

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

## WLA Series Roller Coaters for Hot Melt and PUR



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.

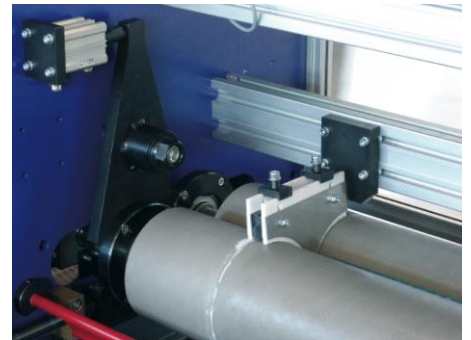
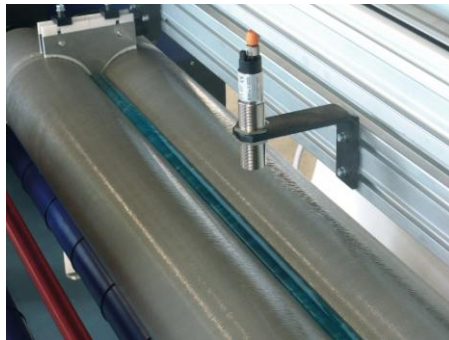
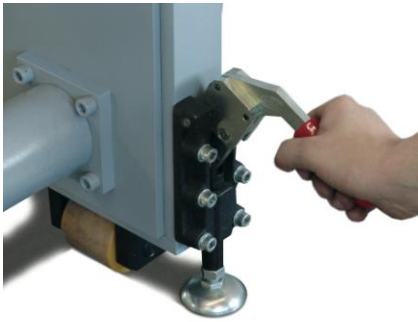
Roller coaters are typically used for continuous web coating or separate edge-to-edge coating of individual parts such as multi-layer insulation panels, automotive parts, foam assemblies, etc...

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/m<sup>2</sup>.

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

- Two section "Top & Bottom" version available;
- Fast change of type of (PUR) hotmelts;
- Flexible adjustment of coating weight;
- Coating width adjustable by PTFE shields;
- User friendly in production and maintenance ;
- Individual temperature settings for coating and doctor rolls;
- Plasma coated allow fast and easy cleaning of the machine;
- Step-less manual or automatic gap adjustment for very fine and smooth coating patterns;
- Continuously monitoring "Low Level Sensor" in the (PUR) hotmelt section for automatic filling.
- Casters for roll-in-roll-out of the roller coater in the production line.

## Options & Accessories

- Large Touch Screen panel screen
- Ethernet interface enables process recording and transmission of data;
- Exhaust hood above roller coater;
- Conveyor belt to feed panels into roller coater;
- Unwind sections for rolls of textile, foil and paper;
- Rewind section for Textile, foil and paper;
- Automatically gap adjustments;
- Index stations for fine positioning
- Different versions tailored to application parameters



## Technical Characteristics

- Heating : electrical + oil circuit
- Temperature : 80 – 200 °C
- Power : max. 15 kWatt
- Voltage : 3 x 400 Vac, N, PE, 50 Hz
- Material thickness : < 80mm for widths up to 1500  
: < 100mm for widths >1500mm
- Coating volume : 20 – 120 g/m<sup>2</sup>;
- Coating width : up to 3.000 mm;
- Coating speed : 1 – 20 m/min;
- Rpm regulation : Frequency controlled
- PLC : Siemens 314
- Touch Screen : Siemens TP A170

Notes : <sup>(1)</sup> Figures are dependant on the glue type and viscosity used.