

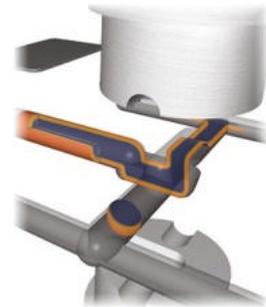


# News @ BRT

Beaumont Runner Technologies, Inc.

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## WELCOME TO News @ BRT



Welcome to the first installment of a semi-regular newsletter communication from Beaumont Runner Technologies, Inc., exclusive licensor of MeltFlipper technology. If you're familiar with the MeltFlipper, you already know that it is the only guaranteed method for

solving mold filling imbalances, every time, in every mold, without question.

If you haven't yet discovered this exciting technology, read on. To help a friend, colleague, supplier, or

vendor balance a problem mold, pass this newsletter along or encourage them to sign up to receive *News @ BRT* at [www.meltflipper.com](http://www.meltflipper.com).

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## MUCELL™ MEETS MELTFLIPPER™ Trexel Endorses MeltFlipper Use In Multi-Cavity Molds

Test results from experiments performed by Trexel, Inc. and Beaumont Runner Technologies, Inc. in Trexel's Woburn, Mass., plastics development laboratory has led the world-wide leader in microcellular technology to

recommend the use of

BRT's MeltFlipper technology, a patented solution for mold filling imbalances, to MuCell clients using multi-cavity molds.

***"To offer a solution to companies that want to use the MuCell process in high-cavitation molds, Trexel and BRT chose to test the two technologies together."***

Laboratory testing demonstrates that using the MeltFlipper technology

in conjunction with the MuCell process in geometrically balanced, multi-cavity molds dramatically reduces the shear-induced imbalance. As a result, cavity-to-cavity part weight variations are virtually eliminated and the overall part consistency and quality are significantly improved.

"The two technologies seem to be a perfect

*(Continued on page 2)*



## BRT HIRES ADDITIONAL STAFF

Beaumont Runner Technologies, Inc. has added additional staff to meet industry demand for MeltFlipper technology. Join us in welcoming:

**John Ralston**, *Operations Manager*. John is a former senior project engineer at the Plastics Technology Deployment Center, a federal technology-transfer partnership between NIST and Penn State located in Erie. He has ten years of industry experience in design, quality control, and research, and holds a joint patent on a flow valve design. John is a graduate of Penn State Erie's bachelor's degree program in plastics engineering technology.

**David Hoffman**, *Technical Sales & Marketing Man-*

*ager*. Prior to joining Beaumont Runner Technologies, David was sales engineer at Mack Molding's corporate headquarters in Arlington, Vt., and engineering manager at JP Products Co. in King of Prussia, Pa. He holds a bachelor's degree in plastics engineering technology from Penn State Erie.

**David Rose**, *Technical Sales Engineer*. Also a Penn State Erie plastics engineering technology graduate, David joins BRT Inc. from the Plastics Technology Deployment Center. Before joining the Center as project engineer in 1999, David was engineering manager at Composiflex in Erie and a tooling engineer at Fisher-Price, East Aurora, N.Y.

## MUCELL™ MEETS MELTFLIPPER™

*(Continued from page 1)*

marriage because each enhances the abilities of the other to further reduce part cost while improving quality" says John Beaumont, president of Beaumont Runner Technologies, Inc.

"The combination of the MuCell process and BRT's MeltFlipper technology gives molders a significant advantage in the marketplace," adds David Bernstein, president and CEO of Trexel. "By producing better parts at a lower cost, molders can expand their markets while increasing their profits."

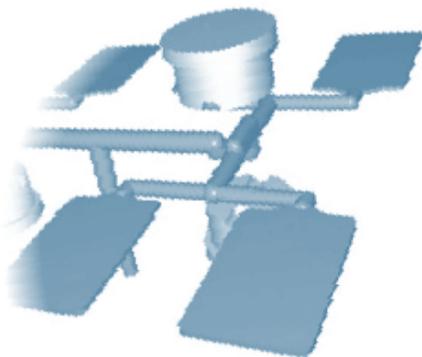
## MELTFLIPPER FEATURED IN *PLASTICS TECHNOLOGY*

"How to Double Molding Productivity" promises the cover of the April 2001 issue of *Plastics Technology* magazine.

"A simple concept called the MeltFlipper allows molders to increase cavitation and maxi-

mize output of quality parts" continues the story inside.

If you missed this six-page feature article, see it on the web at [www.plasticstechnology.com](http://www.plasticstechnology.com). Word search on "MeltFlipper."





## CUSTOMER TESTIMONIAL: Courtesy Corporation, Buffalo Grove, IL

"When we sampled our first MeltFlipper mold, the process technicians, tool makers, and engineers wanted to bet me their paychecks that the MeltFlipper wouldn't fix our imbalances. I wish I would have taken them up on it.

I could understand their skepticism. For over a year we had struggled with new runner layouts and designs and different size runners, but nothing helped. I had gone to an NPE in Chicago specifically to learn about the MeltFlipper because a colleague in the medical devices field had told me he couldn't believe how well it had worked for his firm.

Our mold was an eight-cavity, three-plate mold with three gates per part. Because the part is

***"The difference is like night and day – we went from having a balance of only 5 percent to one of 95 percent."***

for a medical assembly it is critical that it be absolutely flat. Before adding the MeltFlipper the inside cavities packed before the outside runner even filled. The difference is like night and day – we went from having a balance of only 5 percent to one of 95 percent.

We've begun building the next generation of this mold. Because the MeltFlipper creates dependable parts, we are increasing cavitation in the new tool to 16 per mold."

Rick Staedter, *Tech Center Manager*  
Courtesy Corp, Buffalo Grove, IL

## DOW AUTOMOTIVE TECHNICAL MEETING

Too often, materials suppliers are wrongly blamed for molding imbalances. To educate suppliers about the actual causes of imbalance, BRT has been invited to present "The MeltFlipper Technology: The Latest Innovation in Hot



and Cold Runner Technology" at the Dow Automotive Technical Meeting to be held August 9 and 10 at Soaring Eagle Resort in Mount Pleasant, Mich.

### IN YOUR AUGUST IMM

Check out the MeltFlipper story on page 68 of your August issue of *Injection Molding Magazine*



5091 Station Road  
Erie, PA 16563-1702  
Phone: 814-899-6390  
Fax: 814-899-7117  
Email: [dhoffman@runnertech.net](mailto:dhoffman@runnertech.net)

## Revolutionizing Runner Designs for Injection Molding



WE'RE ON THE WEB:  
[WWW.MELTFLIPPER.COM](http://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 the MeltFlipper. The BRT staff offers full engineering support to MeltFlipper licensees in the various plastics industries.

The **MeltFlipper** is a patented technology that repositions the shear-induced variations in hot **or** cold runner melt delivery systems to create uniform filling and material properties in all cavities of a multi-cavity tool. By repositioning the melt to provide for a natural symmetry, the MeltFlipper eliminates shear-induced variations in temperature, viscosity, and material properties within inner and outer mold cavities. In addition to creating identical filling in high-cavitation molds, the MeltFlipper offers improved quality and Cpk, reduced part costs and scrap, and a wider processing window. The MeltFlipper is a low risk investment due to its customer satisfaction **GUARANTEE** to solve mold filling imbalances or BRT will refund your licensing costs.