

PatternCoat™ Slot Gun



Adjustable-width slot gun delivers production efficiency in magazine-fed labeling applications with frequent label format changes.

The PatternCoat slot gun is the ideal alternative to open glue bath roller applicators and fixed, slot nozzle extrusion heads that are traditionally used in labeling applications.

In wraparound carousel labeling systems where magazine-fed, cut-and-stack labels are applied, the pick-up gun delivers a swirl pattern of hot melt adhesive to plastic bottles, glass jars, tin cans and other containers. The lap gun applies a thin strip of adhesive in a stacked bar pattern to the trailing edge of the label as it is pulled from the label stack by the container in the labeling process.

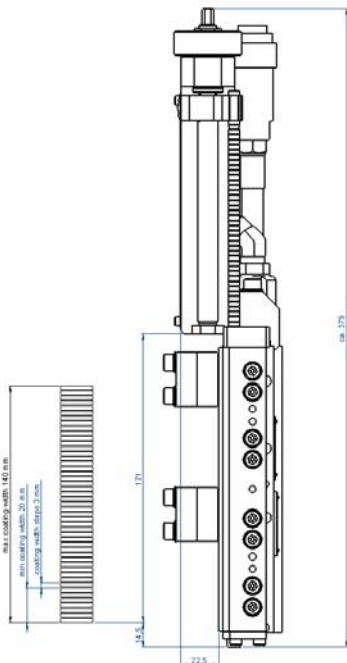
The adjustable-width application head is highly flexible and designed to apply a wide range of hot melt adhesives. Simply adjusting the hand wheel allows for coating widths from 20 mm to 140 mm. A scale provides precise readout of the chosen coating width permitting adhesive deposition to be fine tuned.

Superior cutoff performance leads to more uniform patterns, better control and less adhesive waste. Unique valve technology minimizes leakages even at reduced coating widths for a cleaner work environment.



Features and Benefits

- Flexible pattern widths achievable with patented adjustable wheel.
- Precise adhesive application delivers considerable adhesive savings; additional savings can be realized by parallel extrusion of glue bars forming a starved film.
- Integrates directly onto the label magazine with a multi-directional bracket.
- Easy-to-read scale on the adjustment device allows for fine tuning and consistent adhesive deposition on labels.
- Snuff-back technology provides adhesive cutoff even at higher line speeds to minimize maintenance.
- Closed adhesive application system prevents adhesive contamination and delivers accurate temperature control to reduce char.
- Fast change-over by adjusting coating width within a window of 20 mm up to 140 mm (label size 26 to 150 mm) instead of changing a shim plate or die-set (mouth-piece) on a fixed slot gun.
- If space is critical, the gun's height can be reduced by about 40% by removing the adjusting device.



Technical Specifications

Operating Temperature	60 to 200 °C (140 to 392 °F)
Adhesive Pressure	7 mPa / 70 bar / 1016 psi
Application Width	20 mm up to 140 mm
Temperature Sensors	Ni120
Air Pressure	0.4 to 0.6 MPa/ 4 to 6 bar/ 7.9 to 8.7 psi
Water Protection	T - version: IP 30 W - version: IP 54
Operating Voltage	230 VAC 50/ 60 Hz, 1 phase
Power Consumption	450 W
Dimensions (L x W x H)	Approx. 250 x 140 x 370 mm (9.84 x 5.51 x 14.57 in; removable width adjusting device reduces height by 40%, piston rod stays up)
Weight	7 kg/ 16 lb
Bracketry	Full compatibility with standard Nordson labeling brackets. Adapters are available for different labelers.



Scale allows precise readout for consistent adhesive deposition.



Hand wheel allows easy adjustment of coating width

Easy change-over concept for clockwise to counter-clockwise carousel labeler version, removable adjusting device and pattern width adjustment patented by Nordson.



For more information, talk with your Nordson representative or contact your Nordson regional office.

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