

D-M-E Company News Release

For Immediate Release

D-M-E to Conduct Turbulent Flow Plastic Baffle Comparison at NPE 2009

Side-by-side plastic and brass baffle comparisons at D-M-E's booth # W103000 and #S24012

Madison Heights, Mich. – June 22, 2009 – D-M-E Company will spotlight its new Turbulent Flow Plastic Baffles for faster mold cooling and reduced cycle times at NPE this year. The turbulent flow plastic baffles feature a proprietary design that eliminates cooling blow-by and seals the plastic blade of the baffle within the mold's cooling channels to ensure uniform cooling. The innovative plastic baffle design creates turbulence within the cooling liquid – typically water or oil – serving to increase heat transfer and cool parts more quickly than traditional baffles.

Attendees visiting the booth will see a live side-by-side comparison of the coolant flow using traditional brass baffles and the Turbulent Flow Plastic Baffles. As the technology is new to the market, this demonstration will help to visualize the new concept D-M-E's baffles introduce for molders and moldmakers.

Made entirely with an engineering grade thermoplastic – non-hygroscopic, glass-reinforced polyphthalamide – Turbulent Flow Plastic Baffles perform extremely well even in high heat production environments and maintain their rigidity and other physical and mechanical properties at high temperatures over time. They are less expensive than brass baffles and because they can be cut to length with standard shears, there is no need for secondary procedures associated with cutting and soldering traditional brass baffles.

“The Turbulent Flow Plastic Baffle is an excellent example of our new approach to product development,” said Bob McKee, President of D-M-E Company. “We complement our engineering talent with the expertise of global partners and inventors to bring the most innovative, problem-solving, products to market more quickly than ever before.”

Incorporating a Turbulent Flow Plastic Baffle into a mold's design nearly eliminates stagnant laminar flow cooling as turbulent flow dissipates about three times the BTUs compared to laminar flow. This cooling method reduces “hot core” syndrome, lowers the ΔT across the mold surface and increases coolant velocity. Better cooling at the hot-spots in a mold can result in significant improvements in overall cycle times, sometimes approaching 20 percent or better. The feedback and response from beta testing of D-M-E's Turbulent Flow Baffle has been overwhelmingly positive.

Attendees looking to learn more about this cycle-time improving technology are invited to attend the presentation on, “The right baffle technology in your mold optimizes cycle time and quality” as part of the MoldMaking Expo. Chuck Azzopardi, Global Business Manager of Components at D-M-E Company will be speaking to this new technology, along with the inventor and a current mold shop user, on Wednesday, June 24, from 9:15 am to 10:15 am.

D-M-E Company is an essential mold technologies resource to customers worldwide. Through aggressive new product development, global product standardization and a powerful combination of in-house manufacturing centers of excellence and strategic global partnerships, D-M-E is helping customers succeed in changing times. The company's standard-setting, comprehensive product line—including hot runner systems; control systems; mold bases and components; mold making and molding supplies; and cold runner systems for elastomers — is backed by expert technical service every step of the way. A subsidiary of Milacron, Inc., D-M-E also manufactures and sells standard tooling for the die-casting industry. Visit www.dme.net for more information.

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For more information or to schedule an interview at NPE, please contact:
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