

THE NEW THIN WALL PACKAGING HOT RUNNER SYSTEM

Introducing the industry's newest hot runner system specifically engineered for producing exceptional high quality thin wall packaging products. Incorporating new MasterSHIELD Technology, ThinPAK-Series has the strength and durability to mold with complete reliability in high pressure applications up to 2,800 Bar. Compatible with PP, PS, PE and other resins.

KEY FEATURES

NEW ThinPAK-Series NOZZLES

- Precisely balanced thermal profile.
- Excellent process control and repeatability.
- High molded part quality.
- Serviceable from the parting line.

NEW ThinPAK-Series MANIFOLD

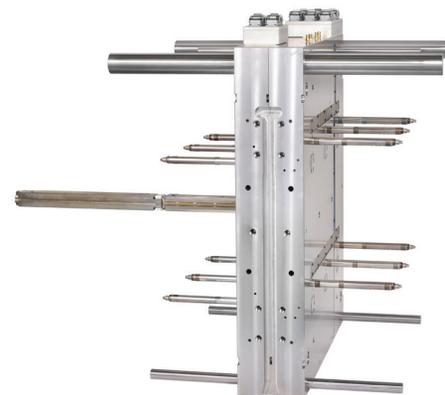
- Exceptional strength and reliability.
- 40% higher pressure limit than our standard manifold designs.
- Ideal for high pressure thin wall applications.

NEW MasterSHIELD TECHNOLOGY

- Reliable leakage protection even on cold start-ups.
- Helps eliminate unscheduled interruptions.
- Minimizes maintenance and service interval requirements.
- Mold with confidence and complete peace of mind.

BRAZED HEATER TECHNOLOGY

- Precise thermal balance and control.
- Superior reliability maximizes uptime.
- Eliminate spare heater costs.
- Energy efficient.



Stack Molds Available

TECHNICAL ADVANTAGES

1 NEW MasterSHIELD TECHNOLOGY

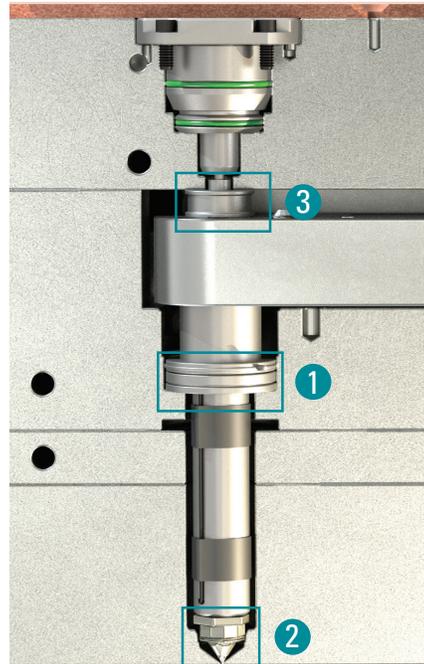
- Enhanced leakage protection between the nozzle and manifold.
- Robust design maintains seal +/-100°C from processing temperature.
- Reliable even on cold start-ups or in the event of overheating (even with high MFI materials).
- Patent pending.

2 ROBUST GATE SEAL GEOMETRIES

- Larger contact area.
- Incorporates high strength materials.
- Prevents damage from mishandling.
- Industry standard cut-outs.

3 ENHANCED WEEPAGE CONTROL

- Directed to easy to clean areas.
- Extends service intervals by up to 3x.



SPECIFICATIONS

| NOZZLE RANGE | SHOT SIZE (g)* | RUNNER ϕ (mm) | | MIN PITCH (mm) | BORE CUT-OUT ϕ (mm) | TOTAL LENGTH RANGE† (mm) |
|--------------|----------------|--------------------|--------|----------------|--------------------------|--------------------------|
| | | NON-VALVED | VALVED | | | |
| Centi | 15 – 50 | 6 | 8 | 50 | 26 | 76 – 211 |
| Deci | 50 – 500 | 8 | 11 | 55 | 32 | 87 – 187 |

*Application dependent. †Longer lengths available upon request.

AVAILABLE GATING STYLES

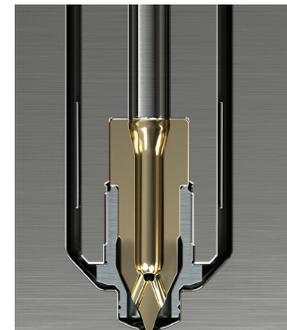
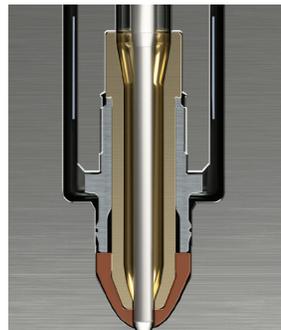
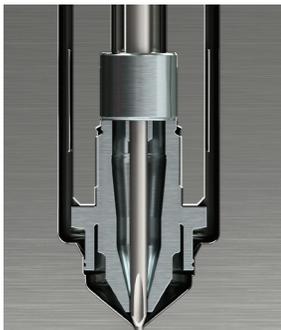
Valve Gates

Accu-Valve MXT

New Ext. BiM C-Valves

Thermal Gates

E-Type Torpedo



TempMaster™ series M3

TempMaster M3 incorporates new TC-Connect Technology which allows molders to eliminate conventional TC mold cables, 50% of all cables, from your molding cell. Recommended for all ThinPAK hot runner systems. Revolutionize and unlock your operations full potential with TempMaster.