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
- Superior thermal balance and reliability.
- Eliminate spare heater costs and minimize downtime.

IFLOW MANIFOLD TECHNOLOGY
- 2pc brazed manifold design.
- Runners are carefully milled and polished.
- Eliminates sharp corners and dead spots.
- Industry leading mold balance.
- Rapid color change performance.

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

QUICK AND EASY MAINTENANCE
- In-press service capabilities.

Master-Series excellent thermal profile.*

*Based on internal bench test results. Actual results may vary.
Master-Series has the ability to do it all.

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

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></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Valved (mm)</td>
<td>3.5</td>
<td>5</td>
<td>5</td>
<td>6</td>
<td>8</td>
<td>12</td>
</tr>
<tr>
<td>Valved (mm)</td>
<td>4</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>11</td>
<td>16</td>
</tr>
<tr>
<td>Gate Sizes (mm)</td>
<td>0.6 – 1.5</td>
<td>0.6 – 1.5</td>
<td>0.6 – 2.5</td>
<td>0.6 – 2.5</td>
<td>0.6 – 4.0</td>
<td>1.5 – 5.0</td>
</tr>
<tr>
<td>Length Range (mm)</td>
<td>40 – 223</td>
<td>40 – 205</td>
<td>31 – 221</td>
<td>25 – 224</td>
<td>35 – 253</td>
<td>50 – 488</td>
</tr>
</tbody>
</table>

*Application dependant

AVAILABLE GATING STYLES

VALVE GATING OPTIONS
- Accu-Valve CX
- Accu-Valve MX
- Accu-Valve LX
- C-Valve
- Hot Valve

THERMAL GATING OPTIONS
- E-Type Torpedo (+Extended)
- F-Type Torpedo
- C-Sprue
- Hot Sprue (+ Extended)

ACTUATION OPTIONS

STANDARD
- Hydraulic Cylinder
- Pneumatic Cylinder

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

ADVANCED MOLDING CAPABILITIES

Master-Series has the ability to do it all.

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.