

DROP IN, CONNECT AND INJECT

A completely pre-assembled and pre-wired system which allows for quick and easy one step drop in installation and connection. Ensures your mold is back into production as quickly as possible. Focused on high quality economical production of medium to large parts it is the ideal system for automotive, appliance, logistic and many other similar applications.

KEY FEATURES

COMPLETELY PRE-ASSEMBLED

- Fast, one-step installation.
- Requires up to 70% less time to assemble and install.
- Delivered pre-wired, pre-plumbed and tested.

WIRE ARMOUR

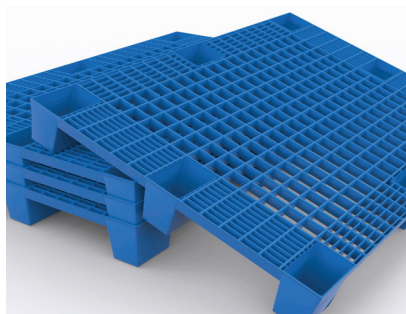
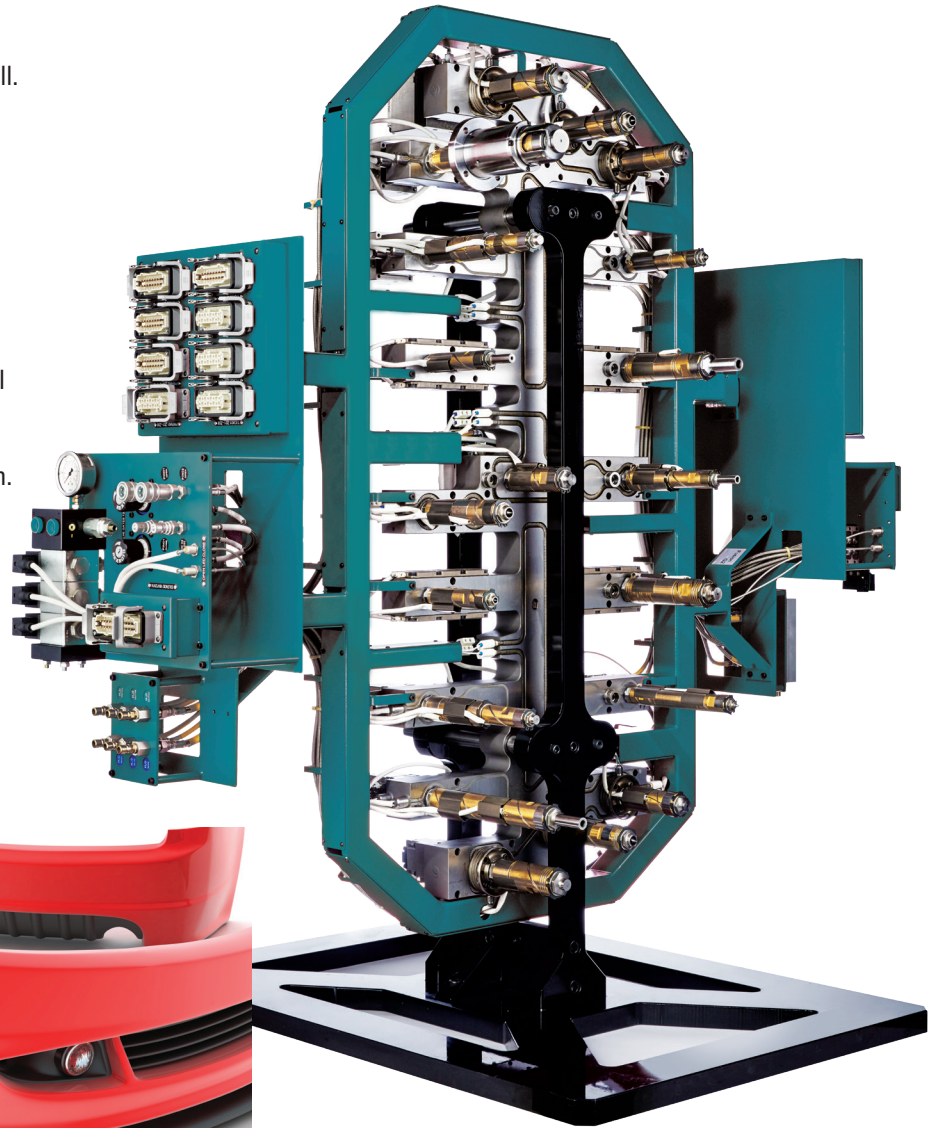
- Protects and routes all lines.
- Acts as a stable mounting platform for plumbing.
- Reduces plate machining requirements.

FUSION-SERIES G2 NOZZLES

- Precise thermal profile.
- Multiple heater zones for enhanced thermal control of extended nozzle lengths.
- Field replaceable heaters minimize downtime.
- Threaded nozzle base for integrated leak protection.

GLOBAL SUPPORT NETWORK

- Technical and Field support.
- Optimization services minimizes risk.
- Faster and more precise mold integration.
- Rapid spare part supply.



NEW WATERLESS ACTUATORS

- Advanced patent pending design incorporating **PACT** (Passive Actuator Cooling Technology).
- Maintains operating temperature by transferring heat to the top clamp plate.
- Eliminates hose-plumbed cooling circuits to actuators.
- Facilitates faster mold changes.
- Provides long-term performance reliability.
- Enables safe Hot Runner use at Pre-Heat stations.
- Hydraulic and Pneumatic versions available.



Springs in the base of the actuator ensures positive contact between the clamping plate and actuator cap facilitating continuous heat transfer.



SPECIFICATIONS

NOZZLE	SHOT WEIGHT PER GATE*	LENGTHS (mm)	RUNNER Ø (mm)		BORE Ø (mm)	MINIMUM PITCH		
			OPEN	VALVED		HY	PN	NV
F3000	<15 g	60 - 220	5	7	20	43 mm	65 mm	34 mm
F4000	15 g - 50 g	60 - 400	6	8	25	43 mm	65 mm	36 mm
F5000	50 g - 500 g	80 - 485	8	11	36	65 mm	85 mm	42 mm
F6000	500 g - 3500 g	80 - 700	12	16	46	65 mm	85 mm	52 mm
F7000	3500 g - 5000 g	80 - 1,000	18	22	53	65 mm	105 mm	59 mm
F8000	5000 g+	80 - 1,000	22	26/28	72	95 mm	145 mm	95 mm

*Approximation Only

AVAILABLE GATING STYLES

VALVE GATING

- Bi-Metallic C-Valve
- Hot Valve (+Extended)
- Cylindrical Hot Valve

THERMAL GATING

- E-Type Torpedo (+Extended)
- F-Type Torpedo
- C-Sprue
- Hot Sprue (+Extended)

SYSTEM OPTIONS

- **NEW** Waterless HY/PN Actuators
- **NEW** Servo electric Valve Gate Control (SeVG+).
- Sequential Valve Gate control (SVG - PN/HY valve bank).
- Valve pin position monitoring.
- Valve pin opening speed control (HY flow control valve).



TempMaster™ M1^{PLUS}

series

For peak performance and superior results, Mold-Masters recommends using TempMaster M1plus controllers with all Fusion-Series G2 systems.