

ECONOMICAL, PRECISE TEMPERATURE CONTROL FOR LOW CAVITATION MOLDS

The MT platform combines essential features with advanced APS Technology for precision control of up to 18 zones. Powerful performance from a compact unit that helps improve part quality and minimize scrap. Optimize the performance of any hot runner system and unlock your operations full potential with TempMaster.

KEY FEATURES

INTUITIVE TOUCH SCREEN COLOR DISPLAY

- Simple, user friendly interface.
- Allows for immediate familiarization.
- Monitor (2) zones at once.

MODULAR CONTROL CARD DESIGN (2Z-15A)

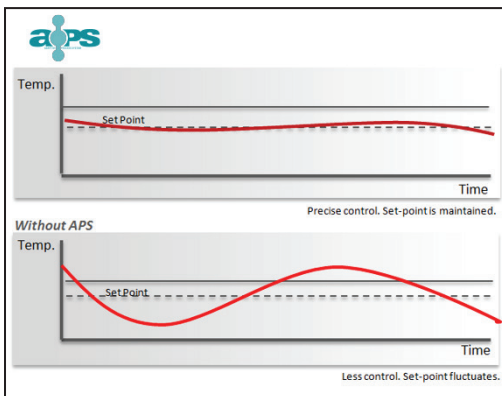
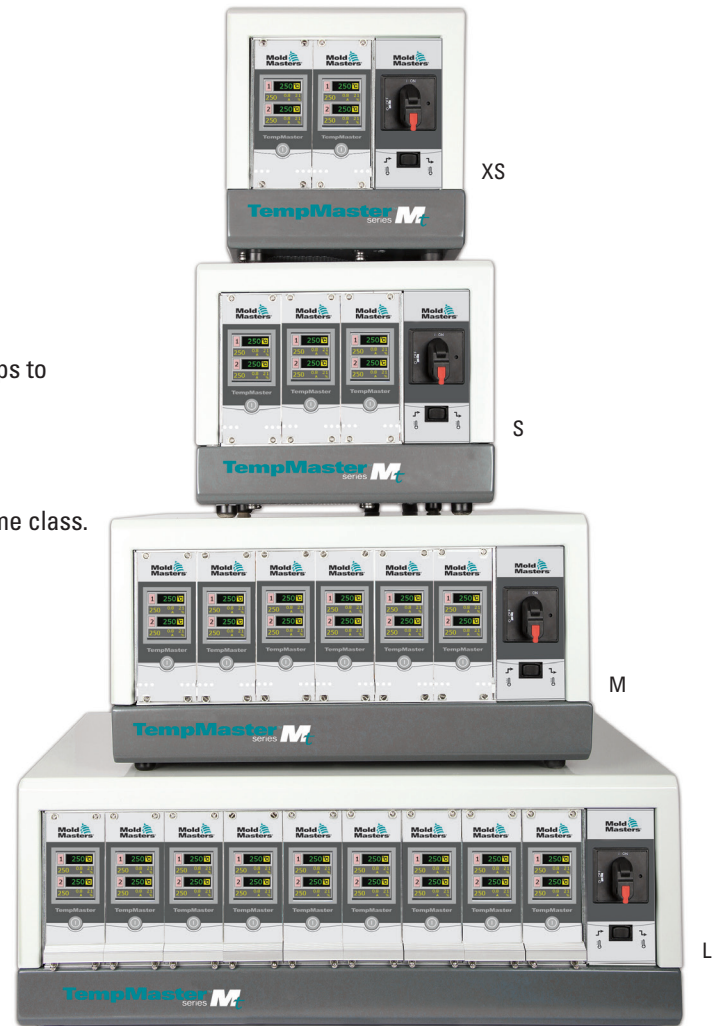
- On-board heater and thermocouple fuses.
- Eliminates excess wiring and improves accessibility.
- Servicing is quick and easy, minimizing downtime.
- Power to control a wide range of hot runner zones from nozzle tips to larger manifolds.

MOST COMPACT CABINET DIMENSIONS

- Preserves valuable space.
- Up to 68% smaller dimensions than competitive systems of the same class.
- Can be placed almost anywhere.

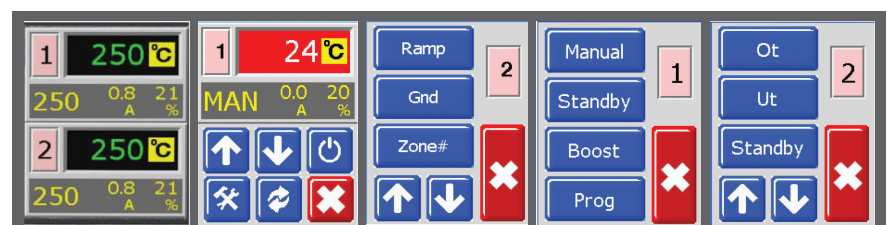
DURABLE INDUSTRIAL DESIGN

- Metal enclosure and heavy duty connectors ensures reliability.
- Completely pre-wired for hassle free expansions.



Precise control. Set-point is maintained.

SIMPLE TOUCH SCREEN CONTROLS



SPECIFICATIONS

| | |
|----------------------------------|---|
| User Interface | Full Color LCD Touch Screen |
| Display Size | 2" (51mm) - 176 x 200 pixels |
| Control Algorithm | APS (Adaptive Process System) |
| Power Control | Phase Angle & Burst Firing Modes (Time Proportional, Zero-Crossing) |
| Display Resolution | 1 (°C or °F) |
| Power Response Time | 8.3 ms at 60 Hz |
| Temperature Scale | °C or °F (Software Selectable) |
| Thermocouple | J or K-Type (Software Selectable) |
| Operating Range | 0 - 472°C (32 - 882°F) |
| Output Voltage (Max) | 264 VAC |
| Supply Voltage | 95 - 265 Vac |
| Frequency | 50 - 60 Hz Automatic Switching |
| Ambient Temperature Range | 5 - 45°C (41 - 113°F) |
| Humidity Range | Up to 90% non-condensing |
| Ground Fault Detection | 40mA per Zone |
| Alarm Output | Closing Contact Relay 5A, 230V (Max) |
| T/C Connector | Various Options Available |
| Power Connector | Various Options Available |
| Input Protection | 63mA Nano Fuses on Both T/C Legs |
| Overload Protection | Semi-conductor fuses on both heater legs |
| Heater Fuses | 15A @ 220V Super Fast Blow Type (FF) |
| Control Modes | Closed Loop (Auto), Open Loop (Manual) |
| Languages | English, Chinese, German, French |

| Cabinet Size | # of Cards (Max) | # of Zones (Max) | Dimensions WxDxH cm (in.) |
|--------------|------------------|------------------|---------------------------|
| XS | 2 | 4 | 21x35x21 (8x14x8) |
| S | 3 | 6 | 26x35x21 (10x14x8) |
| M | 6 | 12 | 40x35x21 (16x14x8) |
| L | 9 | 18 | 57x35x21 (22x14x8) |

*Based on 15A/zone

INCLUDES:

- 4.8m (15') Cable Set
- Quick Start Guide



Modular Control Card Design
(2 Zone, 15A/Zone)

CAPABILITIES

| Control Features |
|--------------------------------------|
| APS (Adaptive Process System) |
| Phase Angle, Burst Firing |
| Infield Calibration Mode |
| Thermocouple Slave (Manual) |
| Auto Standby/Alarm Output to Machine |
| T/C Auto/Man Kick-Off |
| Wet Heater Bakeout |
| T/C Filtering |
| Delta/Wye Convertible Option |
| Circuit Breaker Sized to Load |

| Protection Features |
|-----------------------------------|
| On-Board Load Fuses |
| On-Board T/C Fuses |
| Soft Start |
| Continuous Ground Fault Detection |
| Current Measurement |
| Overload Protection |
| Short Circuit Protection |
| Plastic Leak Detection (Manual) |

| Operational Features |
|-----------------------------------|
| Auto/Manual Control |
| Zone "on", "off" and "locked off" |
| Boost/Standby (Manual) |
| Menu "Auto Save" |

| Alarms |
|--------------------------------|
| Audible Alarm (optional) |
| Zone Alarm Configure |
| (+) High Temperature |
| (-) Low Temperature |
| T/C Open (remembered % output) |
| T/C Reversed |
| Open Fuse |
| Open Heater |
| Shorted Heater/Wet |
| Ground Fault Detection |
| Plastic Leak Detection |