

In Mold Coating (IMC)

IMC Metering Systems/Platen Mounted



EMC² brings new levels of precision performance to In Mold Coating with this dedicated system designed to give you a "Class A" finish with a minimum of expense, maintenance and hassle. The convenient platen-mounted panel is designed to connect quickly and easily with your press controls and features fully-adjustable shot sizes and flow rate. This completely water cooled system, including drums (or pails) and hoses, incorporates a resin recirculation system that will save money in materials and man hours.

IMC Meters



Designed specifically to meter In Mold Coatings at pressures up to 6000 psi, this meter delivers. The meters use a hydraulic drive cylinder to move a piston in a custom designed metering cylinder. Typical meters are set up at a 4:1 hydraulic to IMC ratio allowing IMC pressures of up to 6000 psi using a 1500 psi hydraulic supply pressure. This meter is used on all of the EMC² IMC systems and can be retrofitted to work on other systems. Meters come in multiple sizes from 1 cubic inch volume outputs to 90 cubic inch volumes. Numerous sealing materials are available to meet any requirement.

IMC Metering Cart



Since 1978, EMC² simplifies In Mold Coating with this high performance metering system, designed to give you a "Class A" finish every time with minimal expense, maintenance and hassle. Among its unique features are a versatile Allen Bradley programmable controller which permits easy interface with virtually any press, a unique recirculation system and adjustable shot size.

IMC Dual Metering Cart



EMC² simplifies In Mold Coating with this high performance metering system, designed to give you a "Class A" finish every time with minimal expense, maintenance and hassle. This Dual Meter cart allows you to coat using two separate injectors which can be on the same mold or on completely different presses. Similar to the standard IMC Cart, among its unique features are a versatile Allen Bradley programmable controller which permits easy interface with virtually any press, unique recirculation system for each meter and adjustable shot size.

EMC 2 INC.

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In Mold Coating (IMC)

IMC 5 Gallon Pail Supply Cart



Designed specifically to hold and cool 5 gallon pails of In Mold Coating. This compact, easily portable unit is quick to hook-up and changeover. Four swivel casters allow you to position the cooler wherever it's needed around the plant leading to material and time savings. Since catalyzed resins stay cool, they last longer, and EMC²'s low maintenance, high efficiency design, is preferred by plant personnel.

IMC 5 Gallon Pail Mixing Cart



Designed specifically to hold and mix 5 gallon pails of In Mold Coating. This compact, easily portable unit is quick to hook-up and changeover. Four swivel casters allow you to position the mixer wherever it's needed and tucks away neatly when not in use. An air operated mixing motor drives low shear, mixing blades at a fixed speed which you set using a flow control. The mixer RPM is displayed on the front of the control panel along with the mixing timer. Set the mix time and speed and walk away as the equipment takes over and provides you a perfectly consistent mix every time. EMC²'s low maintenance, high efficiency design frees plant personnel for other projects.

IMC Injectors



Designed with fewer parts for simplicity, economy, and ease of maintenance in In Mold Coating operations. The compact M-1099 injector offers 2 bolt mounting and simplified, low maintenance design to bring proven EMC² precision to your In Mold Coating operations. Two 1/4" NPT ports circulate water for cooling IMC material while a second pair of 1/4" ports allows you to recirculate the resin or flush the system. Water-cooling will keep resin at a controlled temperature even though nearby mold temperatures may exceed 300 degrees F. Your resins remain at peak performance levels longer. Hydraulic ports open and close the M-1099, while the limit switch assembly, mounted on top of the injector, indicates open and close positions for injection and press sequencing. A standard 5 Pin Mini connector is used to connect the switches to the control system.

IMC High Pressure Valves



Utilizing standard components wherever possible, this 2-way needle valve is one of the most dependable valves on the market today. Designed and built by EMC², this valve was rigorously tested to insure long life, low maintenance and reliability. The 4001 valve is designed to stay closed at pressures up to 6000 psi. The standard valve uses #6 SAE ports in an aluminum body. The "divorced" design allows the visual inspection of open/closed function and prevents material leaks from affecting the air actuator and other air components upstream of the valve.

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IMC High Pressure Hoses



These Teflon* lined, high pressure hose assemblies are designed specifically for the IMC industry. The hoses are all stainless steel construction and come in several diameters, 3/8" is standard. Rated for use at 6000 psi (4:1 Safety rating), the standard ends are 37 degree female swivels.

Leveling Systems



The EMC leveling system is designed to retrofit into older presses where leveling is needed. The "passive" leveling system uses the "Master/Slave" concept to accomplish leveling. The (4) corner cylinders are slaved to a 4 part master cylinder so that motion can only occur if all 4 corners move together. This system is highly effective when used for In Mold Coating applications or to simply improve the process control on an older press. The "passive" design is a highly reliable, time tested system that will run without a lot of maintenance for years.

M-99375 - Limit Switch Assembly



Designed exclusively for our In Mold Coating injectors, this limit switch assembly has proven to be a reliable, durable product. Fixed switches in the fully forward and fully retracted positions are wired to a Mini Connector style plug to make connecting the assembly a breeze.

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