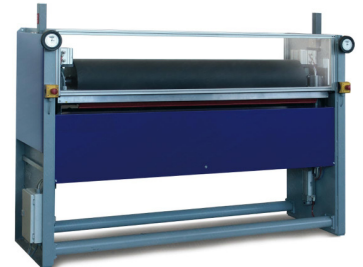


- Industrial Dispensing Equipment & Adhesive Systems
- Industrial Tooling & Maintenance Services
- Industrial Contracting, Engineering & Automation

WLA Series Roller Coaters for Hot Melt and PUR



Kalandar unit 1600mm



FS200 LC Drum Melter

The InduTech WLA series roller coaters are cost-effective and flexible machine solutions for almost all flat coatings in product assembly and coating converting applications (textile, foil & paper) with hot melt and reactive PUR hot melts.

Roller coaters are typically used for continuous web coating or separate edge-to-edge coating of individual parts such as multi-layer insulation panels, automotive parts, foam assemblies, etc...

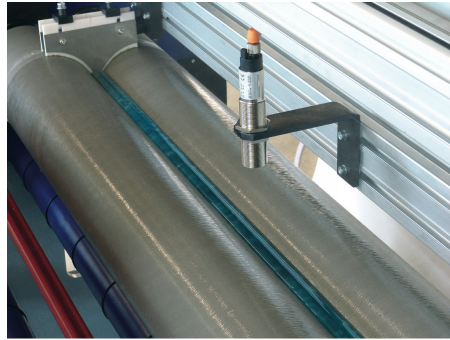
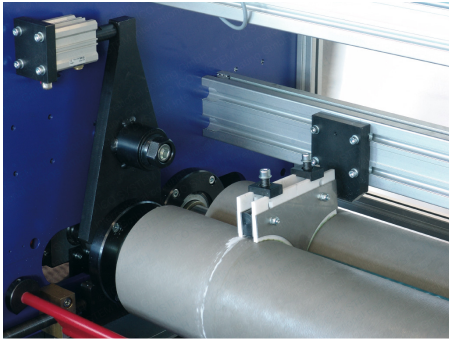
The hot melt is fed between two individually heated rollers, i.e. coating roll and doctor roll, separately adjustable in speed. This speed differential creates a doctor blade effect resulting in a very smooth and steady coating pattern over the full width on all kinds of substrates. The fine gap adjustment, manually or automatically operated, permits application of coating weights between 20 and 120 g/m².

Adjustable PTFE shields mounted on both sides of the roller coater limit the coating width per production run guarantee a clean production method and optimal glue treatment, without any waste of material. Both coating and doctor roll are Plasma or Chem-Coated, depending of type (PUR) hot melt used. This allows very easy cleaning the machine within very little time due to the excellent release even with reactive PUR glues. Units exist for Top, Bottom, and Top & Bottom coating.

A level sensor in the (PUR) hot melt section measures the real glue temperature, monitors the amount of glue and triggers the automatic filling when "Low Level" is detected. The filling device can be an InduTech hot melt system or drum unloader in case of PUR.

Features & Benefits

- Full Substrate coating, edge-to-edge regardless substrate form or cut-outs.
- Small volume of hot melt between plasma coated rolls, allows easy cleaning, quick change of glue, and makes the system suitable for heat sensitive and reactive glue types such as PUR hot melts.
- Individual roll temperature combined with precise gap adjustments allow accurate and optimal processing of the adhesive.
- Flexible adjustment of the coating width through PTFE shields matches gluing width to substrate width.
- Accurate height and compression force for adjustable coating surface characteristics
- Siemens S7-300 CPU, Lenze (servo-)drives, quality and precision in each detail makes this roll coater a reliable production machine.



Technical Characteristics

Hot Melt Roll Coater, Model WLA		B 400 - 1500 mm	C 1600 - 1900 mm	D 2000 - 2900 mm	BU 400 - -1500 mm	CU 1600 - 1900 mm	DU 2000 - 2900 mm	BX 400 - 1500 mm	CX 1600 - 1900 mm
Coating application		Top	Top	Top	Bottom	Bottom	Bottom	Top + Bott.	Top + Bott.
Line speed	m/min	≤ 20	≤ 20	≤ 20	≤ 20	≤ 20	≤ 20	≤ 20	≤ 20
Adhesive Coating Weight	gr/m ²	20~120	20~120	20~120	20~120	20~120	20~120	20~120	20~120
Coating Weight Adjustment		Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Temperature Range	°C	80~200	80~200	80~200	80~200	80~200	80~200	80~200	80~200
Diameter Coating Roll 1	mm	160	210	295	210	210	300	210	210
Diameter Nipp Rol 1	mm	160	210	295	160	160	210	210	210
Diam. Support- / Coating Roll 2	mm	300	350	350	---	---	---	350	350
Material Height (*standard)	mm	≤ 80	≤ 100	≤ 100	---	---	---	≤ 80	≤ 100
Height Adjustment (*standard)		Manual	Autom.	Autom.	---	---	---	Manual	Autom.
Power	kW	4.0~8.0	8.0~9.5	10.0~15.0	4.0~8.0	8.0~9.5	10.0~15.0	4.0~8.0	8.0~9.5
Width	mm	750+AW	1000+AW	1000+AW	750+AW	1000+AW	1000+AW	750+AW	1000+AW
Length	mm	850	1.000	1.000	850	1.000	1.000	850	1.000
Height	mm	1.800	2.000	2.000	~1.000	~1.000	~1.000	1.800	2.000

(AW = Application Width)



Options & Accessories

- Automatic coating weight adjustment
- Additional material height of 100mm
- Warning Light tower
- WLA on heavy duty wheels & lift-fix
- WLA on heavy duty wheels & rails, 5 m.
- In-feed rolls and/or out-feed rolls, plasma coated
- 10" color touch screen

Peripheral Equipment

- Pre-melters : tank units, drum melters, extruders, ...
- Calendering stations
- Brushing stations
- Laminating index stations
- Unwinding & winding stations
- Pre-heating modules, UV-curing station
- Complete assembly line automations

Notes : (*) Figures are dependant on the glue type and viscosity used.