THE GLOBAL EXPERTS ON HOT RUNNER SYSTEM BALANCE

Mold-Masters dedicates its global resources into delivering molds with the best balance performance in the industry. iFLOW manifolds are exclusive to Mold-Masters and much more goes into them than just simple steel. Unlock your operations full potential with Mold-Masters technology.

KEY FEATURES

GLOBAL SUPPORT NO MATTER IN WHICH PART OF THE WORLD

- A comprehensive pool of knowledge and experience.
- Access to our extensive test library with thousands of application results.
- Thermal control across the entire system.

SIMULATION SERVICES

- Dedicated design and simulation specialists.
- Committed to optimizing mold balance for each individual application.

iFLOW MANIFOLD

- Patented 2-pc Brazed Design.
- Runners are carefully CNC milled with curved paths and polished.
- Endless flow path options and runner shapes for complete design flexibility.
- Fully naturally balanced.
- Multi-level design that allows for stack height reduction by up to 22%.

BRAZED HEATER TECHNOLOGY

- Optimizes heat transfer.
- Enhances mold balance performance throughout the complete system with an even temperature profile fit to your application.


iFLOW TECHNOLOGY
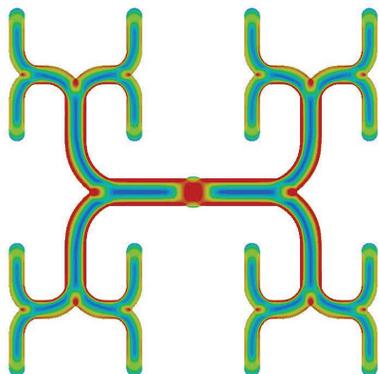
Enhanced shear control
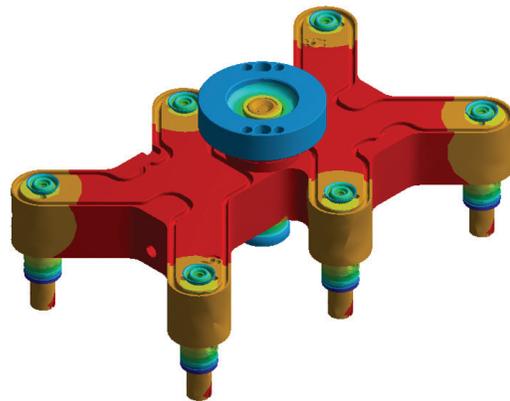
iFLOW   **CONVENTIONAL**
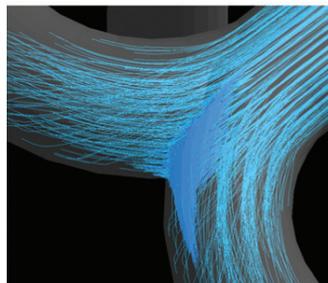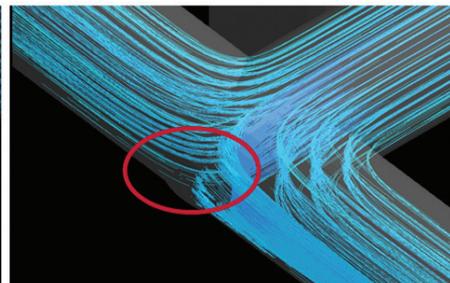
![Mold Masters logo]

DELIVERING CUSTOMER RESULTS

OPTIMAL BALANCE PERFORMANCE: 1.7% TOTAL VARIANCE ON SMALL TECHNICAL PARTS

When Mold-Masters technology and decades of experience comes together anything is possible.
Our customers rely on our high performance capabilities to deliver solutions where others fall short.
iFLOW can deliver precision mold balance with a total variation to within 1.7% on small, difficult to mold,
highly technical, medical components. Unlock your operations full potential with Mold-Masters technology.

APPLICATION DETAILS

Application: Medical

Part: Rear Barrel

Cavities: 32

Material: MABS

Part Weight: 0.35g

Shot Weight: 11.2g

* **Lightest**: -1% (0.0035g)

* **Heaviest**: +0.7% (0.0025g)

* **Percent Fill**: 96.5%

Imbalance From Mean

-10.00% -9.00% -8.00% -7.00% -6.00% -5.00% -4.00% -3.00% -2.00% -1.00% 0.00% 1.00% 2.00% 3.00% 4.00% 5.00% 6.00% 7.00% 8.00% 9.00% 10.00%

Cavity #

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

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