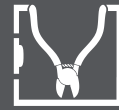




FROM PELLET TO PART
YOUR PARTNER
FOR PRODUCTIVITY
AND SUSTAINABILITY



DME Smart Series® M2+

ADVANCED HOT RUNNER TEMPERATURE CONTROL &
PROCESS MONITORING

A fully featured controller platform with advanced capabilities for superior molding performance. Well suited for tight process control on all hot runner systems, it is your best choice as a direct replacement for many existing outdated controller platforms.

Unlock your operations full potential.

KEY FEATURES

LARGE INTUITIVE TOUCH SCREEN CONTROLS

- Modernized interface
- Quick and easy to use
- Rapid response rates
- Familiar gestures like pinch-to-zoom
- Available in 8", 12" and 17" formats
- Locate monitor/user interface away from control cabinet with optional cable set

ADVANCED FUNCTIONALITY

- APS (Adaptive Process System) Technology, the industry's most advanced heat control algorithm
- Auto leak detection
- Auto tool diagnostics
- TC auto slave
- Hot runner power consumption (kW per hour) monitoring
- Graphical presentation of hot runner system for easy zone identification
- Purge Wizard
- And much more

IO ALARM INTERLOCK

- Interface with any injection machine
- Triggers an alarm when issues are identified
- Pauses the molding process until corrected
- Helps maintain process consistency

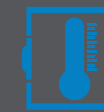
WIRELESS NETWORK CONTROL (WLAN)

- Multi cell operation
- Multiple IP operation
- Download/Upload tool set-up
- Valuable for clean room applications





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DME's Smart Series M2+ is available in zones numbering from 48 to 120, with touch screen ranging from 8 to 17" to suit your specific needs.

ITEM NUMBER	ZONES	MAIN AMPERAGE	INCLUDES	CABINET SIZE
M2XS-24-TS8P	24	40	8in DISPLAY w/ HD25 CONNECTORS	EXTRA SMALL
M2XS-24-TS12P	24	40	12in DISPLAY w/ HD25 CONNECTORS	EXTRA SMALL
M2S-36-TS8P	36	63	8in DISPLAY w/ HD25 CONNECTORS	SMALL
M2S-36-TS12P	36	63	12in DISPLAY w/ HD25 CONNECTORS	SMALL
M2S-36-TS17P	36	63	17in DISPLAY w/ HD25 CONNECTORS	SMALL
M2S-48-TS8P	48	63	8in DISPLAY w/ HD25 CONNECTORS	SMALL
M2S-48-TS12P	48	63	12in DISPLAY w/ HD25 CONNECTORS	SMALL
M2S-48-TS17P	48	63	17in DISPLAY w/ HD25 CONNECTORS	SMALL
M2M-60-TS8P	60	80	8in DISPLAY w/ HD25 CONNECTORS	MEDIUM
M2M-60-TS12P	60	80	12in DISPLAY w/ HD25 CONNECTORS	MEDIUM
M2M-60-TS17P	60	80	17in DISPLAY w/ HD25 CONNECTORS	MEDIUM
M2M-72-TS12P	72	80	12in DISPLAY w/ HD25 CONNECTORS	MEDIUM
M2M-72-TS17P	72	80	17in DISPLAY w/ HD25 CONNECTORS	MEDIUM
M2M-84-TS12P	84	100	12in DISPLAY w/ HD25 CONNECTORS	MEDIUM
M2M-84-TS17P	84	100	17in DISPLAY w/ HD25 CONNECTORS	MEDIUM
M2M-96-TS12P	96	125	12in DISPLAY w/ HD25 CONNECTORS	MEDIUM
M2M-96-TS17P	96	125	17in DISPLAY w/ HD25 CONNECTORS	MEDIUM
M2L-108-TS12P	108	150	12in DISPLAY w/ HD25 CONNECTORS	LARGE
M2L-108-TS17P	108	150	17in DISPLAY w/ HD25 CONNECTORS	LARGE
M2L-120-TS12P	120	150	12in DISPLAY w/ HD25 CONNECTORS	LARGE
M2L-120-TS17P	120	150	17in DISPLAY w/ HD25 CONNECTORS	LARGE



ITEM NUMBER	DESCRIPTION
M2DISPMNT	REMOTE DISPLAY MOUNT
M2DISPDATACABLE	DISPLAY DATA CABLE - 30' (9m) LONG
M2DISPPOWCABLE	DISPLAY POWER CABLE - 30' (9m) LONG



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DME Smart Series® M2+

ADVANCED HOT RUNNER TEMPERATURE CONTROL &
PROCESS MONITORING

SMART SERIES® M2+ PRECISE TEMPERATURE CONTROL AND WORLD CLASS FEATURES SPECIFICATIONS

User Interface	Full Color LCD Touch Screen
Display Sizes	8" (203mm), 12" (305mm), or 17" (432mm)
Control Algorithm	APS (Adaptive Process System)
Power Control	Phase Angle and Burst Firing Modes (Time Proportional, Zero-Crossing)
Control Accuracy	+/- 0.5°C (1°F)
Display Resolution	0.1 (°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 95% non-condensing
Ground Fault Detection	40mA per Zone
Alarm Output	Closing Contact Relay 5A, 230V (Max)
T/C Connector	DME Standard HD25 Male
Power Connector	DME Standard HD25 Female
Input Protection	63mA Nano Fuses on Both T/C Legs
Overload Protection	Semi-conductor fuses on both heater legs
Heater Fuses	15A @ 220V Fast Blow Type
Control Modes	Closed Loop (Auto), Open Loop (Manual), Standby, Boost, Slave
Ports	USB and Ethernet
LED Indicators	Scan, Fuse, Thermocouple, Failure, Ground Fault, Power%
Communications	SPI, Real VNC, Modbus, OPC-UA
Languages	English, French, German, Portuguese, Spanish, Polish, Russian, Chinese, Japanese, Czech, Italian, Turkish

Cabinet Size	# of Cards (Max)	# of Zones (Max)	Dimensions WxDxH cm (in.)
XS	6	24	31x45x81 (12x18x32)
S	12	48	36x45x96 (14x18x38)
M	24	96	45x60x116 (18x24x46)
L	36	144	45x60x141 (18x24x56)
XL	63	252	56x61x168 (22x24x66)

Based on 4z-15A cards. Increase max zones with 6z-5A cards.