



Gluing and quality inspection solutions for the

NONWOVEN INDUSTRY



VALCO MELTON

Adhesive Dispensing & Quality Assurance Systems

THE SMART SOLUTION

The Smart Solution is the newest generation of PLC based melting and adhesive dispensing units developed by Valco Melton to help Hygiene Disposable Product manufacturers and machine builders to reduce both, initial capital investment and converting costs. The key concept behind this innovation is the ability to optimized adhesive usage for every application, thus reducing overall glue consumption, with a unique capability of integration and expandability.

SMART CONTROL

The Smart Control HMI is the first Plug'n'Play system of its kind, developed to give unprecedented access and control of up to 20 separate adhesive systems present in the line, thus, allowing the end users to design their interface and screens.



On this user-friendly touch screen, you will be able to visualize your complete line as well as each machine and configure the parameters needed for any specific application. The Smart Control will notify you whenever something is not working properly, allowing you to take corrective actions and avoid production stoppages.

It features a programmable maintenance program, including direct visualization of each component drawings and an easy adhesive recipe set up that will allow you to store and track each parameter for each different product manufactured by the line.



THE SMART ARCHITECTURE

What sets the Smart Melt Series apart is the possibility to perform system upgrades by simply adding SmartBoxes as production demands change. There are 3 different upgrade kits available, which can be easily attached to the melter at a later time, with no additional technical support required.

SMART MELT TANKS

The most compact design in the market. Achieve an accurate control of the glue applied and improve efficiency by reducing waste during the machine ramp up and the excess of adhesive at machine stops. Full pump speed control also based in grams per product, grams per square meter, or through volumetric closed-loop control.



SMART BOXES



Smart Heat
Add up to 2 Smart Heat boxes to your tank, each one capable of controlling 8 heating zones.



Smart Flow
Add up to 2 Smart Flow boxes to your tank, each one capable of hosting 4 flow meters and 4 pressure transducers



Smart Drive
Add up to 2 Smart Drive boxes to your tank featuring 2 frequency drives and 4 inputs for pressure read-out to add extra pump control and process diagnostics



“Each Smart Melt Melter is capable of controlling up to 7 Pumping Stations, 8 Flow Meters and 16 extra heating channels”



EBS PUMPING STATIONS

EBS remote metering stations provide a flexible solution for multiple application points with added consistency and pattern stability.

SmartFlow controllers feature a programmable mapping of input and output signals to control different production lines with independent product specifications. This intelligent system continuously monitors the amount of adhesive dispensed and compares it to the application's set point; When the actual flow rate deviates from the set point, the FlexFlow system automatically adjusts the pump speed accordingly.

FLOW CONTROL



NON-CONTACT APPLICATIONS FOR PRECISION CONVERTING

▶ MITO SERIES High Speed Intermittent Applicators



MITO Series Applicators are designed to handle the most demanding high-speed intermittent applications. While providing every pattern required just by choosing the specific nozzle type from our broad BAT Series family.

MITO Series Applicators are available in metering or pressure-fed configurations. Applicator width ranges vary from 25mm to 500mm. Each item in this series includes the MI-III Modules enabling a longer life and performs at 12,000 cycles/min

▶ FLEXSPRAY DUAL SERIES Spray Applicators with Independent Air Pre-Heater

Spray applicators specially designed for continuous operating applications.

Valco Melton's FlexSpray Series Applicators feature a new independently controlled heating system that increases thermal efficiency while providing full flexibility to adjust your process.

As our Mito applicators, FlexSpray applicators are designed to provide every pattern required just by choosing the specific nozzle type from our wide BAT Series family.



HIGH TECH

Accurate, high-speed adhesive application. Valco Melton adapts to your specific requirements with the last technology to achieve the best performance and final product.

BAT S

BAT V AIR

BAT L

BAT V SLOT

BAT SLOT

BAT ALPHA

CONTACT APPLICATIONS FOR PRECISION CONVERTING

▶ FLEXCOAT SERIES Spray Applicators with Integrated Air Heater

FlexCoat Slot Coating applicators are designed to provide the best performance in terms of cut-off and easy, quick size changes.

The "Eagle Beak" design of the slot die plate allows an easy, set up of the head with every kind of substrate and, together with the double-acting snuff-back modules, they perform with an excellent and clean cut-off even at the highest production speed.

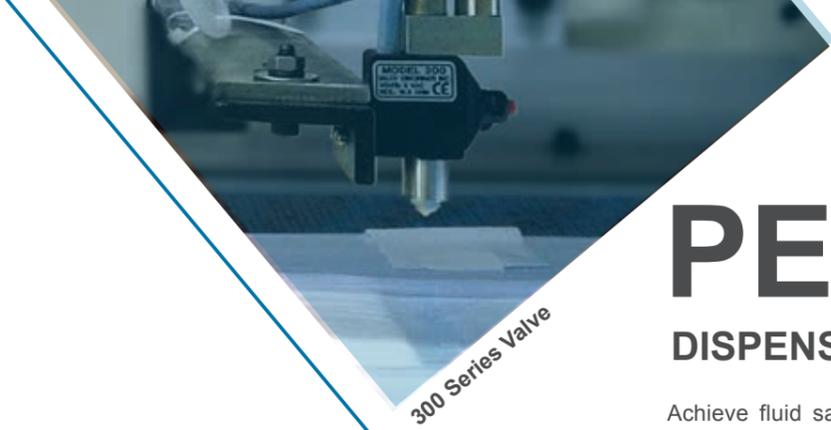
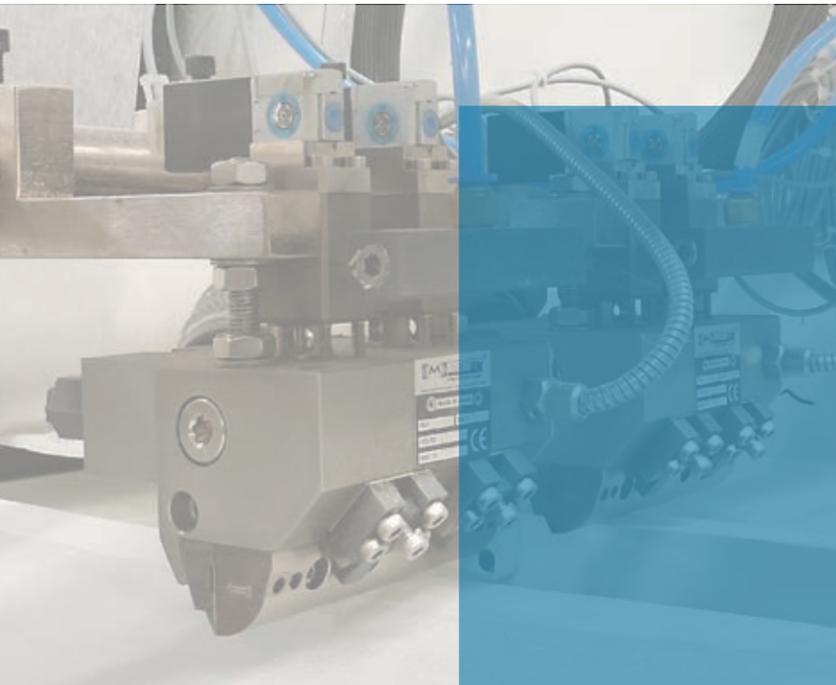
All Valco Melton Coating nozzles are fully hardened to a 58HRC which provides excellent abrasion resistance.

The flange-on replaceable slot dies plate to avoid the need to remove several screw and reinstall the slot nozzle, thus reducing the time required to change from size to size. Also, the symmetrical die plate allows for mounting it in both directions making it easier to install.



Dual Nozzle

Configure separate or overlapping adhesive patterns, having application zones to match your specific production needs. An innovative dual nozzle integrates two separate shims; each one configured to create a different pattern, which can be applied in succession and simultaneously. Patterns can be easily changed by swapping shims.



300 Series Valve



STANDALONE FLOW METERING SYSTEMS

Gain unparalleled control of all technical processes in the nonwovens industry. Valco Melton's Flow Measurement devices are sensors that measure volume rate based on a calibrated gear principle. Designed to work with hot melt adhesives up to 210°C.

The process is then monitored from a Control Cabinet, which provides different options to integrate and communicate with the parent machine.

Our Flow Metering can be incorporated into existing lines independently regardless of the adhesive dispensing brand.

PERFUME DISPENSING SYSTEMS

Achieve fluid savings of up to 80% against traditional perfume or lotion dispensers with Valco Melton's Air-Less Perfume Dispensing Technologies.

Spray application is substituted by a small dot dispensed on each pad. This eliminates the risk of perfume being atomized to the environment and ensures that every product receives a precise and equal dose, even during machine startup or at variable line speeds.



DRUM UNLOADER SYSTEMS

Valco Melton's SmartDrum and SDrum Unloaders achieve industry-leading high melting rates.

Featuring an innovative integrated control system, these drum unloaders are ideal for continuous operation that require the use of multiple drum unloaders working simultaneously. This new system can control up to 8 drum unloaders, sending a signal to the necessary units based on the current production needs.



World Headquarters

USA, OH, Cincinnati | Tel: +1.513.874.6550
info@valcomelton.com

America Manufacturing, Sales & Service Centers

Canada, Vancouver, B.C.
ClearVision Technologies
Tel: +1.604.998.4012
canada@valcomelton.com

USA West Coast, CA, Petaluma
GMS-Vansco
Tel: +1.707.285.3392
inquiry@gmsvansco.com

Mexico, México D.F.
Tel: +52.55.6278.1727
mexico@valcomelton.com

Colombia, Bogotá
Tel: +57.313.421.0926
colombia@valcomelton.com

Brazil, Sao Paulo
Tel: +55.11.99919.3510
brazil@valcomelton.com

Europe Manufacturing, Sales & Service Centers

Spain, Navarra, Orcoyen | Tel: +34 948 321 580
spain@valcomelton.com

France, Valence | Tel: +33 (0) 4 75 78 13 73
france@valcomelton.com

Italy, Brescia | Tel: +39 030 2732544
italy@valcomelton.com

Italy, Brescia | ERO s.l.r | Tel: +39 030 2731503
info@ero-glucers.com

Benelux, The Netherlands | Tel: +31 252-673673
benelux@valcomelton.com

Hungary, Budapest | Tel: +36 1-214-4705
hungary@valcomelton.com

UK, England, Telford | Tel: +44 1952-677911
uk@valcomelton.com

Germany, Düsseldorf | Tel: +49.211 984 798-0
germany@valcomelton.com

Poland, Siechnice | Tel: +48 71 889 04 50
poland@valcomelton.com



Direct Sales Centers ●
Distributors Worldwide ●

South, Southeast, West & Central Asia Manufacturing, Sales & Service Centers

Turkey, Istanbul | Tel: +90 212 327 99 71
turkey@valcomelton.com

India, Bangalore | Tel: +91.80.28378111
india@valcomelton.com

UAE, Sharjah | Tel: +971.521305960
uae@valcomelton.com

Singapore, Singapore | Tel: +65 850 95355
singapore@valcomelton.com

East Asia Sales & Service Centers

China, Shanghai | china@valcomelton.com
China, Xiamen | Tel: +86.592.591.7854
Fax: +86.592.591.7834 | china@valcomelton.com

To find the office nearest you, visit:
<http://bit.ly/2Cb8Fv2> or
snap a picture of this
QR Code

