

SPARTAN II RTM AND RTM LITE

Spartan II manufactured by GlasCraft, Inc., is the state of the art dispensing equipment specifically designed for Resin Transfer Molding (RTM and RTM Lite) Injection. Available in two versions, the Standard, developed specifically for low pressure injection of polyester and vinyl ester resin systems and the Deluxe model, offering automatic injection.

GlasCraft
DISPENSING EXCELLENCE
SYSTEMS • PARTS • SERVICE

Positive feed SSP catalyst slave pump

Low pressure injection

Easy to use control console

Regulate and control injection pressure



SPARTAN II
DELUXE

GlasCraft, Inc., the industry authority in manual and automatic dispensing equipment has developed the Spartan II proportioner which is precision engineered for low pressure injection of polyester and vinylester resin systems. Its revolutionary design allows the user to custom configure the system to meet the specifics of the job while easily being upgraded in the field. GlasCraft has again led the closed mold FRP industry to new levels of performance.

Award winning Spartan offers affordable RTM, RTM Lite and Infusion technology

- Low Pressure Injection with Accu-Pressure
- Excellent mix of catalyst and resin
- Super Re-Circulation
- Exclusive Spartan Dispense Head
- Positive Feed SSP Catalyst Slave Pump
- Pneumatic Trigger
- Air / Solvent Flush
- Cycle Counter
- Easy to Use Control Console
- Dispense Timer (Deluxe Model Only)
- Automated Flush (Deluxe Model Only)
- Gel-Timer (Deluxe Model Only)



A FULL LINE OF RTM APPLICATION SOLUTIONS:



STANDARD SPARTAN II



SPARTAN II DELUXE



SPARTAN II PAC



MAGIC BULLET AUTO-VALVE



SPARTAN II RTM AND RTM LITE

Dispensing Excellence



Easy to use control console



Positive feed catalyst pump



Regulate and control injection pressure



Low-pressure injection

FEATURES

Control at Low Pressure is the Key to Successful RTM Lite Injection

The Accu-Pressure active sensor is the key to RTM Lite success and is easily located on the dispense head. Especially important to RTM Lite applicators, this feature eliminates the problem of over pressuring the mold thereby guaranteeing it to fill quickly and efficiently without opening before the injection is complete.



Superior Re-circulation

The unique re-circulation function allows the resin and catalyst to cycle up to the dispense head and back to the containers, unmixed. This superior feature keeps the pigments and fillers suspended in the resin while allowing the line to be de-gassed without the waste of expensive material.

Trouble Free Injection

The exclusive Accu-Pressure dispense head is designed specifically for the Spartan II and Deluxe apparatus. This distinct dispense head provides an excellent mix of catalyst and resin. The dispense head also offers the utmost ease in use and operation allowing for a trouble free injection.

Air / Solvent Flush

With the combined ability to clean the re-usable static mixing element first with an air purge followed by solvent wash and subsequent air purge, the dispense head and mixing element can be efficiently and quickly cleaned, dried and readily available for the next part.

Eliminate Pressure to Mold

The pneumatic trigger eliminates the initial pressure shock to the in mold process, therefore alleviating the potential for flaws in the injection process.



Easy to Use Control Console

All controls are mounted in a user friendly enclosed console.

DELUXE FEATURES

Dispense Timer Maximizes Efficiency

This unique feature enables the operator to enter the number of pump strokes required to fill the mold and stops the pump automatically upon completion, allowing you to maximize your cycle times and fill molds faster and more efficiently.

Automatic Flush Button

This dispenses a predetermined amount of solvent. It can be used in combination with the air purge for additional cleaning power assuring a clean and dry injection gun; ready for the next injection.



Avoid Unscheduled Maintenance with the Gel Timer Whistle Alarm

This predetermined adjustable timer is for fast and slow cure resin systems. The gel timer has a whistle safety feature that will sound if the dispense head is not flushed within the predetermined time limit thereby notifying the operator that the system needs to be flushed. This exclusive whistle alarm feature helps avoid unscheduled maintenance and lost production time, keeping the Spartan II in operation for extended periods of time.

SYSTEM SPECIFICATIONS

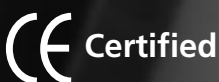
Air Requirements	17 cfm @ 100 psi 481 l / min @ 6.8 bar
Material Pump Output	2.5 gal / min 9.46 l / min
Catalyst Slave Pump Range	.5% to 4.5%

OPTIONS

- Extended Hose Lengths
- In-Line Heater
- High Volume Pump 5.0 gal / min
18.92 l / min
- Magic Bullet / Automatic Remote Injection Valve



Some photos courtesy of RTM North.



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