CM9 TOWER

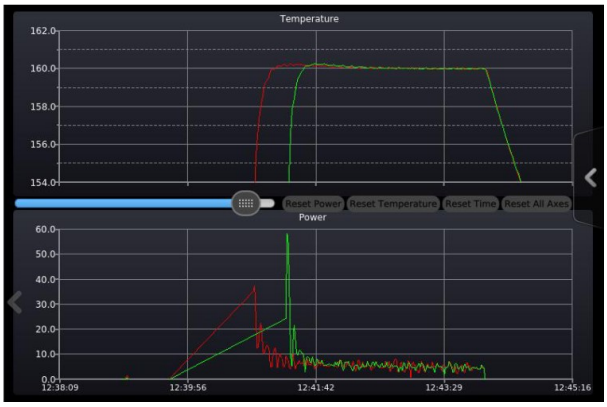
EFI

Introducing our most advanced hot runner temperature controller...

Our CM9 Tower hot runner temperature controller is packed full of advanced features, ensuring consistent, precise, and reliable mould temperature control. Boasting real-time graphing, robust diagnostics, extensive data logging, sophisticated PID control within a compact unit. Enhance part quality, minimize waste, and optimize your production line with the EFI CM9 Tower

Real-Time Graphing

Precise graphing of temperatures and power consumption for 1 hour. Unique cavity tip power consumption compared to average graphed on a rolling minute to aid fault finding.



Powerful Diagnostics

Automatically detect faults in wiring before they become a problem, with a simple user friendly interface.

Data Logging

Every change made time and date stamped for 1 year, providing true accountability. A minute by minute account of each zone is also logged for 1 year.

Advanced PID Control

Individually tuneable for each zone, allowing tailored optimisation from nozzle tips to manifolds.

Repairable Design

All parts are fully serviceable, reducing your waste.

UK Manufactured

Designed, manufactured and supported here in the UK, providing rapid advice, support and maintenance.

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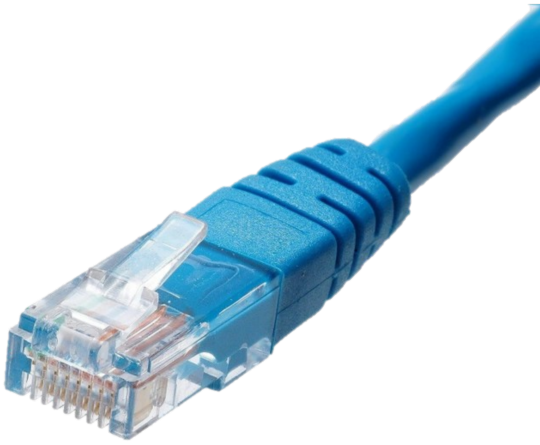
Increased connectivity as standard. System integration made simple.

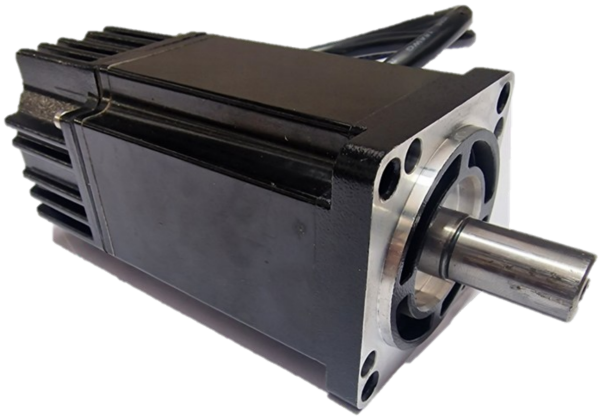
EfiTemp - Coming Soon!

Say goodbye to bulky and costly thermocouple cables with EfiTemp. Our innovative board mounts directly onto the tool, replacing standard plugs and transmitting all thermocouple data through a single Ethernet cable. Eliminate downtime and improve part quality by avoiding issues caused by faulty thermocouple cables.



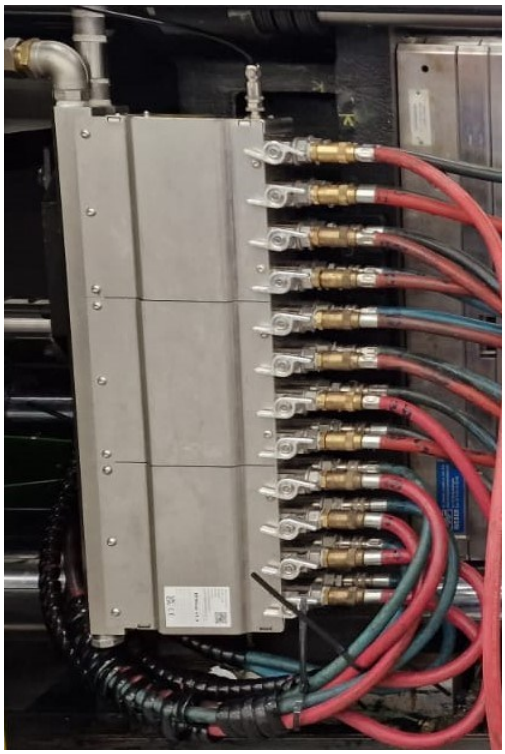
Servo Integration

EFI offers tailored mould tool servo integration built into the temperature controller, enabling efficient tool automation within a single unit. This feature integrates smoothly with our existing software, fully utilizing built-in functionalities such as logging and password protection, while providing a customized solution to meet your specific needs.



Water Manifold Monitoring

Monitor water flow through your mould simultaneously with EfiFlow zero-pressure loss manifolds. This system easily integrates into the CM9 Tower, creating a comprehensive mould tool monitoring solution.



Future - proof connectivity

Our CM9 Tower is Industry 4.0 ready, equipped with OPC UA and VNC functionality. This ensures rapid integration into highly connected systems with exceptional ease.

Features:

Control Features
High Resolution Zero Crossing Control
Cavity or Manifold Zone Type Configurable
Temperature (PID), Power and Link Zone Control Functions
Set Point Limit
Set Power Limit
Manifold Pre-Heat
Individual Zone Thermocouple Calibration
Individual Zone PID Calibration
Boost Function
Soft Start Feature
Users With Varying Permission Levels

Reporting Features
1 Year Long Logs
Rolling Hour Power and Temperature Graphs
Rolling Minute Cavity Power Consumption Comparison
Export Logs Via USB
Tool Diagnostics
Press Counter
Screenshot Current View

Alarm Features
Open Thermocouple
Reversed Thermocouple
Cold Thermocouple (Pinched)
No Load
Shorted TRIAC
Temperature Tolerance
Power Tolerance
Tool Motion
Tool State
Press Time

Specifications:

Interface	12 Inch Full Colour LCD with Industrial Grade Toughened Glass
Cabinet Size (mm)	Width: 505mm Height: 850mm (Up to 48z)
# of Zones	3 - 192
Temperature Units	Celsius or Fahrenheit (Software Selectable)
Temperature Resolution	1 Unit
Temperature Range	1 - 500°C (33 - 932°F)
Thermocouple Type	J or K (Software Selectable)
Operating Range	1 - 400°C (33 - 932°F)
Supply Voltage	415 V 4-Pole Star or 220 V 3-Pole Delta
Frequency	50—60 Hz (Automatic Switching)
Overload Protection	16A (3 - 12 Zone) / 32A (15 - 24 Zone) Type C MCB
Heater Fuses	16A Super Fast Blow (FF)
Control Modes	Closed Loop (Default), Open Loop, Linked, Boost, Standby
Ports	USB, Ethernet, Han 7A Interface
Phase Indication	3x Front Panel Neon Lights
Languages	English, German, French, Polish, Spanish, Italian