

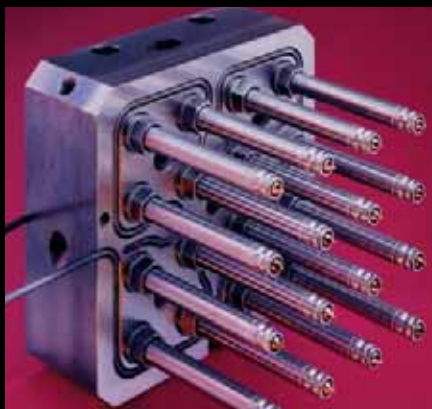
D-M-E Thermal Gate Hot Runner Systems

Proven externally
heated systems that
achieve outstanding
processing results



D-M-E
Every step of the way

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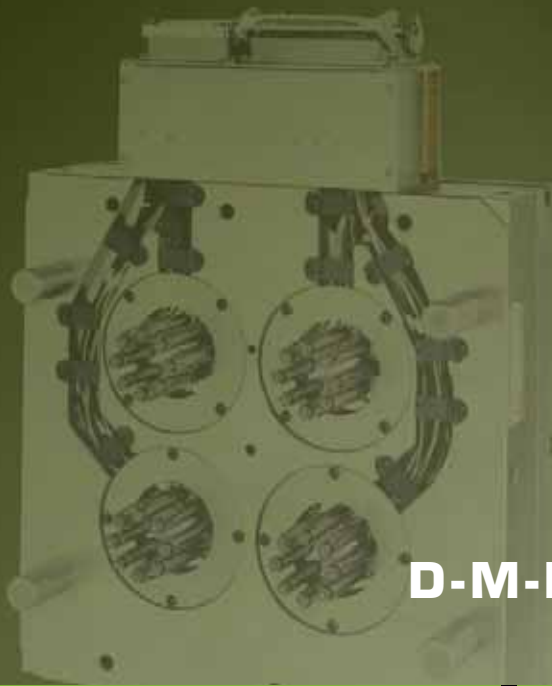
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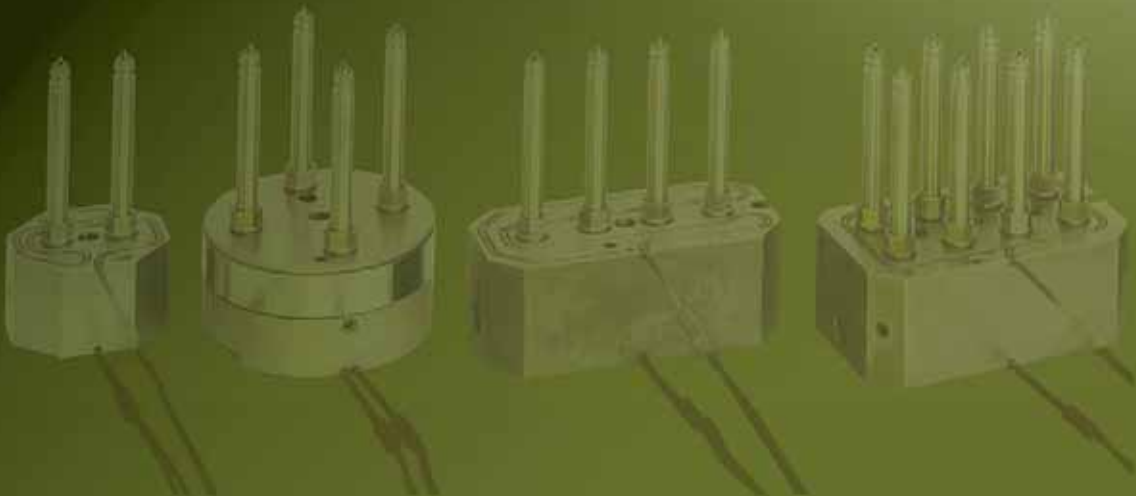
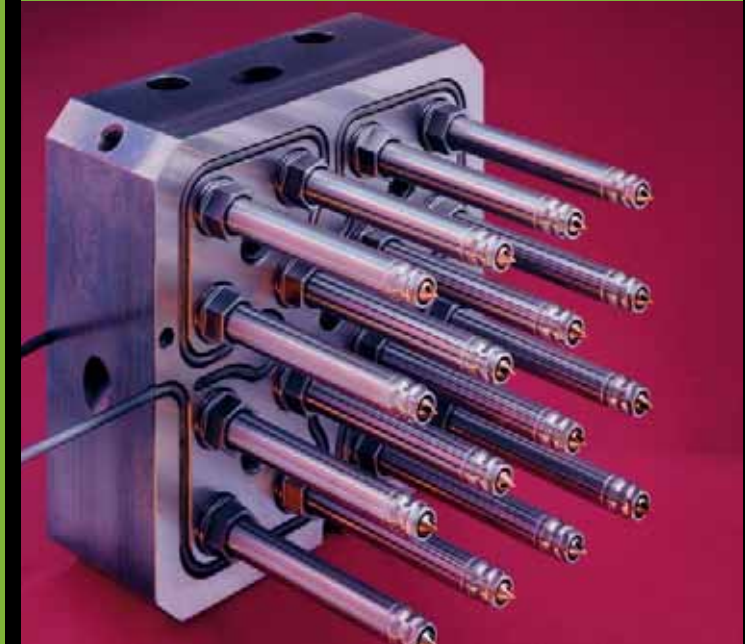
Online Price Guide

Go to www.dme.net/prices for the latest pricing guide.

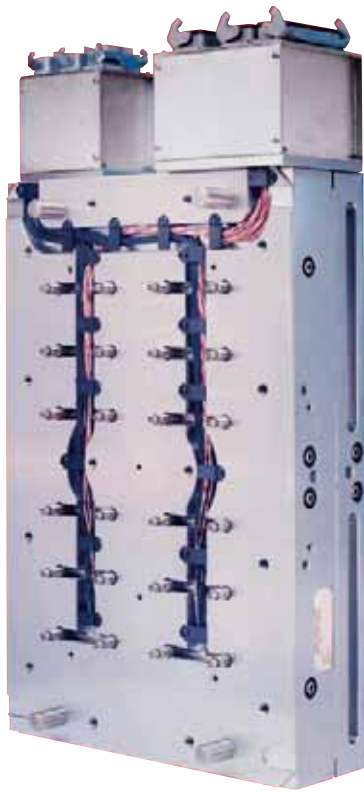


D-M-E Stellar Micromolding Hot Runner Systems

PROVEN SOLUTIONS FOR PRECISION
THERMOPLASTIC MICROMOLDING



Stellar Hot Runner Systems – Benefits



Engineered for the Challenges of Tight Pitch Molding

The D-M-E Stellar™ Hot Runner System brings high performance, exacting precision and flexible, cost-effective modular construction to very small part molding. With as little as 17mm between centers, Stellar is also ideal for high-cavitation molding.

Demand the Best – Demand D-M-E

D-M-E has been a leader in mold technologies for seven decades. Nobody beats D-M-E for quality products, quality service and quick delivery. Like all D-M-E products, Stellar Hot Runner Systems come with your satisfaction 100% guaranteed.

Get the Modular Advantage

Stellar is based on new D-M-E hot runner system architecture to deliver tremendous flexibility. Seven different “A” dimensions, two interchangeable tip options, and a choice of manifold styles enable D-M-E to easily configure a Stellar solution that matches your application. Quickly, cost-effectively and with optimal results.



For a Wide Range of Applications

Stellar is perfect for today's rapidly expanding array of micromolding projects. Stellar was designed to perform in a broad spectrum of applications – including electrical, electronic, medical, and cosmetic packaging. And, Stellar was designed to process demanding engineering resins without property degradation.

Stellar Hot Runner Systems – Benefits

CUSTOMER DESIGN
CRITERIA FORMS

CDC

To provide your Stellar™
application specifications,
visit www.dme.net/cdc



Excellent Results with Engineering Thermoplastics

The complexity of today's very small part molding applications demands the added properties of high performance engineered materials. Stellar was designed for outstanding processing of these materials. Challenging amorphous materials such as PET or crystalline materials including PBT and PA are easily processed with the Stellar Hot Runner System. Highly conductive tip designs and precise heat profiling in all nozzle lengths ensure consistent processing temperatures.

Modularity Increases Application Flexibility

The Stellar Hot Runner System from D-M-E is built on a standardized architecture of modular components. Key features include:

- Choice of balanced multi-nozzle assemblies (MNAs) for stand-alone use or under a manifold for higher cavitation molds
- Threaded nozzle connection for standard manifolds and compression nozzle connection for custom manifolds
- Seven different "A" dimensions from 45-105mm are available
- Two interchangeable tip styles – point gate and sprue gate



Stellar Hot Runner Systems – Technical Guides



Stellar Hot Runner Systems
Round & Rectangular MNAs – Quick Reference Guide



Stellar Hot Runner Systems
Round MNAs – Design and Assembly Guide



Stellar Hot Runner Systems
Rectangular MNAs – Design and Assembly Guide

Detailed Design and Assembly Guides

Stellar Hot Runner Systems are supported by detailed application guides that assist users in applying proven D-M-E micromolding technology to a variety of applications. The Stellar Quick Reference Guide is intended to provide options for gating, nozzle selection and layout. The Stellar Round MNA Design and Assembly Guide and the Stellar Rectangular MNA Design and Assembly Guide provide more precise information, including item numbers and machining specifications.

The Stellar Quick Reference Guide overviews the gate details for D-M-E Point Gate and Sprue Gate Tips. In addition to assisting with nozzle selection, the document provides manifold options for both Stellar Round and Rectangular MNAs, as well as general assembly information for the systems.

The Stellar Round MNA Design and Assembly Guide offers detailed pre-assembly and machining guidelines, and provides both inch and metric dimensional information. The Stellar Rectangular MNA Design and Assembly information offers similarly detailed pre-assembly and machining guidelines for both inch and metric. The document provides these guidelines for 2-drop, 4-drop, 6-drop, 8-drop, 12-drop and 16-drop multi-nozzle assemblies.

