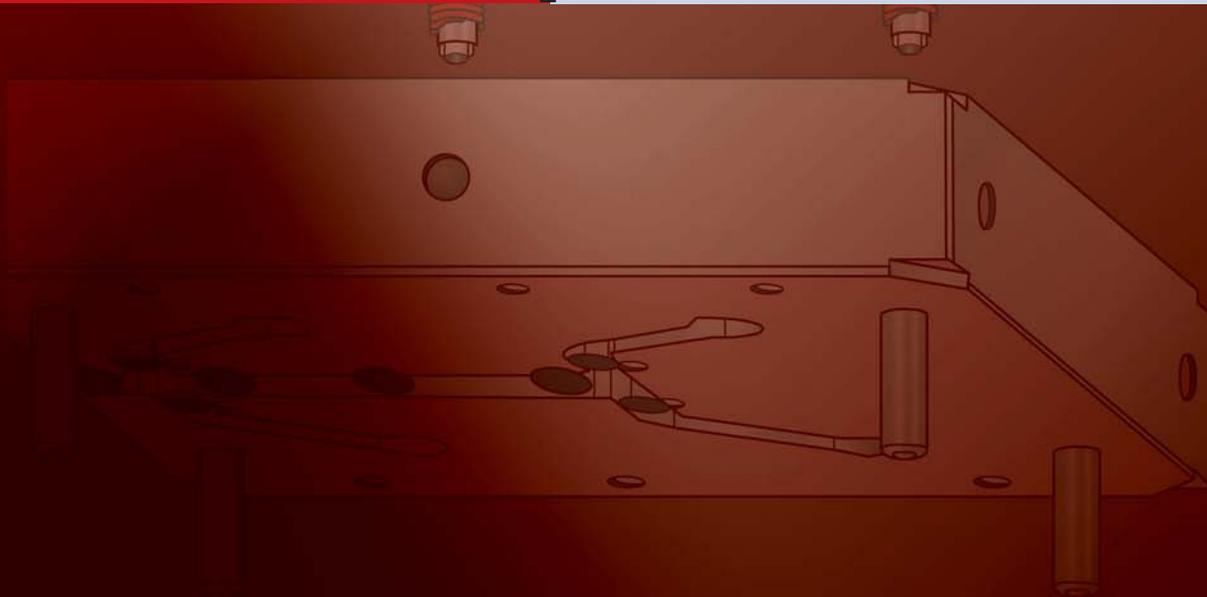
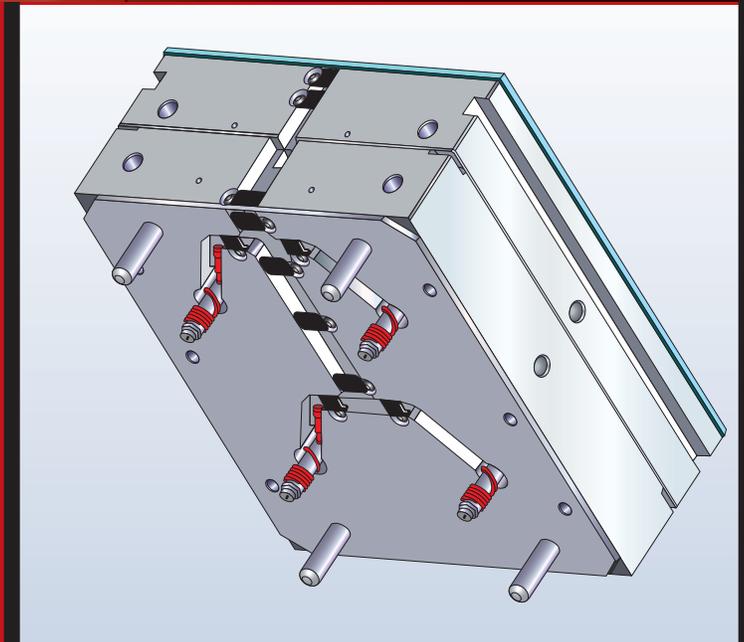




DME Hot One Hot Runner Technology

A LONG-STANDING
INDUSTRY STANDARD
IN USER-FRIENDLINESS
AND AFFORDABILITY



Features and Benefits

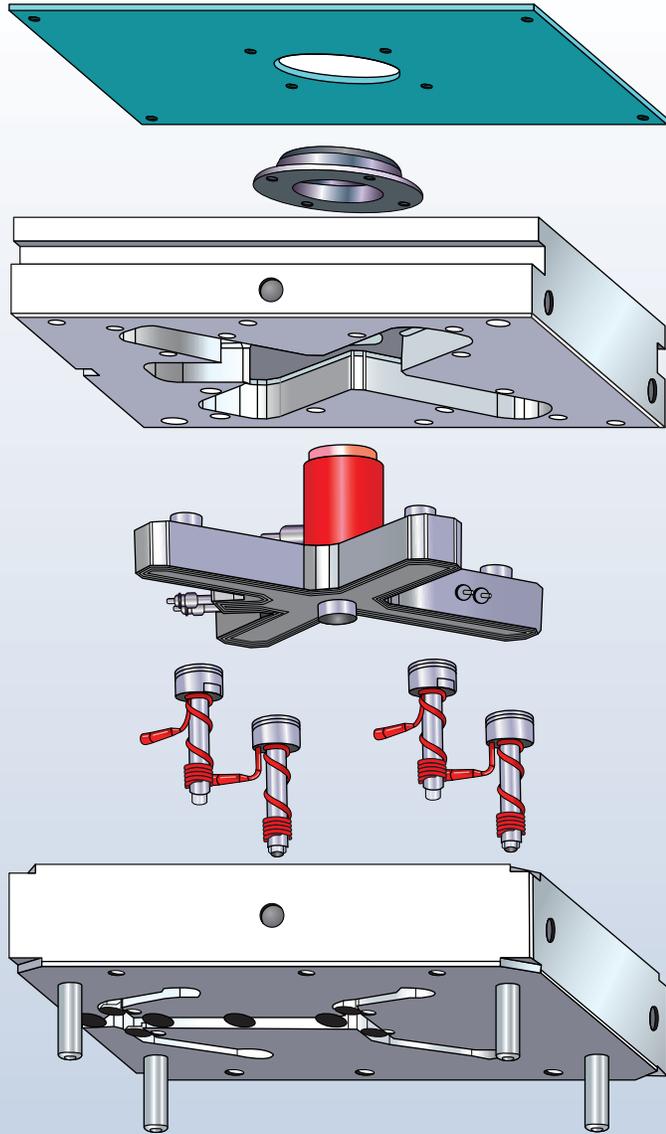
Our ongoing customer-driven philosophy has fostered many new and innovative systems and components, allowing you to take advantage of more than seven decades of leadership in injection molding technology. The DME Hot One has become an industry standard in technology, user-friendliness, and affordability. Available in two styles – Tubular and Cartridge Heated – The Hot One is also available as a complete Hot Half System.

Tubular Heated Systems

Using exclusive, distributed wattage Tubular Heaters, the DME Hot One System can process many engineering grade resins. Tubular Heaters reduce the number of zones of heat required, providing the added benefit of lowering your temperature control costs.

Cartridge Heated Systems

If the application would be better served using Cartridge Heaters, DME has the resources to accomplish the task. Cartridge Heaters have been used in hot runner systems for years and still offer some clear advantages ... they are available off-the-shelf and are supplied in many different lengths, diameters and wattages.



The DME Hot One, a long-standing industry standard in technology, user-friendliness and affordability, is available in two styles – Tubular and Cartridge Heated – and as a complete Hot Half System.

Nozzles

Each DME nozzle series has its own advantages and characteristics to meet your needs.

Nozzles

The DME Hot One is accompanied by a nozzle offering that allows versatility in system selection to best suit the material and molded part configuration. DME offers three different styles of nozzles: The "EHA" series, using square coil heaters; The "CIA" High Performance series, using cast-in heaters; and the Gate-Mate®. Each nozzle series has its own characteristics and advantages.

For example, the "EHA" series of nozzles can be used for many applications using commodity resins with low crystallinity. The "CIA" series, with cast-in heaters developed exclusively for DME, can be used for all applications, especially engineering grade resins with a high degree of crystallinity. The Gate-Mate series is commonly applied to applications using commodity grade resins and close center-to-center dimensions.

"EHA"/"CIA" Nozzles



Gate-Mate Nozzles



Ordering Options: Use this information and our design and machining guidelines to build your system, or take advantage of DME Applications Engineering services to help you select the system best suited to your requirements. Then, either order the steel and components to construct your system or let DME do all of the machining, assembly and wiring for you.

Nozzle Tips

Nozzle Tips

As applications in the plastics industry have become increasingly complex and more demanding, DME engineers have risen to the task to provide tip technology to suit a variety of applications. A variety of interchangeable tip styles are available for both the "EHA"/"CIA" series and the Gate-Mate series nozzles.



Gate-Mate Tips, L to R: Standard, Wear Resistant, Super Sharp, Thru Hole, No Hole

Gate-Mate Tips

- **Standard and Wear Resistant** – Used in applications calling for low vestige. Its unique design provides for good gate cosmetics and fast cycle times. The wear resistant version is suited for abrasive or filled materials.
- **Super Sharp** – Used for the same applications as the Standard Tip, it offers better annular flow and optimum gate cosmetics.
- **Thru Hole** – Used in applications with longer flow lengths and more viscous resins.
- **No Hole** – Where the orifice details of other tips is not suitable, this tip allows for machining of a customized orifice to suit your application.

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"EHA"/"CIA" Tips



- **Sprue Gate/Extended Sprue Gate** – Used primarily in applications where gate vestige is not a concern. Offers minimal flow resistance and handles most resins very effectively. Extended style provides additional stock for machining of runner profiles or part contours.



- **Point Gate** – Used for applications needing optimum gate cosmetics, this tip can run a wide range of resins. It has two interchangeable needles, standard and wear resistant. The wear resistant needle is especially useful for abrasive or filled material applications.



- **Ring Gate** – Used for low vestige, commodity grade resin applications. The Ring Gate features a sealed tip for efficient shut-off at the parting line.