

## *Hot Runner Control*

*"... has never been this easy"*

You'll find our M2 touch screen controllers are a dream to use. Reliability and ease of use have been designed in from the start, with software that is intuitive and easy to use. It has all the tools you need to take control and gain a better understanding of what is happening inside the mold. PMS Software leads the way with many functions like the Easyview page, which can show a graphic of the hot runner with live display panels that can be set directly. The modular electronics make fault diagnosis much simpler, with all circuitry on plug in cards, available in various current ratings to match your application. Next time give our controls a try. We think you'll like them.



**M2 Series Controllers**  
**Water Manifolds**

[www.imsigroup.com](http://www.imsigroup.com)

# M2

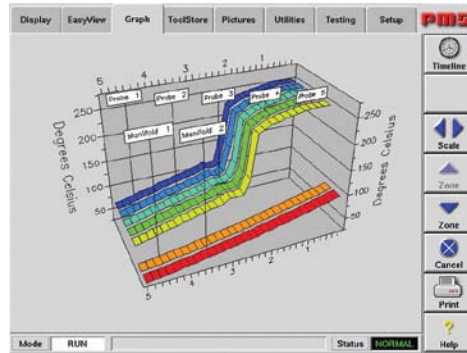
## Controller Models



### Features

- Programmable Startup Modes
- Slaving of T/C's
- GF and Moisture Detection
- Boost / Standby
- Event Log - Search by Zone, Event, or Setting Variable
- Graphing - One zone or multiple zones
- Password protection
- Data export
- Networking
- T/C Fusing
- I/O Capabilities - Water Flow, Steel Temp, Water Pressure, Chiller Water Temp
- Diagnostics
- Standard or custom connectors

# Screen Shots



# Cabinet Sizes

	M2-XS	M2-S	M2-M	M2-L	M2-XL
Recommended Interfaces	MTS	MTS/KTS	KTS	TSA	TSA/TSL
Available Card Slots	6	12	24	36	Up to 90
Cabinet Dimensions without Transformer	L21 W16 H32	L21 W16 H32	L25 W18 H40	L25 W18 H50	L25 W18 H50
Cabinet Dimensions with Transformer	L20 W16 H35	L24 W22 H36	L25 W22 H56	L25 W22 H56	L25 W22 H56

# Display Console Models



	MTS	KTS	TSA
Screen Size Diagonal	6"	10.4"	15.6"
Maximum Zones	60	260	500
3D Multi-Zone Graphics	No	Yes	Yes
Maximum Mold Storage	20	200	200
Max. Number of Zones Per Page	20	40	80

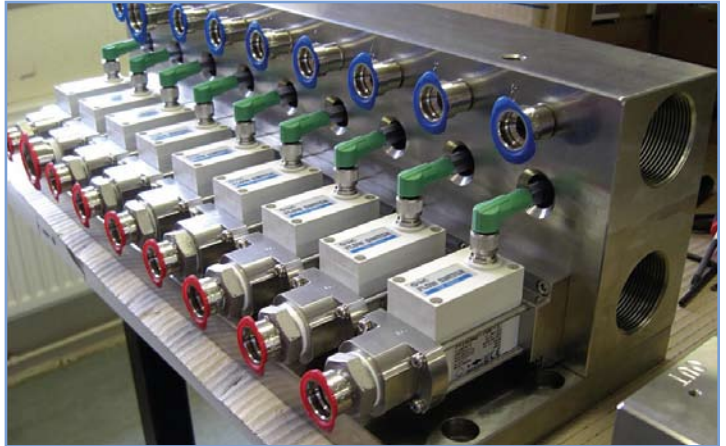


# Water Manifold Overview

iMSI range of non-contact water flow measurement manifolds incorporate sensors that use “eddy+ultrasonic” method of detection, without any moving parts, that easily tolerates contaminated cooling water. This offers accurate flow rate measurement that can be monitored and recorded for the purpose of stable process control in the injection molding of critical parts.

Signals from the manifold are transmitted to an iMSI controller with a touch screen PC display. This display has the ability to record the flow data, display the values in multi-zone 3D time graph, and also display the Reynolds Number as well as place alarm bands around that number. All this data can be sent to another computer for SPI analysis. In addition, lower limits can be set to protect the mold if the coolant supply is interrupted for some reason.

The flow sensors are available in three versions for flow rates in the ranges of 0.05-4L/min, 2-16L/min, and 5-40L/min. Manifolds are also available in various port configurations to suit your needs. RTD temperature sensors can also be added for cooling efficiency monitoring.



## iMSI Water Manifold Advantages

- Automatically Calculate and Display Reynolds Number
- Used in conjunction with iMSI controller protects the mold from overheating
- Measurements can be recorded, monitored and sent downstream via a network
- The modular system allows you to add on extra zones as required
- Accurate flow measurement regardless of water quality and contamination



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