



ISOMELT MINI & D4 PUR SERIES

PUR Adhesive Melters

Valco Melton's IsoMelt Mini and D4 PUR Series have been specifically designed to process reactive hot melts such as PUR. The tank can accommodate 2kg PUR standard slugs and work with up to 4 liters of adhesive. All units feature a fully integrated multi-functional controller that is accessible from a user-friendly screen, allowing for fast and easy configuration changes and providing 'key-to-line' capabilities.

Isomelt Mini & D4 PUR Series Features

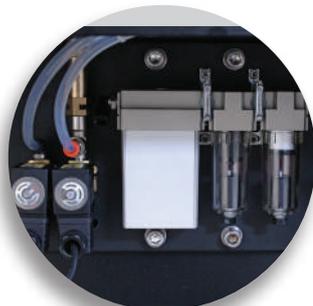
- Ideal for edge-banding, post-forming, bookbinding, product assembly and clear packaging.
- No cleaning is required, which eliminates the need for weekend shutdown.
- Swiveling tank lid allows for faster changes of PUR slugs, minimizing downtime.



Airtight tank opening and blowing system.



Integrated grammage control, accessible through a MFC controller, simplifies the operator's programming tasks to eliminate product loss and downtime associated with incorrect coat weight adjustments.



Dry air blanket prevents moisture from reaching the adhesive.



Teflon® coated round tank offers easy cleaning and minimized adhesive degradation.



Ensure a cleaner application with the integrated filter in the pump manifold.

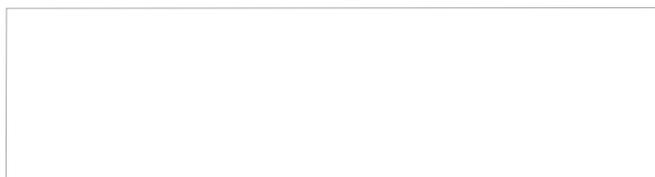
- Optional pneumatic pressure regulation
- Optional lighting beacon and unit alarms to indicate low adhesive levels
- Wide range of available options permits complete customization based on specific user needs

Technical Specifications

Unit	IsoMelt Mini Series	D4 PUR Series
Tank Capacity (L)	4L	
Melting Capacity (Kg/h)	5 Kg/h (*)	
Adhesives	PUR	
Number of Pumps	1	
Working Temperature	30 - 230 °C	
Electrical Connection	230 V 3-phase Δ / 400 V 3-phase Y – 50/60 Hz	
Max. Working Viscosity	100,000 cps	
Max. Working Hydraulic Pressure	100 bar	
Max. Electrical Tank Consumption	1200 W	
Max. Pumping Capacity per Pump (Kg/h)	48	24
Variable Speed	Yes	No
Grammage Control	Yes	No
Max. Electric Exits	4	2
Hydraulic Exits	4	2

(*) Melt rate may vary depending on specific adhesive type

Max. channel power	4 Output Electronic Board			
	Channel 1 / Channel 2		Channel 3 / Channel 4	
Unit	IsoMelt Mini Series	D4 PUR Series	IsoMelt Mini Series	D4 PUR Series
Per channel (hose and gun)	2x1800	2x1150	2x1400	-



For more information, visit valcomelton.com or contact your local Valco Melton representative.

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CLEARCUT SERIES

60mm Wide Adjustable Applicators for Edgebanding Processes

Featuring an enclosed adhesive system, Valco Melton's ClearCut Series prevents adhesive degradation associated with previously existing roller systems, making it the ideal solution for working with PUR. By controlling the exact amount and placement of the adhesive on the board, the glue excess commonly found on board edges when using roller systems is completely eliminated. This results in a flawless end product, with minimal material and adhesive waste. Designed for intermittent applications, ClearCut Series hot melt guns are well-suited for use in wood sealing and edgebanding processes, and are available with either manual or motorized width adjustment systems.

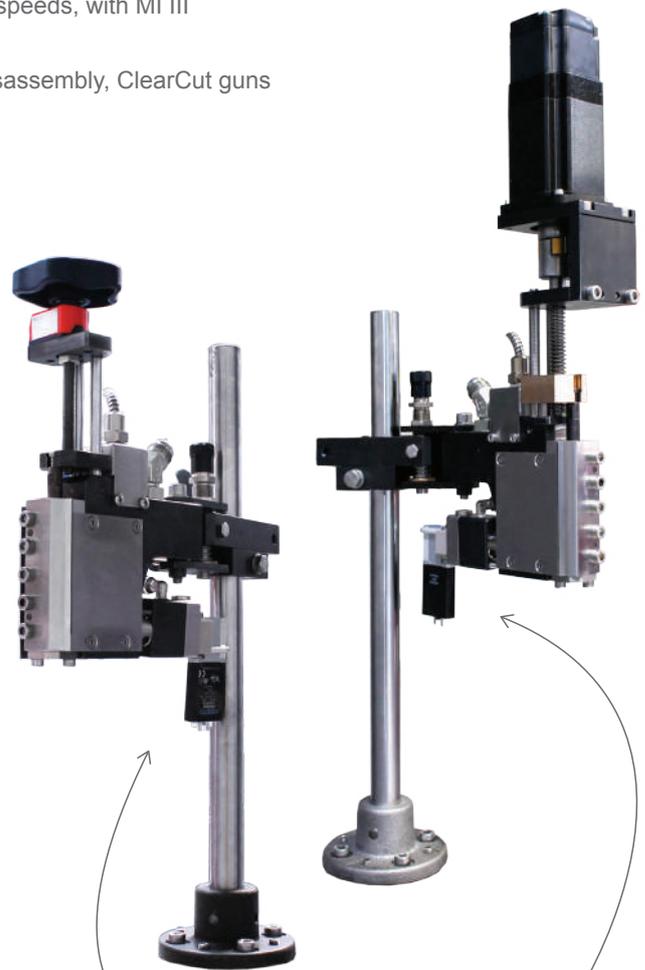
Benefits:

- Eliminate PUR degradation problems by using an enclosed adhesive application system
- Ensure a sharp cut-off, even when working at the highest line speeds, with MI III modules
- Easier maintenance. Simplified design for easy access and disassembly, ClearCut guns allow faster PUR cleaning and shim replacement tasks
- Select the width adjustment system that better suits your production needs: manual or motorized
- Guarantee a consistent application at any line speed. An integrated bracket technology absorbs the board impact during production for an homogeneous adhesive coating and increased gun durability



Automatic Width Adjustment

For a fully automated process, ClearCut solution can incorporate a sensor, to detect each board's exact thickness. The motor automatically adjusts the application width, within the tolerance range set for each batch.



High-speed MI III modules provide an excellent cut off at any line speed



Suitable for Edge Sealing Applications

Edge sealing is a key process for ensuring a defect-free, and long-lasting product, when working with the less expensive materials for the board panel. Filling the porous middle layer with EVA adhesive creates an homogeneous surface, facilitating the profile wrapping process. The use of more homogeneous but significantly more expensive materials can be avoided.

Utilizing the ClearCut Series guns, users can apply a flat and smooth surface along the edge of the board for easy and even profile wrapping or edgebanding application, and achieve a higher quality end product.

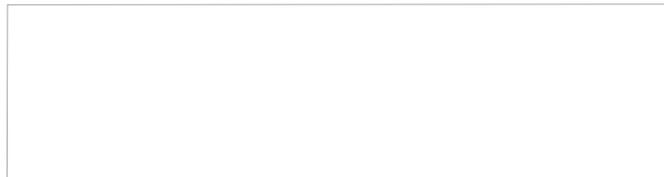
Combine ClearCut Guns with MCP-6 Pattern Controls for high precision dispensing

- Guarantees precise application of the adhesive patterns required for edgebanding and sealing processes, resulting in a defect-free end product with minimal adhesive waste.
- Automatic motor-speed tracking feature helps maintain a consistent adhesive volume during machine speed changes.
- Valves automatically shut-off when a board stops in the application area and reopen as soon as the machine restarts to eliminate wasted boards.



Technical Specifications

ClearCut Series Characteristics	
Max. Operating Temperature	240°C / 464°F
Max. Operating Hydraulic Pressure	100 bar/ 1450 psi
Max. Operating Cycle Rate	150 cycles per minute
Operating Air Pressure	4-6 bar/ 58-87 psi
Electric Supply	190-250 VAC 50/60 Hz
Max. Application Width	Up to 60 mm



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