

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)

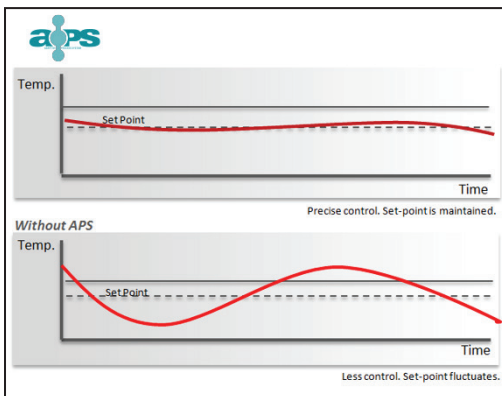
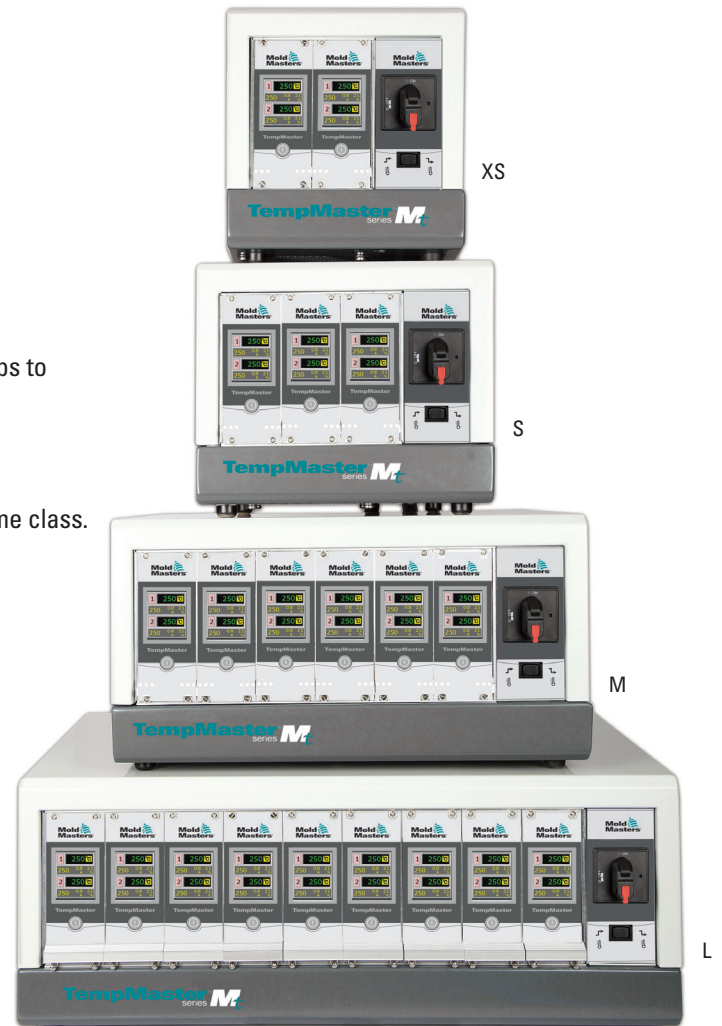
- On-board heater and thermocouple fuses.
- Eliminates excess wiring and improves accessibility.
- Servicing is quick and easy, minimizing downtime.
- Power to control a wide range of hot runner zones from nozzle tips to larger manifolds.

MOST COMPACT CABINET DIMENSIONS

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

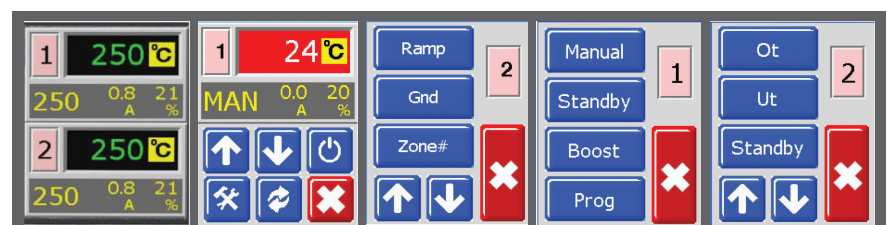
DURABLE INDUSTRIAL DESIGN

- 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	200/240V 3P Delta or 380/415V 3P Star with Neutral (480V, 3P with optional transformer)
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



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