

HIGH-PERFORMANCE SINGLE-STAGE PET THERMAL GATED HOT RUNNER SYSTEM

It's time to modernize your single stage production. Mold-Masters new thermal gated system brings the latest processing technology to enhance molded part quality, increase productivity and lower cost per part.

AXIOM (TG) is an economical direct replacement to many existing outdated single stage hot runner systems.

KEY FEATURES

NEW AXIOM TG NOZZLE

- Optimized for single stage PET.
- Excellent thermal profile enhances part quality.
- Individual temperature control.
- No risk of decay.
- Field replaceable heater sleeve.
- Threaded base for integrated leakage protection.

NEW THERMAL GATE DESIGN

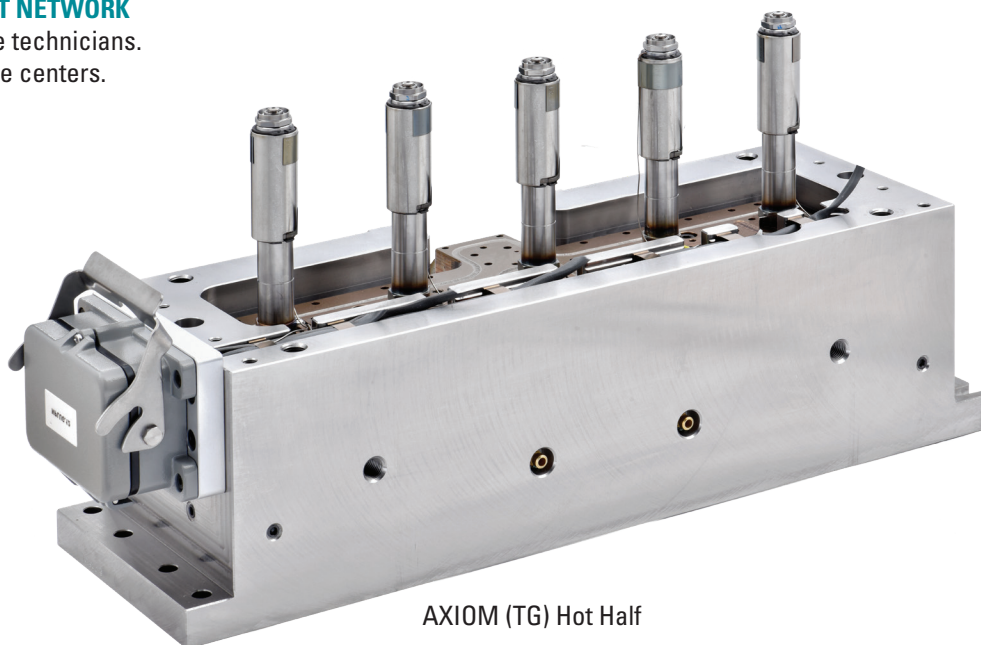
- Reduces crystallinity in the gate.
- Prevents stringing.
- Industry standard cut-out.
- Seals on the face.

IFLOW MANIFOLD TECHNOLOGY

- Homogeneous melt delivery significantly enhances bottle-to-bottle consistency.
- Optimized runner diameters enhances processability.
- Rapid color change performance.
- Extended maintenance intervals.
- Available 10-year brazed heater warranty.

GLOBAL SUPPORT NETWORK

- 140 field service technicians.
- 15 global service centers.



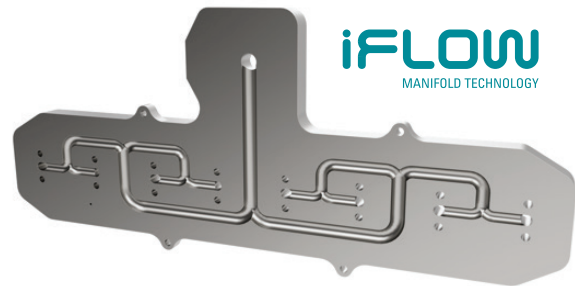
AXIOM (TG) Hot Half

PROCESSING ADVANTAGES

- ✓ **ENHANCE BOTTLE-TO-BOTTLE CONSISTENCY**
- ✓ **INCREASE PRODUCTIVITY**
- ✓ **MINIMIZE MAINTENANCE**

PROVEN iFLOW MANIFOLD TECHNOLOGY

- 2-pc brazed manifold design.
- Allows for special melt flow geometries, flow paths and runner shapes.
- Optimizes processing performance.
- Superior to conventional gun-drilled manifolds.



ENHANCED BOTTLE QUALITY

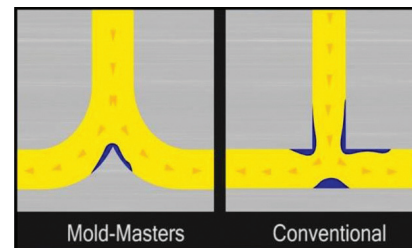
- Bottle-to-bottle consistency is dependent upon homogeneous melt delivery and the uniformity of the melt delivered to each cavity.
- iFLOW manifolds provide exceptional melt-management characteristics.



Enhanced Shear Control

RAPID COLOR CHANGE PERFORMANCE

- Axiom hot runner systems are able to change color up to 4x faster compared to conventional manifolds.
- iFLOW manifolds incorporate curved runner transitions that promote resin flow.
- Minimizes dead spots and hang-up spots.
- Save a significant amount of downtime and scrap.



LOW MAINTENANCE DESIGN

- **Robust** components nozzle, gate seal, manifold and plates.
- **Simple design** All components can be easily disassembled and reassembled.
- **No moving parts.** Less demanding than valve gate systems.
- **No insulating paper at gate.** Lower maintenance compared to traditional OEM one-stage hot runners.
- **Less maintenance intervals** due to gentle melt delivery.

