

Coating Station for the high-precision application of hot-melt coatings

The Maan Hotmelt Coating Station is a premium station for the application of hot melt on flexible materials, such as paper and foil. The station is the basis of the Maan Coating Lines, but may also be integrated as a station in a printing or converting line. Process control and coating quality were the key starting points for development of this machine. With three individually driven pumps in the Coating Head, the adhesive is transferred to the substrate in an extremely homogeneous way. The setting of the coating weight is coupled to the web speed. The coating weight thus remains constant, even at different web speeds. Because the coating roller can be equipped with a sleeve, the coating width and coating pattern are easy to modify.

Nozzles

The basis of the Hotmelt Coating Station is the Coating Head. Different nozzles are easily mounted and swapped on this Coating Head. Both nozzles extrude the hot-melt directly on to the substrate. The patented DieRect Roller Nozzle, with Rotating

Bar for removing contamination and spreading the adhesive, is used for low coating weights and an extremely homogeneous coating appearance. The SlotNozzle, with shim plate, is used when coating patterns need to be swapped fast and frequently.

HYBRID coating technology

The Hotmelt Coating Station may also be fitted with the HYBRID option. This option involves mounting the Coating Station on a turntable, so the station can be rotated 360°. Using this unique technology means you no longer need a process-unfriendly transfer unit for coating both sides of the substrate. The adhesive is applied to both the top and bottom of the substrate using this HYBRID option. In around 15 minutes, the operator can rotate the Coating Station and make it operational. [>](#)

OPTIONS

An extensive selection of options is available on all our machines.

For more information, contact us so that we can configure the machine to your requirements.



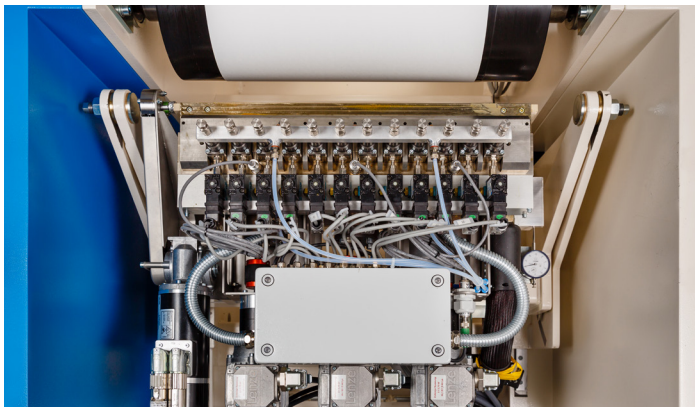
Hotmelt Coating Station

SPECIFICATIONS

Technical overview	HCS530	HCS660
Web width (mm)	530	660
Coating weight (gr/m2)	12 – 24*	12 – 24*
Web speed (m/min)	150	150
Web tension (N)	40-250	40-250
Diameter coating roller (mm)	270	270
Nozzles**	DieRect Roller Nozzle or SlotNozzle	DieRect Roller Nozzle or SlotNozzle

* Depending on materials and type of hotmelt

** The DieRect Roller Nozzle is a patented design (including US10632490, CA2979769, EP3069797 & WO2016146668).



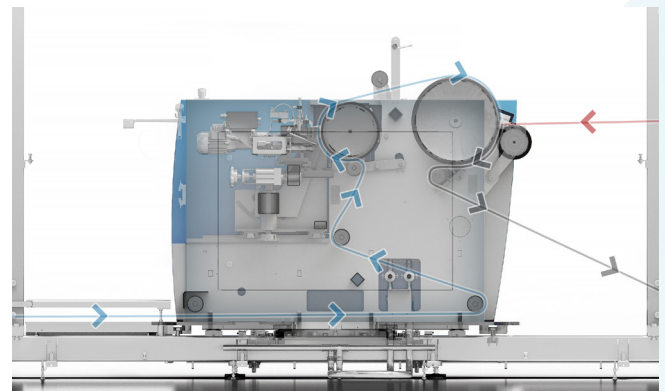
Coating Head in Hotmelt Coating Station



Sleevesystem op coatingwals



Exchange system for DieRect Roller Nozzle and SlotNozzle



Functioning Hotmelt Coating Station



Klipperweg 16
8102 HR Raalte The Netherlands
T +31 (0)572 - 35 27 71
E info@maan-engineering.com
W www.maan-engineering.com



the  in progress