

FLEXCOAT DUAL NOZZLE

Hot melt coating applicators with dual nozzle technology

Bring in unparalleled flexibility to your coating process while optimizing adhesive usage with FlexCoat Dual applicators. Featuring a newly developed dual nozzle with three configurable application zones, these innovative applicators can work with multiple adhesive types and grammages simultaneously. Different patterns can be achieved by replacing shims, which can be easily prepared off-line.

Key highlights of FlexCoat Dual Nozzle applicators include:

- Optimize adhesive usage. Apply the exact grammages required for each application zone.
- Configure separate or overlapping adhesive application zones to match your specific production needs. An innovative dual nozzle integrates two separate shims, each one configured to create a different pattern, which can be applied in succession or simultaneously. Patterns can be easily changed by replacing shims.
- Work with several adhesive types and/or grammages simultaneously with one single applicator head.



High-speed Intermittent Modules

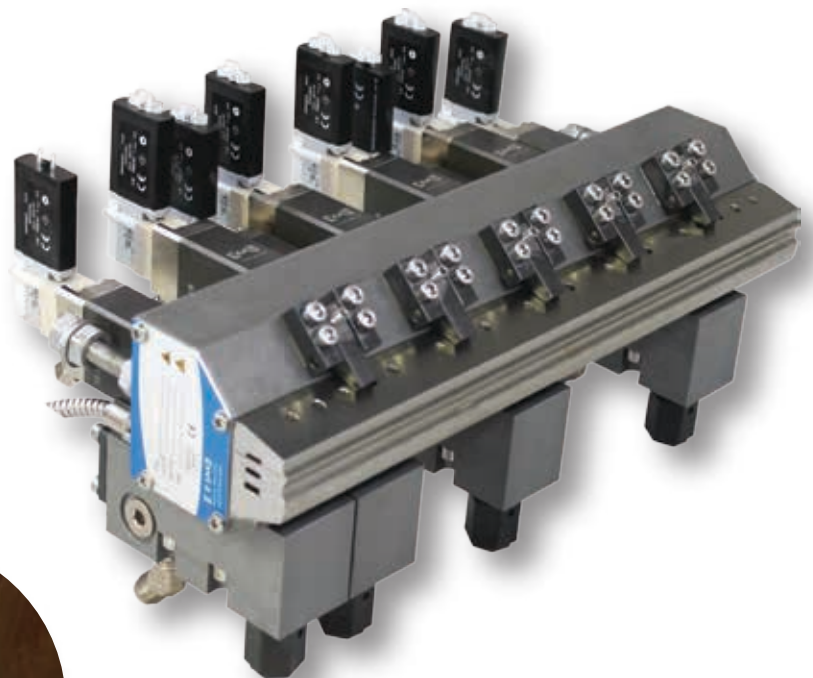
MI III Modules provide exceptional cut-off as well as improved repeatable adhesive application, making them ideal for high speed, intermittent applications.



Overlapping applications with one single applicator

One single applicator head can apply several adhesive types and grammages thanks to a specifically engineered design that combines two nozzles.

Patterns are configured on the shim, and can combine continuous and intermittent applications, separate or overlapping, to match the specific production requirements on each line.



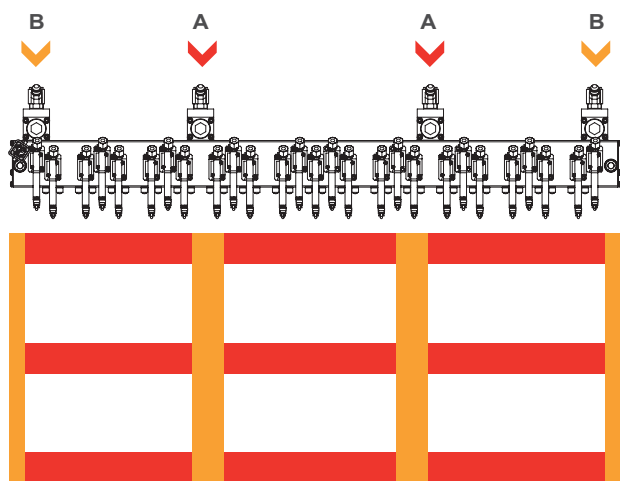
Independent Adhesive Input

Each zone features an independent adhesive input, with an integrated filter to ensure a clean application. For applications requiring a highly precise and controlled adhesive dosing, flow control systems are available as an option.

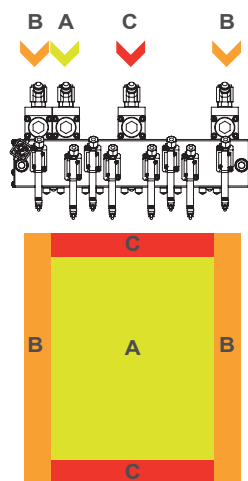
Optimize Adhesive Usage on Every Product

FlexCoat Dual Applicators allow for an unlimited range of pattern configurations with one single applicator head. A specifically designed nozzle features two separate shims, which can be custom configured to meet most any application pattern. The dispensing modules on each zone can work with different adhesive types and may be set on continuous or intermittent mode as needed. Additionally, grammages on each zone can be adjusted separately, thus optimizing adhesive usage throughout the full width of the coating surface.

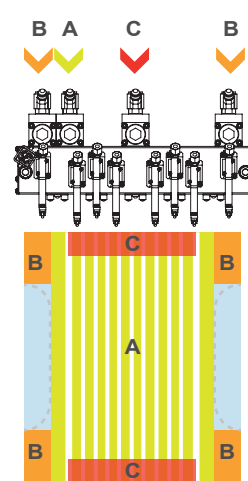
Samples of adhesive application configurations



Window Frame Patterns for Packing List Envelopes



Underpads



Adult or Baby Diapers

FlexCoat Dual Applicators Specifications

Cycle Time	5 ms
Max Coating Width	Up to 1100 mm
Operating Speed	500 m/min
Max Operating Temperature	240° C (464° F)
Max Operating Pressure	100 bar
Max Electrical Consumption	Body Gun: 500 W every 100 mm
Temperature Control	NI-120 / PT-100 / FEKO / NTC



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