



# TISSUE INDUSTRY SOLUTIONS

HOT MELT AND COLD GLUE DISPENSING SOLUTIONS

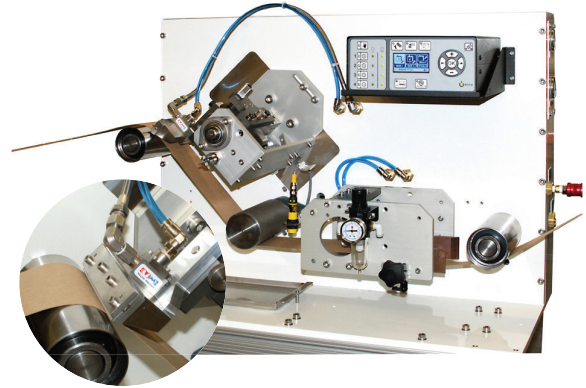
## Corewinding Adhesive Application Systems

Valco Melton's Corewinder Adhesive Application system for spiral wound cores and tubes features an enclosed extrusion system designed to replace open glue pots and cascading systems.

Achieve consistent adhesive application at all production speeds while eliminating the mess and contamination associated with open systems.

### Benefits:

- Systems are available for single and multi-ply core applications.
- Reduce glue usage up to 30% for 2-ply systems and up to 80% for 1-ply systems.
- Eliminate "glue slinging" at high production rates.



*Increase adhesive mileage, minimize cleanup and improve quality with Valco Melton's Corewinding System*

## Tail Tie Systems

Consistent application of tail tie adhesives to create an appropriate bond without bleed through is often a quality issue when finishing tissue and towel rolls. Valco Melton's bead and spray applicators were specifically designed to eliminate these concerns.



### Benefits:

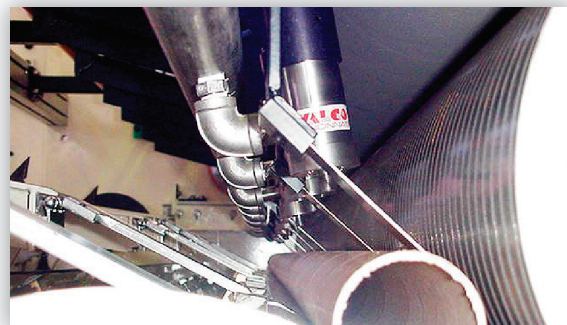
- Controlled, high-speed bead application can apply lines or droplets without dripping.
- Narrow fan pattern application creates a strong bond without overspray or bleed through.
- Precise control over the amount and placement of adhesive while minimizing material handling and constant adjustment.

## Adhesive Pickup Systems

Valco Melton's programmable extrusion systems for applying pickup adhesives on tissue machines offer increased uptime and eliminate quality issues often experienced with open systems. The enclosed application system from Valco Melton eliminates adhesive contamination while applying consistent glue patterns at all speeds.

### Benefits:

- Precise control of glue application at all speeds.
- Minimize cleanup and maintenance.
- Consistent glue viscosities and tack with heated or unheated applications.



## Ply Lamination

Achieve quality ply lamination without the large capital cost associated with embossing roll systems. Valco Melton's adhesive spray and metering technology applies precise, controlled adhesive coverage on all basis weights. Valve centers can easily be adjusted to match web width variations.

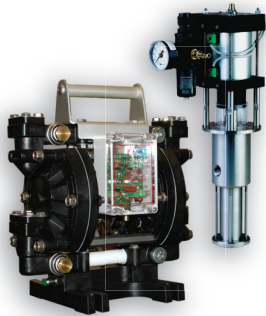
### Benefits:

- Unique spray head design controls fan pattern while reducing overspray in full coverage or "stripes".
- Needle/seat design and external atomization keeps nozzle tips clean and purged of debris that can cause clogging.
- System controls the volume of adhesive being dispensed in relation to machine speed, ensuring consistent coverage at all machine speeds.
- Spray boom automatically retracts into a sealed, washdown enclosure for easy cleaning.



*Ply lamination system for tissue and towel*

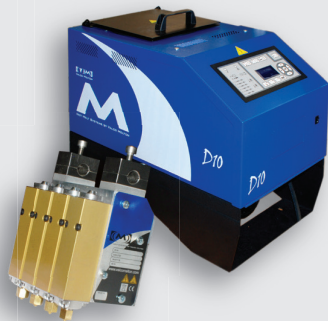
## Adhesive Supply



Valco Melton offers a variety of pump styles including low pressure diaphragm pumps and high pressure piston pumps. Valco Melton's DD-1 electronically controlled diaphragm pump offers extreme reliability and cannot hang up or stall. When used for intermittent output applications, the pump will stop, then immediately restart as the system requires.

## Adhesive Filtration

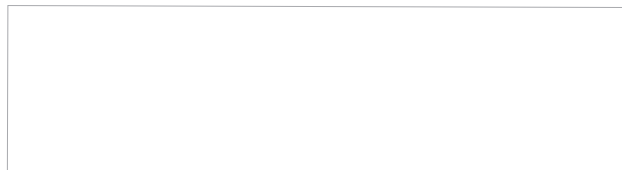
Valco Melton also offers complete mixing, batching and central supply systems that include: automatic control of glue level in pots, low level warning on adhesive totes, and automatic filter systems programmed to remove debris and "fines" from re-circulated adhesives, eliminating messy filter changes.



## Packaging Applications

Valco Melton's EcoStitch™ all-electric hot melt systems provide better efficiency in bonding when compared to pneumatic systems. Featuring a ceramic ball and seat, EcoStitch applicators can work at 3,000 cycles per minute on continuous duty, with a lifespan of 500+ million cycles. Additional benefits include:

- Eliminate plugged nozzles
- Reduce part changes = Reduce downtime
- Reduce adhesive usage up to 75%
- No compressed air required



For more information, visit [valcomelton.com](http://valcomelton.com) or contact your local Valco Melton representative.

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