THE BENCHMARK IN HOT RUNNER PERFORMANCE AND RELIABILITY

Proven to deliver consistent high performance processing capabilities for exceptional part quality. Compatible with a wide range of resins, Master-Series is the ideal choice for almost any application across any industry.

KEY FEATURES

MASTER-SERIES NOZZLES
• Industries broadest nozzle range.
• Excellent thermal profile (10% Max Variation*).
• Enhanced process repeatability.
• Scrap reduction.

BRAZED HEATER TECHNOLOGY
• Full heater contact optimizes heat transfer.
• Superior system thermal balance.
• Exceptional reliability minimizes downtime.
• Eliminate spare heater costs.

iFLOW MANIFOLD TECHNOLOGY
• Best in-class melt management.
• Industry leading mold balance.
• Rapid color change performance.
• Extensive flexibility for design optimization.
• Patented melt flow geometry, flow path options and runner shapes.

ENERGY EFFICIENT
• Up to 27% (avg.) lower power consumption than competitive systems.

*Based on internal bench test results. Actual results may vary.

**Please speak to a MM representative for complete warranty details. Some conditions and/or limitations apply. Subject to change without notice.
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>NOZZLE RANGE</th>
<th>FEMTO-LITE</th>
<th>FEMTO</th>
<th>PICO</th>
<th>CENTI</th>
<th>DECI</th>
<th>HECTO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shot Size* (g)</td>
<td>&lt;1 – 5</td>
<td>5 – 10</td>
<td>10 – 20</td>
<td>15 – 50</td>
<td>50 – 500</td>
<td>500 – 3,500</td>
</tr>
<tr>
<td>Runner ø</td>
<td><strong>Non-Valved (mm)</strong>*</td>
<td>3.5</td>
<td>5</td>
<td>5</td>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td><strong>Valved (mm)</strong>*</td>
<td>4</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>11</td>
</tr>
<tr>
<td>Min Pitch†</td>
<td><strong>Non-Valved (mm)</strong>*</td>
<td>19</td>
<td>22</td>
<td>28</td>
<td>31</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td><strong>Valved (mm)</strong>*</td>
<td>26</td>
<td>26</td>
<td>28</td>
<td>31</td>
<td>45</td>
</tr>
<tr>
<td>Bore Cut-Out ø (mm)</td>
<td>12</td>
<td>16</td>
<td>22</td>
<td>26</td>
<td>32</td>
<td>42</td>
</tr>
<tr>
<td>Total Length Range (mm)</td>
<td>57-237</td>
<td>57-222</td>
<td>51-211</td>
<td>52-212</td>
<td>68-248</td>
<td>80-480</td>
</tr>
</tbody>
</table>

*Application dependent. †Standard designs. Tighter pitches may be possible. Please consult MM regarding your application.

**AVAILABLE GATING STYLES**

**NON-VALVED**
- E-Type Torpedo (+Extended)
- F-Type Torpedo (+Extended)
- Bi-M C-Sprue
- Hot Sprue (+Extended)

**VALVED**
- Accu-Valve MX
- Accu-Valve GX
- Cyl. Hot Valve - CP
- Bi-M C-Valve
- Accu-Valve CX
- Cyl. Hot Valve
- Cyl. Hot Valve - LX
- Hot Valve

**ADVANCED CAPABILITIES**
- High cavitation
- Tight pitch
- Inside gating
- Side gating
- Multi-tip
- Stack molds
- Multi-material

**ACTUATION OPTIONS**

**STANDARD**
- Hydraulic Cylinder
- Pneumatic Cylinder

**ADVANCED**
- SeVG+ (Servo electric Valve Gate)
- Synchro Plate (Electric/HY/PN)
- SVG (Sequential Valve Gate – HY/PN)

To ensure your mold operates at peak performance and delivers ultimate process control, Mold-Masters recommends using TempMaster controllers with all Master-Series Hot Runner systems. Unlock your operations full potential with TempMaster.