

Technical Data Sheet Roller Coater - Top

Version RC-T-2021.1 - March 2021

Roller Coater for the application of (PUR) Hot Melts to flat materials

The Maan Roller Coater – Top is a high-quality machine for the application of (PUR) Hot Melts. Ease of operation and process control were the most important considerations behind the development of this machine. The Roller Coater applies a hot-melt coating with extreme precision to flat materials such as wood, plastic or foam. The production speed of the Roller Coater is between 3 and 30 metres per minute. All the parameters of the machine can be adjusted on the touchscreen display for the perfect machine settings and the highest hot-melt coating quality.

Heated rollers

The distinguishing feature of the Maan Roller Coater are its oil-heated coating rollers. As a result, the correct application temperature of the glue is guaranteed. The glue connection is thus made under perfect conditions, and the process takes place in a controlled manner. This is also why the Roller Coaters are equipped with steel rollers as standard, which also ensure optimal control of the glue temperature. Other roller types can be integrated to meet customers' requirements. The Roller Coater has a pass height as standard of 3-100 cm that can be adjusted electronically.

Variably adjustable seals

The seals on the roller are variably adjustable, so the coating width can be set manually. By allowing the coating width to follow the process, you save glue and time. Because the seals of the Maan Roller Coater are mounted on the roller, leaking of glue alongside the roller is ruled out.

Integration

The Maan Engineering Roller Coater is equipped as standard with two connection points for glue heads and a level sensor that measures the height of the glue between the rollers. The Roller Coater can be ideally combined with the Maan Drum Melter. Thanks to the level measurement, the Roller Coater is automatically supplied with the right amount of glue. As standard, two glue heads are installed on the outside of the roller to prevent ageing of the glue. The Maan Roller Coater is set up for integration into a (semi-)automatic production line. >

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.



Roller Coater - Top

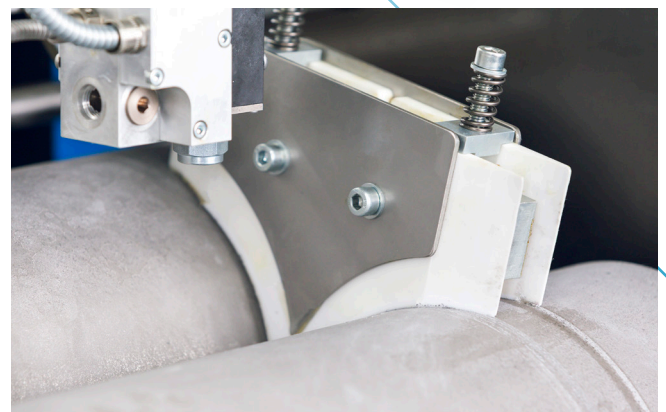
SPECIFICATIONS

Technical overview	RC800-T	RC1600-T	RC2000-T	RC2400-T
Roller width (mm)	900	1700	2100	2500
Coating width (mm)	800	1600	2000	2400
Working height (mm)	950	950	950	950
Substrate thickness (mm)	3-100	3-100	3-100	3-100
Speed (m/min)	3-30	3-30	3-30	3-30
Coating weight (g/m ²)	20-400	20-400	20-400	20-400
Diameter of the rolls (mm)	210	210	245	300
Temperature range (°C)	30-200	30-200	30-200	30-200
Temperature sensor (type)	PT100	PT100	PT100	PT100
Power supply	3/N/PE 400V, 50/60 Hz, 16A	3/N/PE 400V, 50/60 Hz, 28A	3/N/PE 400V, 50/60 Hz, 40A	3/N/PE 400V, 50/60 Hz, 40A
Pneumatic pressure (bar)	8	8	8	8
Exhaust capacity (m ³ /hr)	600	800	1000	1000
Dimensions (lxwxh) (mm)	1000x2300x2100	1000x3100x2100	1000x3500x2100	1000x3900x2100
Weight (kg)	1250	1600	2000	2250

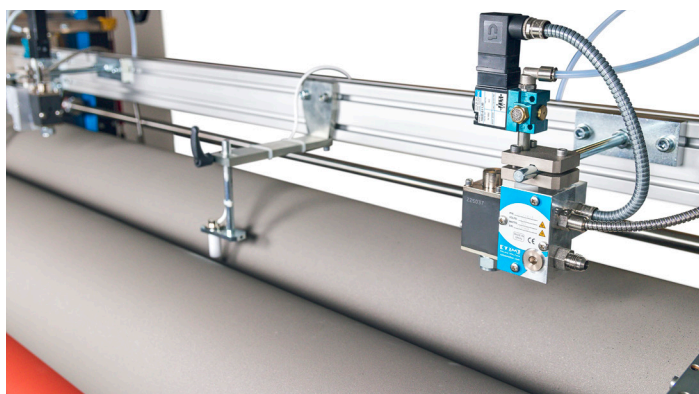
* Depending on substrate, speed and adhesive



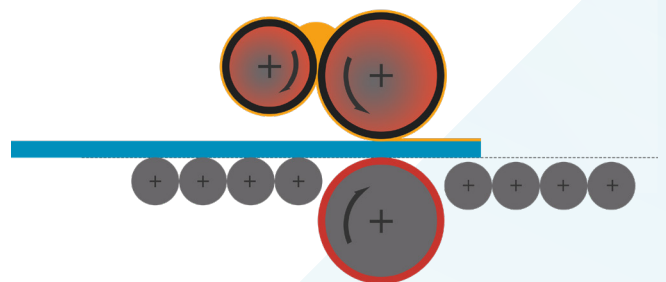
Drip tray and steel, oil heated, rollers



Variabel adjustable seals



Hotmelt guns and level sensor



Functioning Roller Coater - Top



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the  in progress