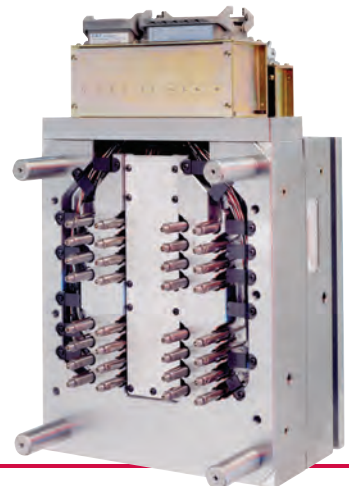




# EVERYTHING HOT RUNNERS EVERY STEP OF THE WAY



From single nozzles to  
fully assembled hot halves ...  
and everything in between



## Everything Hot Runners

In the relentless drive to reduce costs, improve part quality and speed time to market, hot runners are an increasingly hot item. But every application is unique. How can you ensure you get a hot runner system that delivers all the results you're looking for in your project?

DME is your essential resource for **everything hot runners ... every step of the way.**

### What We Mean by 'Everything Hot Runners'

At DME, we've been in hot runners since the very beginning of this powerful technology – from introducing the "Cool One" in 1972 all the way up to advancing new Electric Valve Gate technology today.

DME has a comprehensive and continuously evolving selection of high-performing hot runner components and systems that's second to none. And no matter how much or how little you need from DME for your system, rest assured it always comes with our expert support and commitment to your success.

- **A complete range of products.** From single nozzles, to multi-nozzle assemblies, to fully assembled hot halves for virtually any need.
- **Applications engineering.** Determining the right hot runner for your application and maximizing results.
- **Moldflow modeling.** To make sure your process and your system are optimized for your application.
- **Responsive service.** Startup, repair and rebuild – at our facility or yours.

### Expertise to Match Your Application

First, turn to DME's experienced team of mold designers and applications engineers for help determining which of two main varieties of hot runner systems you need.

We'll look at the materials you'll be running, temperatures, drop locations, gate diameter, viscosity and more to determine your ideal hot runner options for the most material savings, shortest cycle times and greatest part quality enhancements possible.

#### Valve Gates

- Good for superior gate cosmetics, sequential part filling and the elimination of trimming and secondary operations
- Available in hydraulic, pneumatic and electric actuation
- For nearly any material type and from small to large parts

Our fully integrated multi-use valve gate system is ideal for products that require different production volumes. And through our alliance with P.E.T.S., we offer the cleanroom-friendly, high-speed EVG.

#### Thermal Gates

- The more common option, available at relatively lower costs and in a greater variety of standardized products
- Great for high cavitation molds with close cavity pitch dimensions
- A range of externally heated systems for outstanding processing results



Applications Engineering

Hot Sprue Bushings

Valve Gates

Full Hot Half Systems

Nozzles

## A Full Range of Great Products

Whatever your application, DME has the right solution – with the widest selection of high-quality hot runner systems and components in the marketplace.

### Nozzles

Whether you're building your own hot runner or replacing parts in an existing system, DME has the nozzles that will help make your project a success.

Because we understand the need for heater replacements and other maintenance, nearly all of our nozzles are front loading for fast, simple service access to your system.

### Manifolds and Nozzles

DME manifold-and-nozzle combinations or multi-nozzle assemblies provide customers with the foundation for building a world-class hot runner system.

Every one of our industry-leading nozzles and full hot half systems offer complete flexibility for your unique application.

### Hot Sprue Bushings

When you have a single-cavity mold but still need the benefits of a hot runner system, the hot sprue bushing is your solution. DME offers several great models to customize to your application.

Hot One Hot Sprue Bushings can handle engineered and commodity resins. Straight-Shot will help you reduce cycle times and save on material. Gate-Mate minimizes gate vestige and eliminates the witness lines commonly found on direct gated parts.

In addition, internally heated options such as the Cool One provide greater energy efficiency, faster start-ups, shorter cycle times and other benefits.

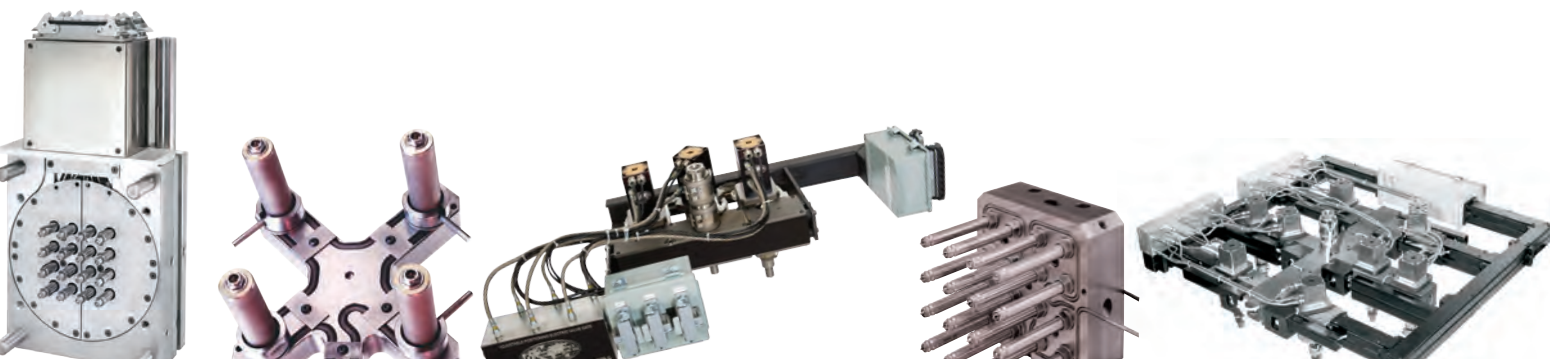
### Full Hot Half Systems

Need a custom hot runner system reflecting your unique gate locations, materials and other parameters? Looking for a proven standardized system for greater cost effectiveness?

Either way, you've come to the right place. DME has total system solutions for every need:

- **High cavitation.** Galaxy can accommodate up to 96 cavities.
- **Economical choices.** Gate-Mate works great for direct gating at high cavitation and low cost.
- **Micromolding.** Stellar is precision engineered for tight pitch/small part molding.
- **Easy operation.** The Hot One has long been known as the industry standard in user-friendliness, reliability and affordability.
- **"Green" molding.** The Eco-Smart was the first system engineered to overcome the unique challenges of processing biodegradable, starch-based resins including polylactic acid (PLA).
- **Quick delivery.** Stellar comes in 4-, 8- and 16-drop configurations ready to ship in 10 days or less, or full systems in as little as 3 weeks. Meteor 2- and 4-drop systems can be custom configured for economical, yet versatile solutions.

Plus, when you choose DME, you can also get valuable extras that competitors don't offer – including an installation kit with all rails, plate work you need for a complete, turnkey hot runner package; and advanced temperature controls optimized for your hot runner system.



Thermal Gates

Manifolds and Nozzles

Electric Valve Gates

Multi-Nozzle Assemblies

Unitized Systems

## Everything Hot Runners

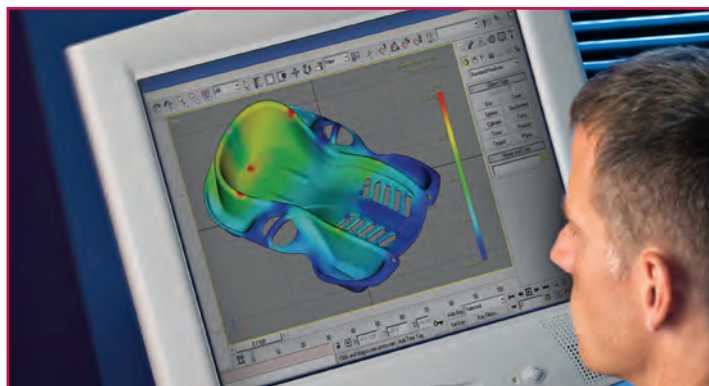
### Dedicated Support to Ensure Your Success

DME's commitment to your success with a hot runner system goes well beyond delivering the best hot runner products in the marketplace. You also get expert support that ensures you achieve the best results from your system over its life cycle.

### Moldflow Modeling

Comprehensive analysis and modeling conducted by experts that understand molding will optimize part and mold design so you can meet today's tough demands for faster time to market, lower costs and higher quality.

Moldflow, mold fill, mold pack, mold cool, MPI 3D and warp analysis are offered for every system we provide, and are available as a service if you're building your own system.



### Hot Runner Service Center

Repair. Reconfigure. Rebuild. Whatever help you need with your hot runner system, our dedicated team is prepared to respond rapidly and produce results that ensure maximum uptime and performance.

Our capabilities include cleaning, training and mold tryouts – all designed to help make the best use of your valuable time and best leverage the decades of hot runner expertise we have to help you.

In addition, wherever you're located, across the globe, DME has hot runner experts ready to visit your site for start-ups, personnel training or system service.



So how can we help you succeed with a hot runner system?

Call **888-4-DME-HOT** to talk to a DME hot runner specialist. For more information, visit [www.dme.net/dme/everythinghotrunners](http://www.dme.net/dme/everythinghotrunners).



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