



JHM Technologies, Inc.

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Infuser Alpha TM

The Infuser series of RTM Injection systems represent the leading edge technology in the world today for both RTM and LRTM professional production molding. The entire Infuser series of pumping and mixing systems are built on the proven reliability of over 10 years of worldwide production use in the most demanding RTM applications.

Each of the machines from the Infuser Alpha to the Infuser PRG are well suited to mold components from the size a Baseball Cap to a 22' (7 meters) Boat Hull.

Today, there simply is no equal to the Infuser series of RTM & LRTM injection systems, from the Alpha, to the Aviator and up to the "Ultimate" with the features available on the Infuser PRG system. You will find the **reliability, accuracy and repeatably** of the Infuser series of injection systems is **second to none in the industry worldwide.**

The Alpha is designed for injecting polyester, vinylester or methacrylate resins and catalyst, at controlled pressures. The unit uses the proven JHM Technologies, Inc. positive displacement double acting pumping system, which mixes on demand at the injection head with the **INFINITELY** variable catalyst ratio adjustable from 0.5% to 3.0%



STANDARD FEATURES of the INFUSER ALPHA

- Full instrumentation control panel
- Automatic **INJECTION PRESSURE CONTROLLER** (IPC) which is a pneumatically controlled mold Injection Pressure Control system. This constantly regulates injection pressure to ensure fast and safe mold-fill
- Catalyst over-pressurization, providing a failsafe relief for the unlikely event the Catalyst system becomes blocked preventing the catalyst system rupture.
- **Simple turn of the slave arm crank handle immediately changes the catalyst ratio from .5% to 3.0%.**
- Manual Catalyst and Automatic Resin recirculation valves at the mixing head.
- Resin inlet hose and filter suitable for 55 gallon drum.
- 2 gallon catalyst bottle
- Two stream mixing at the Mixhead with static mixer element.
- Solvent flush system using a frame mounted 5 gallon heavy-duty stainless steel **ASME rated** pressure solvent tank **with separate AIR ONLY purge**. This ensures a unique and highly efficient solvent/air emulsification, giving lower solvent consumption per head flush.
- Emergency stop
- **Frame Mounted Mixhead (Optional Hose sets available)**

Additional Key Performance Details of the Infuser Alpha System:

- **Automatic Injection Pressure Controller (IPC)** – The injection pressure controller allows the operator to set a MAXIMUM resin injection pressure that is allowed to flow from the end of the Mixhead into the mold. This acts as a “governor” to set a ceiling pressure for the injection. This works in combination with the “Pump Speed” setting which is also set by the operator.
- **Infinitely Variable Catalyst Ratio** – The bottom of the catalyst pump is fixed on a pivot, the upper piston rod of the pump is attached to a slave arm which is mechanically linked to the resin pump, the slave arm contains a lead screw adjustment which allows the upper catalyst pump rod to be moved along the slave arm changing the ratio of the catalyst to the resin. This adjustment is made by simply tuning the crank handle at the end of the slave arm to the desired catalyst ratio.
- **Simple to Use** – Full operational procedure is clearly printed on the control panel for easy step by step system function allowing the newest employee the full operational instruction.

Infuser™ Alpha base system:

Configured with 7 to 1 ratio Powerhead, Stationary Mixhead, Infinitely Variable Catalyst Ratio adjustment from .5% to 3%, Variable Air / Solvent Flush system and Injection Pressure Control (IPC)

Total Base System List Price: \$7,685.00

Suggested Standard Options

15 Foot Resin and Catalyst Recirculation Hose & Valve Kit
Predetermined Counter for Automatic Shut-off 100cc per count

CALL TODAY to see if YOU Qualify SPECIAL PRICING!!!!

Delivery and shipping:

Ex Works Fenton MI. USA

Payment Terms:

50% Down with Purchase order
50% When ready to Ship

Shipping Weight: 90 Kg

Lead-time: Stock to 3 weeks after receipt of Order / Deposit