



**VALCO MELTON**

Adhesive Dispensing & Quality Inspection System

## Coating & Converting Solutions

English Version



## About Valco Melton

Everyday, Valco Melton continues to supply the industry as a world leader in the manufacturing and supply of quality assurance and adhesive application systems and parts. Because it is our goal to meet and exceed your day-to-day expectations, we are constantly looking for new ways to improve our operations. We continue to listen to customers needs and tailor our organization to satisfy them. This is partly why we have been successful in the adhesive application business for over 60 years with a significant number of important industry contributing clients.

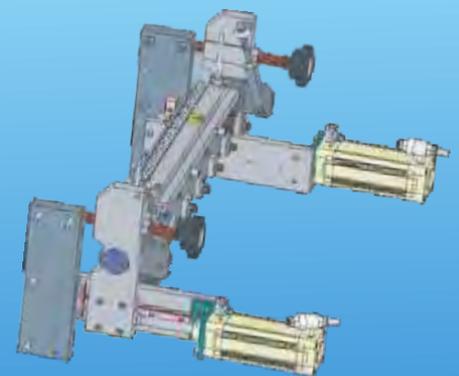


## Hot Melt and Cold Glue Adhesive Laminating

Few companies can boast the knowledge, trust, and experience that Valco Melton has acquired by working on special projects in hot melt and cold glue coating applications. We have a skilled understanding with coating on numerous substrates including paper, foil, film, foam, nonwovens, textile and release liner, and are installed in industries, such as tape, labels, woodworking, laminating, automotive, nonwoven, and many paper converting applications. Equipment can be supplied as a single coating die or a complete drop-in coating station, including a powered mounting base, back-up roll, and supply system. From design to application, Valco Melton systems are engineered to perform to your exact specifications.

## Special Project?

Valco Melton's Engineered Products Division offers complete turnkey solutions tailored to your production line. These can include built-in corona discharge treatment, chiller units, UV lamps, automatic web guidance, and regularly achieve production speed in excess of 400 m/min. If you have a requirement for any kind of coating and converting project, Valco Melton has the expertise to design and manufacture a system that will optimize your production output while minimizing labor input.



## Our Product Specialists Are Here to Help You.

The Valco Melton Special Products Group Application Engineers are ready to help when your products and machinery demand a higher level of technical expertise. Our CAD® and SolidWorks® designers are at your disposal for complex, expert projects to ensure that our equipment is a fully integrated part of your production process. We are committed to providing the best technical support to our customers. Whatever your production requirements may be, you can be rest assured that Valco Melton adhesive application equipment will perform accurately and reliably for you.

## Large Capacity Melters

Valco Melton's range of adhesive melters offers high melting rates for wax, paraffins, EVA and PSA adhesives. Tank capacities may need to be as large as 1000L to meet the requirements of the most demanding lines.

### M600 & M1000 Units

These Series Units achieve the highest melting rates due to their large surface area melting grids.

The M600 and M1000 units feature stand-alone wax recirculation to homogenize adhesive temperature in the gravure bath and "reverse" facility to allow the gravure bath to be emptied back into the melter.

Because of its high pumping rate, M Series Units are frequently used as the buffer units for pre-melted adhesive in applications that require a constant, high volume adhesive supply.

When used as buffer tanks, the units include 3 level sensors (for safety over-fill, high, and low levels) and a feeding lid that can host up to 8 drum connections.



### EDrum and SDrum Unloaders

Valco Melton's EDrum and SDrum Unloaders achieve high melting rates with a number of adhesive types.

EDrum and SDrum Unloaders may include an automatic changeover system for the use of double drum tandem on continuous operations.

EDrum and SDrum Unloaders to feature an innovative integrated control system for continuous operations that require the use of multiple drum unloaders. This new system can control up to 8 drum unloaders, sending a signal to the necessary units based on the current production needs. It also features an alarm system that notifies when each drum needs to be changed.

The EDrum is ideal for reactive hot melts such as PUR's. The SDrum is ideal for PSA's, EVA's, PAO's and other non-reactive hot melt adhesive and coatings.



Combine your adhesive melter with one of Valco Melton's Pumping Stations

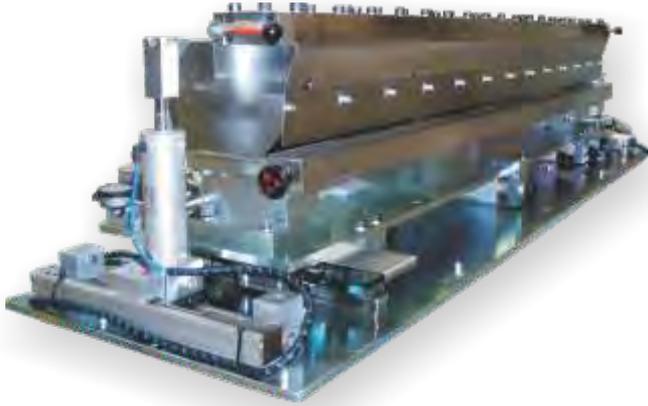
### EB Series Pumping Stations

Valco Melton's EB Series of pumping stations increase the adhesive delivery points of your existing melters or extruders. They also improve adhesive grammage precision and pattern consistency and quality thanks to separately controlled gear pumps, that achieve a precise volumetric dosing. This metered delivery reduces thermal stress on heat-sensitive substrates, minimizing adhesive degradation and improving overall productivity and lamination quality.



## High Quality Adhesive Coating and Lamination.

As the customer demand for quality increases, accurate and reliable adhesive application systems are becoming an integral part of the lean manufacturing process. Valco Melton's range of hot melt and cold glue applicators meet the most demanding requirements across a diverse range of applications.



### Easy Coat Applicator Series

Valco Melton's Easy Coat Applicator ensures continuous and reliable hot melt and cold glue applications for coating widths up to 3 meters.

The top lip of the coating die may be profiled across the coating width using a series of adjustments to control and fix the relationship between the precision ground die's lip section and the coating roller.

A computer mapped gallery specifically designed to ensure even fluid pressure distribution across the coating lip gives unrivaled control and reliability.

## Hot Melt & Cold Glue Dispensing Systems



## Precision Die Mount Assembly Systems

Valco Melton's coating heads can be coupled with our precision adjustable die mounts to ensure adhesive penetration, coat weights and patterns are easily adjusted and controlled.

### Against-Roll Mount Assembly

The die mount assembly ensures that the coating head is accurately and consistently presented against the coating roller and substrate for minimal job-to-job alterations.

The coating head can be set to coat against a dead-stop when coating crush-sensitive materials, such as foam, or to float onto the substrate using a light pressure when coating delicate films or foils.

### Off-Roll Mount Assembly

In off roll coating applications there is no fixed distance between the die and the coating roll, to allow changes in substrate thickness. Stable web tension at the coating area keeps the substrate in continuous contact with the die so that the adhesive is laid upon the surface of the web to achieve results from random patterns to high add-on, full coating finishes.





## FlexClear & EPR Applicator Series

Valco Melton's Coating Heads with rotating bar technology present a streak free, uniform coating with excellent coat weight control. They are the right choice for clear to clear applications, transparent labels and flexible packaging.

Coat weight adjustments are done inside the applicator and independent of the blade. Pattern changes can be made without re-adjustments.

The applicator includes adjusters every 50mm which allow the nozzle bar to be fine-tuned for optimal adhesive distribution.

On FlexClear and EPR applicators, pattern changes can be achieved adjusting the width by means of manual or motorized wheel or by interchanging blades, which allows for pattern changes with a buffer reserve of adhesive.



## FlexWrap & MA Applicator Series

Our MA Coating Gun Series is designed for wide continuous applications that require frequent width changes with maximum precision to reduce adhesive usage.

MA Applicators feature an integrated manual width adjustment system, bilateral, independent and with just one operational side. Alternatively, MA Series Applicators can integrate a stepper motor for faster work changes with minimal operator intervention.

## Ultra-fast shim set-up for continuous or intermittent applications.

### FlexCoat Applicator Series

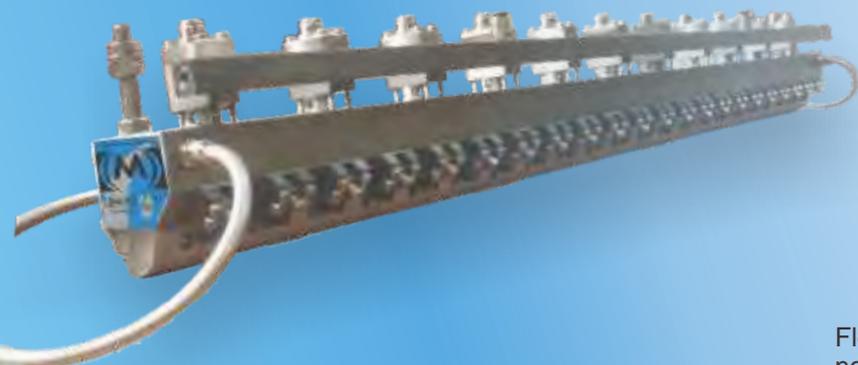
FlexCoat Applicator Series feature an innovative adjustable nozzle that allows lamination in both directions and can be easily removed for ultra-fast shim set-up.

All the FlexCoat Series are manufactured in an anodized aluminium body and hardened steel nozzle for greater resistance and longer life while achieving a highly precise application.

FlexCoat Series guns can work on continuous or intermittent applications. For intermittent applications, the new MI III Speed Cut Modules provide an exceptional cut-off as well as improved repeatable application.

FlexCoat Series applicators can be configured to dispense minimal coat weights for random pattern applications.

These very low coat weight patterns can be applied to the surface of a wide variety of substrates, including nonwovens, open weave and other breathable substrates, foams, papers and films, providing excellent bonding with minimum adhesive use, resulting in a softer feeling end product.



## Complete Coating Systems

Valco Melton's Adhesive Coating Systems provide uniform and reliable adhesive application on continuous or intermittent products.

Our coating systems can be constructed to be either a permanent fixture on an existing coating machine or a fully mobile "wheel in/wheel out" cart to allow an existing line to be upgraded to include hot melt or cold glue capabilities.

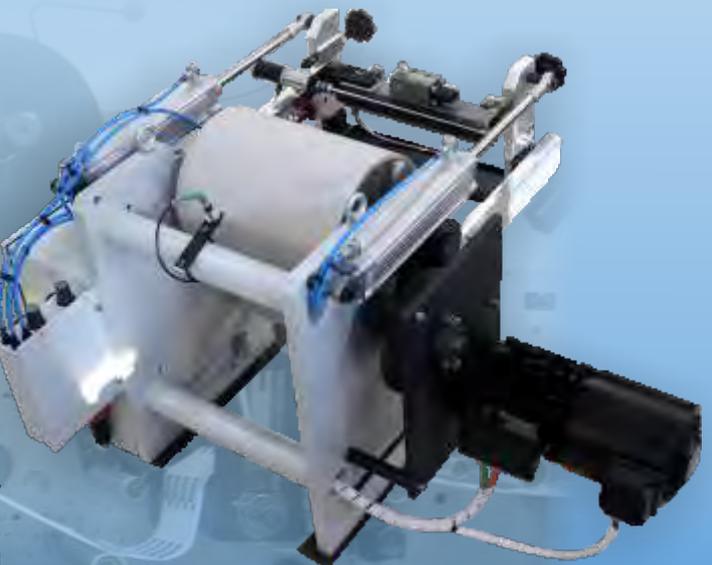
Valco Melton extrusion dies and precision die mounts with microadjustments are also offered as an integral feature within the Easy Coat, FlexCoat and FlexClear Coating Systems.



Easy Coat  
**Ideal for label stock  
and adhesive tapes**



FlexCoat  
**Designed for installation  
in all printing presses  
with continuous and  
intermittent applications.**



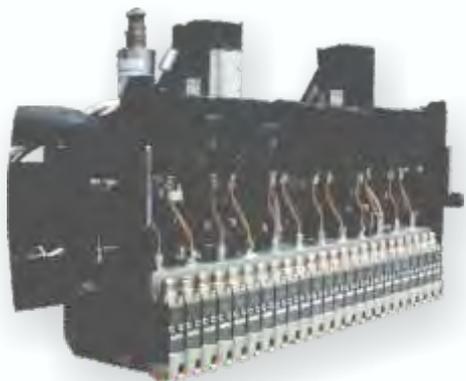
ProCoat  
**The optimal solution for clear  
to clear applications,  
transparent labels and  
flexible packaging.**

Our Coating Systems are manufactured with two substantial side plates and house the extrusion die, die mount, precision EPDM rubber or chrome coating roller, motorized back up roll and any necessary path and nip rolls to suit the specifications of the project.

Two worm and wheel backlash-free, micro-adjust mechanisms complete with a micron dial (clock) allow the operators to accurately adjust and monitor contact between the die and substrate.

## Non-contact Applicators

Compact and modular designs for applicators provide one of the largest ranges for hot melt adhesive patterns in the industry. Available for the most diverse applications, such as filter assembly, insulating materials, rock wool with metal film, fiberglass textiles, mattress assembly, PE and nonwovens, sanitary clothes, etc. Whatever your specific requirements may be, Valco Melton's products are designed to suit your required configuration.

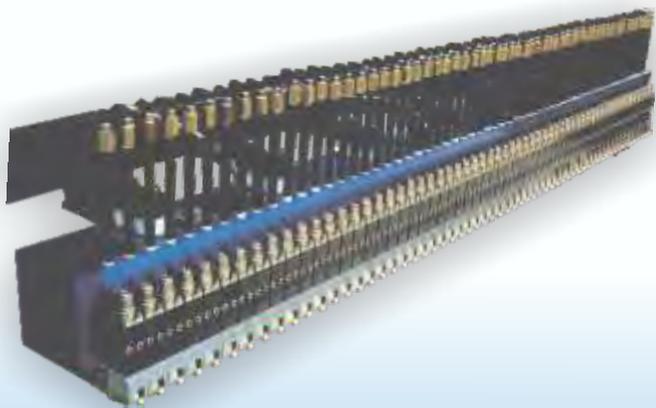


### METERING HEADS

For the most accurate adhesive pattern, Valco Melton's Metering Applicator provides precise adhesive "grammage". Improve adhesive grammage precision and pattern consistency and quality thanks to separately controlled gear pumps, that achieve a precise volumetric dosing.

### SWIRL APPLICATOR

Valco Melton's spray applicators feature an independent air heater that permits exhaustive control for a diverse range of pattern applications. An individual or common pneumatic module opening allows for easy individual or grouped configurations to cover specific pattern requirements.



### BAT APPLICATOR

Application of controlled fiber widths offers consistent, strong bonds with improved product appearance and without pattern marks. Achieve different combinations with only one applicator.



SWIRL



BAT 22



BAT M



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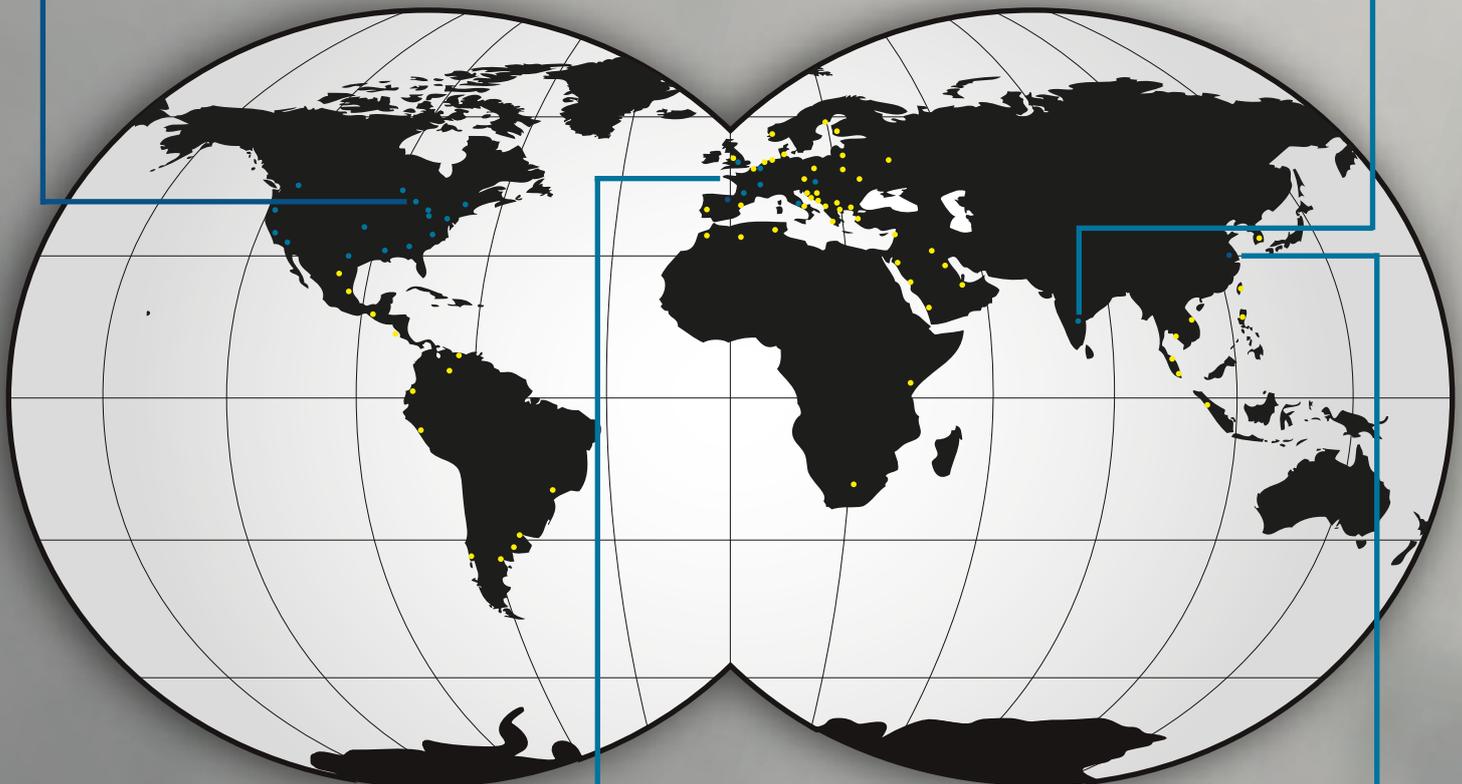
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