

# CM8

# Hot Runner Controller



**Durability:** The design of the CM8 Controller includes features to make the unit more durable and easier to maintain, including a 4mm layer of toughened glass to protect the LCD display from damage caused by knocks and falling equipment.

<b>Zones:</b>	12 to 256 zones
<b>Control:</b>	3-Term (PID) Control, Open Loop & Slaving On Each Zone
<b>Soft Start:</b>	Automatic power ramp on RUN Manual timed
<b>Boost:</b>	For cavity zones only, manually settable
<b>Standby:</b>	Manual, Automatic on alarm or remotely activated
<b>Manifold Pre-Heat:</b>	With settable trigger temperature and cavity start delay
<b>Thermocouple:</b>	Type J or Type K
<b>Control Accuracy:</b>	<0.2%
<b>Display Accuracy:</b>	1 digit
<b>Display Range:</b>	20C to 471C (20F to 880F)
<b>Temperature Unit:</b>	Degrees C or F with automatic scaling
<b>Display:</b>	12 Inch, High Brightness LCD touchscreen with automatic backlight saver, and Remotely mountable
<b>Alarms:</b>	T/C Open, T/C Reversed, T/C Short, Heater Open, Comms failure
<b>Alarm Strategy:</b>	Fully programmable
<b>Alarm Output:</b>	Volts free contact
<b>Security:</b>	Fully programmable passwords and access levels with security key required for maximum access
<b>Data Logging:</b>	Up to a (rolling) 12 months
<b>Graphs:</b>	Trend, 3D Surface
<b>Toolsets:</b>	1000 saved toolsets
<b>Machine Interface:</b>	Tool run override / Motion Standby
<b>Cable Format:</b>	User defined format and length, supplied using high-visibility tubing
<b>Power Supply:</b>	3 Phase, 50/60 Hz, Delta or Wye
<b>Warranty:</b>	24 Months