

VALCO MELTON

Woodworking, PVC and Aluminum Solutions

Adhesive Dispensing & Quality Assurance Systems

English Edition

VALCO MELTON

WOODWORKING, PVC
& ALUMINUM SOLUTIONS

Maximize Your Capabilities with Valco Melton Adhesive Melters.

Valco Melton supports its customers in the woodworking sector with a broad range of experience. After years of focused research and development, Valco Melton has developed a full range of adhesive melters to cover the adhesive dispensing requirements of the industry-- from smaller tanks for lower melting rates to the largest drum melters and a variety of units to work in tandem.

EVA & PAO Adhesive Melters



FlexMelt™ & D Series:

Functional units that optimize adhesive performance. A compact design facilitates easy installation and access to minimize maintenance times. The FlexMelt Series (http://delivr.com/23p2j) is available in a 2 pump option to allow for simultaneous use of 2 independent applicator heads. D Series units (http://delivr.com/27jdu) offer key-to-line capabilities, integrated glue pattern control, variable pressure relief and high output pumps in option.





M & S Series:

Specially designed for the most demanding, continuous applications in the woodworking, PVC and aluminum industries. The M and S Series include various units with melting rates to cover any application need. The M Series (http://delivr.com/2dggq) features an intuitive LCD touchscreen to facilitate setup and control operations. S Series Units (http://delivr.com/2kvb2) feature a reverse pump mode and stand-alone wax recirculation.







Specially designed to work with PUR adhesive

PUR adhesive is a cross-linking, reactive adhesive. Before it is applied to any substrate, it is critical that the PUR does not come into contact with any moisture (i.e. humidity in the air). Valco Melton's PUR melters ensure an air-tight closure to prevent adhesive degradation, resulting in great adhesive savings and consistent operation.

Eliminate refill downtime with the capability of working in tandem with Valco Melton's drum melters.

BDrum & SDrum



BPail

Drum Melters:

When a high melting capacity is required, you can rely on Valco Melton's range of drum melters. All series feature durable, long lasting Teflon® coated o'rings and a variable speed gear pump.
Operator safety is guaranteed with new safety elements including an exhaust hood, safety jacket and pneumatic pressure regulator to relieve system pressure.

The **BPail** works with 20kg PUR pails. (http://delivr.com/2axrw)

For 200kg PUR pails, the **BDrum** (http://delivr.com/232f8) and **SDrum** (http://delivr.com/2vmmw) Unloaders are Valco Melton's newest and most advanced solutions.

B5





B20

Slug Melters: B5 & B20 Series

Slug melters make PUR handling easy. The PUR slug goes directly into the melting tank without any need to unwrap it, making work faster and safer. This series includes an easy-opening system to minimize cleaning and maintenance times. Its reservoir tank completely eliminates production stops during slug changes. (http://delivr.com/22tgf)

Select the **B5** to work with small 2kg PUR slugs to reach a melt rate of up to 6kg/h.

For 20kg standard PUR slugs, the **B20** is the ideal solution, melting up to 37.5 kg/h.

IsoMelt



PUR Melters:

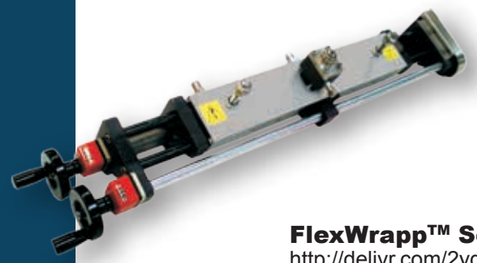
Conventional Valco Melton PUR melters feature a hermetic lid, air dryer, and PLC atmosphere control. The **IsoMelt™** Series (http://delivr.com/2ypaw) achieves a high production output. Available options include 1 or 2 gear pumps. The IsoMelt features up to 2 hydraulic connections per pump, 6 electrical exits and 12 independent control channels, as well as an integrated grammage control. With a tiltable tank and removable melting grid, faster and safer maintenance and cleaning operations are possible.

Woodworking, PVC
& Aluminum Solutions

Profile Wrapping Solutions

Valco Melton's coating systems for Profile Wrapping are engineered to cover the needs of a demanding woodworking environment. Applicators achieve superior quality end products with considerable adhesive savings and minimal downtime for overall better production.

Get more details for each of our products instantly by visiting the URL beside the specific product name in the body text.



Valco Melton's FlexWrapp Coating Gun Series is designed for continuous applications up to 1000mm that require frequent width changes with maximum accuracy, to reduce adhesive waste and minimize overall costs.

FlexWrapp applicators are compact, light and easily installed. They include an easy-to-use width adjustment device; bilateral, independent, and with just one operational side.

FlexWrapp™ Series
http://delivr.com/2yddk



Deliver fast width changes with maximum precision.

Reduce Adhesive Usage...



For coating needs on wider surfaces, Valco Melton offers a range of hot melt adhesive applicators for Panel Lamination.

Valco Melton's MA Series has been designed to achieve optimal lamination results starting from 1000mm.

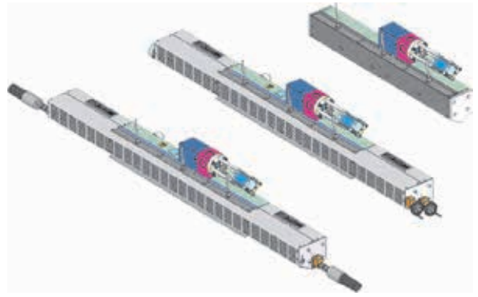
All MA Series applicators feature an integrated bracket for the adjustment of the applicators angle between the applicator head and the substrate.

Aside from this, a back-up guide ensures uniform contact of the wrap against its head. It moves out when the machine stops to prevent burns and damage on the substrate.



MA Series with Integrated Bracket
http://delivr.com/29wqx





Valco Melton's MA series is available in 3 standard options to properly suit a variety of application needs:

1. An applicator with a fixed coating width and interchangeable blades.

2. An integrated, manual width adjustment system, which can be configured to run bilateral, independent, or with one operational side.

3. Or, an integrated stepper motor for high-precision adjustment and faster work changes with minimal operator intervention.

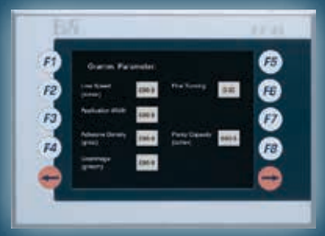
By combining precision adjustment of the application width, with an accurate and uniform coating, Valco Melton's MA Series achieves extremely low application tolerances. This results in important adhesive savings and minimal substrate waste.

For specific coating needs that require non-standard solutions, Valco Melton's Engineered Products Group can tailor configurations to your exact specifications.

...Achieve the Highest Quality



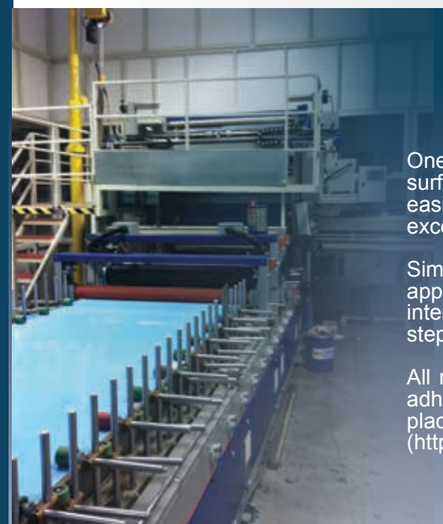
Valco Melton's Grammage Control



Valco Melton's hot melt units incorporate grammage (coat-weight) control, accessible through a user-friendly PLC touchscreen.

Grammage controls facilitate operator's programming tasks. Eliminate the need to calculate a machine's working parameters to apply a given coat weight. The intuitive interface guides the operator to fill-in the application width, the adhesive density and the gsm (g/m2) to be applied. The melting system will automatically adjust the pumping rate to the necessary working conditions, while also taking the variable line speed of the parent machine into account.

By simplifying operator's programming tasks, Valco Melton's grammage control virtually eliminates waste product and downtime associated with an incorrect adjustment of the coat weight. This results in important adhesive savings and defect-free end products. (http://delivr.com/2eu8h)



High-Gloss Applications with Valco Melton's Rotating Bar Guns

One of the latest trends in furniture includes a high-gloss surface finish. Valco Melton's range of Rotating Bar Guns are easily configurable and provide streak-free coating with excellent coat-weight control.

Similar to Valco Melton's profile wrapping guns, these applicators are available in 3 standard options: fixed width with interchangeable blades, manual width adjustment, and stepper motor width adjustment.

All rotating bar guns create a streak-free, uniform coating of adhesive across the entire width of the application, perfectly placed by a uniquely designed servo driven nozzle bar. (http://delivr.com/2x497)



Edgebanding Solutions

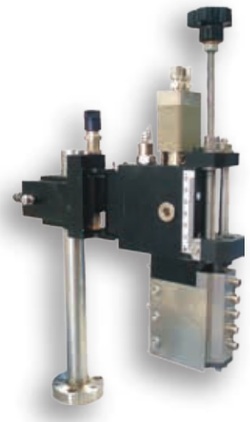


Valco Melton offers rugged and precise applicators to support edgebanding application needs with special features to eliminate warped and curved board issues. Take away the need for operation adjustment and provide automatic shut-off for additional savings with the industry proven, reliable MCP-4C control. With reduced glue usage and controllable, repeatable processes at all machine speeds, the Valco Melton Edgebanging System saves both time and money with improved production quality and a reliable solution.

VM Applicators:

MEB Series: Valco Melton's MEB Gun Series Coating Applicator improves obsolete, previously existing roller systems, allows for intermittent coatings and several application widths up to 90mm.

To ensure the versatility in the application process, the MEB Series includes a manual precision width adjustment and permits lamination in both directions.





VM Pattern Controls:



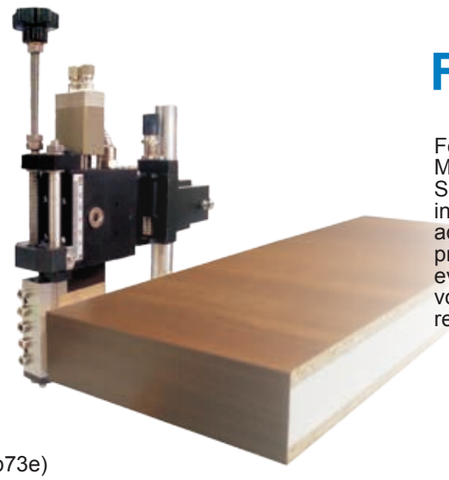
MCP-4C
(http://delivr.com/2zf5d)

Edgebanding and Postforming Applications require a highly accurate adhesive pattern. Achieve a precise application for a flawless end product and reduce adhesive waste from Valco Melton's selection of pattern controls.



Each gun in Valco Melton's MEB Series includes integrated brackets. Ensure that the gun will always make contact with a solid surface with brackets on production lines where wood panels are supplied individually at high speeds.

Improve resistance by absorbing the impact made by wood panels during the application process with the MEB Series' NEW spring-loaded pivot.



MEB Series
(http://delivr.com/2b73e)

Postforming Solutions

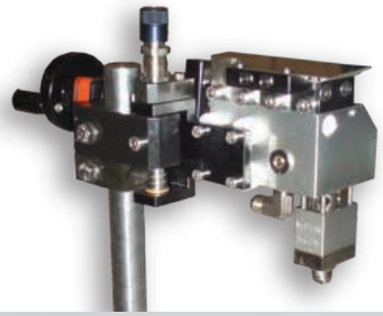


Valco Melton offers a complete solution for post-forming applications; from a high-flow roll application to super-precise edge gluing. In combination with the MCP-4C pattern control, Valco Melton provides an unyielding response to the most demanding user needs.

Postforming Gun Series
(http://delivr.com/2kb4h)

Valco Melton's Postforming Series includes guns featuring manual micro-adjustment for highly accurate applications that maintain versatility.

Each of the guns in the Postforming Series feature a specially designed, integrated bracket to facilitate installation into already existing lines and to ensure that the applicator is always in contact with a solid surface.



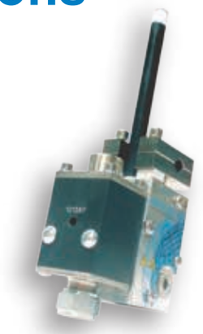


Valco Melton's MCP-4C is a full-featured adhesive system pattern control with exceptional value. It can be used with an extensive selection of Valco Melton's cold glue or hot melt adhesive dispensing valves and is suited for edgebanding, postforming and other high speed requirements.

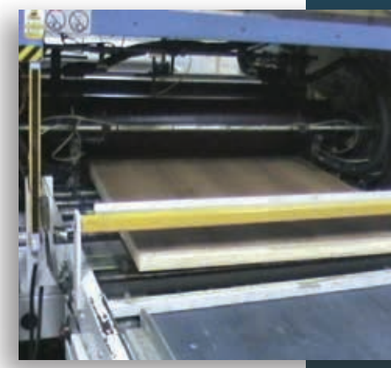
Maintain consistent adhesive volume during changes in machine speed with automatic motor-speed tracking. This MCP-4C feature automatically shuts the valve off when a board stops in the application area and opens as soon as the machine begins again, eliminating wasted boards.

Flat Lamination Solutions

For laminations using roll systems, Valco Melton offers the High-Flow MS Gun Series. This applicator integrates perfectly into already existing lines without any additional need for adjustment. Supply problem-free, constant adhesive flow with even and precise coating at the large volumes that roller lamination systems require.



High-Flow MS Gun Series
(http://delivr.com/25agf)



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