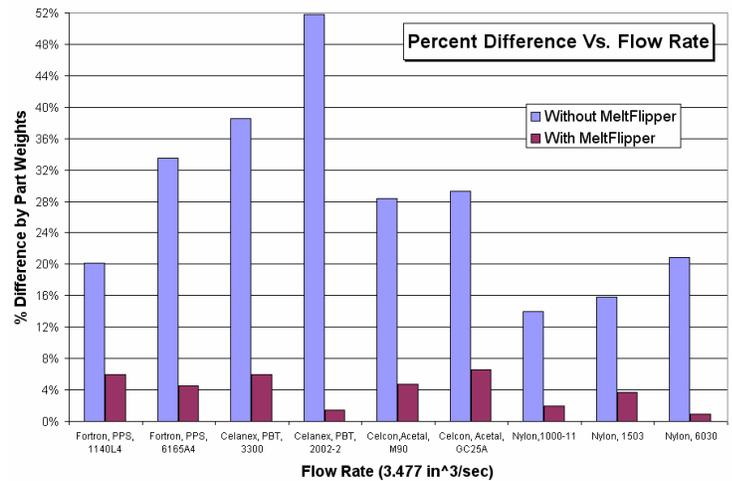
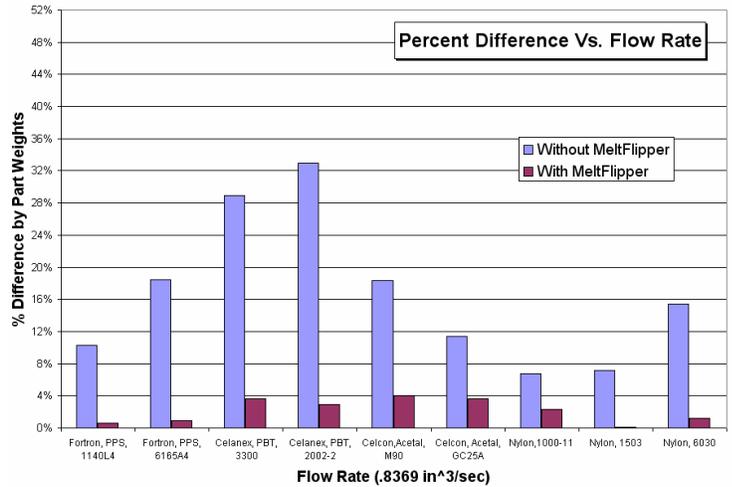
Ticona Material Study With MeltFlipper™ Technology

This case study was done in cooperation with the material supplier Ticona.

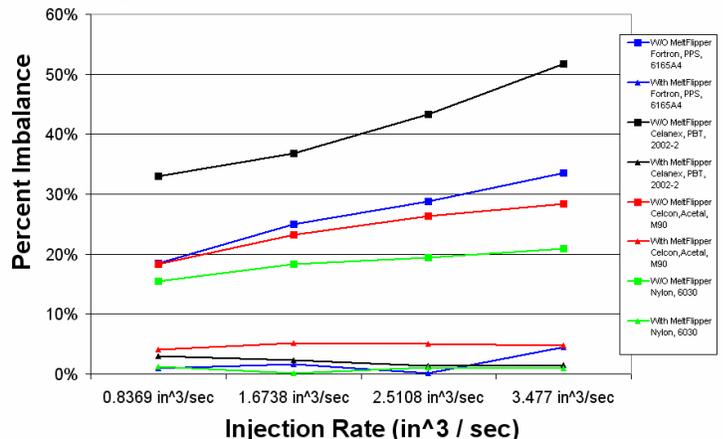
Ticona wanted to study the effect of MeltFlipper technologies on its materials; we studied four different materials, and multiple grades of each. For each material we analyzed four different injection rates with and without the MeltFlipper runner system to see how the imbalance changed due to variations in injection and because of the materials themselves.

Note the variation from process changes and material changes without the MeltFlipper technology. Also note: the MeltFlipper technology provides a balance that is virtually insensitive to material and process changes.

This study was performed using one standard MeltFlipper design for each material. The overall balance could be improved further by optimizing the design for each material.



Injection Rate vs. Percent Imbalance



UPCOMING TRADE SHOWS

Curious about the MeltFlipper technology? Let us explain it in person! We will be at the following trade shows:

PLASTEC EAST 2002

June 4-6 at the Jacob K. Javits Convention Center, New York, NY.

NPE 2003

June 23-27, 2003 at McCormick Place, Chicago. BRT will have 400 square feet of technology and innovation on display.



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Revolutionizing Runner Designs for Injection Molding



WE'RE ON THE WEB:
WWW.MELTFLIPPER.COM

Beaumont Runner Technologies, Inc. is the exclusive licensor of the MeltFlipper™ technology developed by John Beaumont, an associate professor of plastics engineering technology at Penn State Erie. The company is dedicated to revolutionizing melt delivery systems and design practices for both hot and cold runners in the plastics industry. With further R&D and an in-depth understanding of plastic flow characteristics, BRT continues to grow and has now expanded its capabilities and services beyond the development of MeltFlipper technologies. The BRT staff offers full engineering support to MeltFlipper licensees in the various plastics industries.

The **MeltFlipper technologies** are patented approaches to melt-management and melt-rotation within a melt delivery system. The technologies reposition the shear-induced variations in hot **or** cold runner systems to create uniform filling and material properties in all cavities of a multi-cavity tool. By repositioning the melt to provide for natural symmetry, the MeltFlipper technology eliminates variations in temperature, viscosity, and other material properties to and within the inner and outer mold cavities. In addition to creating identical filling in high cavitation molds, the MeltFlipper technologies offer improved Cpk, reduced part scrap and costs, and a wider processing window. The MeltFlipper technology is a low risk investment due to its 100% customer satisfaction **GUARANTEE** to solve the problems associated with filling imbalances.