

# ASSY LINE

gear pump adhesive melting system

The Assy Line Hot-melt Glue Systems have been designed to melt and distribute with precision a high quantity of thermoplastic adhesive. Easy to use, with a modular structure and is designed in order to optimize the productive cycles and reduce the costs. Sturdy and flexible, the system offers an extreme accessibility to all primary components, making easier and faster ordinary operations of maintenance. Thanks to their features, they can be easily installed on any production line.



Gear Pump



Gears pumps (available with different capacities) enable a regular application, without any variation of capacity during the adhesive's application, maintaining therefore the adhesive's basis weight even when the speed of the product is variable. A high flow stainless steel filter is fitted on every pump output to block entirely all impurities, which could be present inside the adhesive, preventing the heated glue hoses and the nozzles from undesired obstructions. The level of the adhesive in the tank is controlled by an adhesive reading sensor installed inside the melting tank. Equipped with AC Motor, Pressure Control Valve, High Flow Stainless Steel Filter, Adhesive Level Sensor, Touch Screen, Operator Panel, Gear Pump.

Technical details	Assy 24	Assy 60	Assy 100	Assy 150	Assy 300
Glue tank capacity	24 liters	60 liters	100 liters	150 liters	300 liters
Tank Opening	170x370	320x320	420x420	420x420	840x840
Melting Rate *	12 Kg/h	40-50 Kg/h	70-80 Kg/h	120-140 Kg/h	280 Kg/h
Number of gears pumps	1 or 2	1 or 2	1 or 2	1 or 2	1/2/4
Gears pump capacity	from 4 to 144 Kg/h				
Distribution pressure	Max 80 bar				
Viscosity	100 - 80.000 mPas				
Motor/s	Motor/s AC/400V				
Motor power **	From 0,37 to 0,55 Kw				
External heated zones	Max 12 (6 hoses / 6 applicator heads)				Max 16
Operating temperature	20 - 210° C, tolerance +/- 0,5° C				
Electrical connections	400 Volt, 3 LNPE, 50/60 Hz				
Power ***	10-20 kWatt	15-30 kWatt	15-30 kWatt	15-30 kWatt	30-60 kWatt
Dimensions (Length x Width x Height)	900x610x856	1135x610x880	1130x610x1430	1190x610x1430	1190x1220x1430
Weight	200 kg	250 kg	270 kg	310 kg	700 kg

\* The adhesive type influences the melting rate.

\*\* It changes in relation to the type of pump fitted.

\*\*\* It changes in relation to the number of hoses and applicator heads connected.