

# Dynamelt™ PUR

DYNAMELT™ PUR BAG MELTER OFFERS THE MOST INNOVATIVE, PRECISE, MODULAR DESIGN TO ENSURE A SUCCESSFUL PUR APPLICATION. THE PUR BAG MELTER IS A CLOSED SYSTEM THEREFORE THE PUR ADHESIVE IS NOT EXPOSED TO ANY HUMIDITY AND CROSS-LINKING IN SYSTEM WILL BE AVOIDED. A KEY ADVANTAGE IS THAT ONLY THE AMOUNT OF ADHESIVE IS GOING TO BE MOLTEN THAT IS ACTUALLY REQUIRED BY THE APPLICATION. THUS THE THERMAL LOAD ON THE ADHESIVE IS VERY LOW AND ITS VISCOSITY REMAINS CONSTANT.

## **SIMPLICITY**

Touchscreen-Interface is user-friendly and easy to operate.

## **FLEXIBILITY**

Configurations include single or dual drive motor with one or two stream metered outputs.

## **RELIABILITY**

Integrated adhesive reservoir eliminates the need to shut down the system when changing bags.



## DYNAMELT™ PUR SERIES ADHESIVE SUPPLY UNIT

The Dynamelt PUR Series bag melter is designed to meet the unique needs for the melting and delivery of PUR hot melt adhesives. Models are available to provide gentle melting of PUR's packaged in either 2 kg or 18 kg metalized bags. Escape of harmful gases into the atmosphere and intrusion of moisture into the adhesive is prevented using a patented, air-tight sealing ring at the bottom of the feed tube. This patented sealing design allows units using a typical PUR to be de-energized and left unattended for several days with no need to purge, provided the exposed application orifices are properly sealed. The Dynamelt PUR's circulating design keeps adhesive in a constant state of motion – the constant circulation prevents cracking and coking of the adhesive.

### FEATURES

- The PUR hot melt does not require unpacking; the bag is cut circular on the bottom side and the adhesive is simply melted out of its foiled packaging.
- Designed to allow gentle melting directly from a bag without need for a protective inert gas blanket or moisture extraction methods.
- Precision gear pumps can accommodate a wide variety of adhesives and viscosities.
- Clean operation with virtually no adhesive residue waste.
- Circulating design reduces adhesive degradation.
- PUR adhesive level sensor with low level alarm.



The bag content is completely molten. No loss of adhesive!

### TECHNICAL DATA

System	PUR-2	PUR-20	PUR-20D	PUR-20 AUTO
<b>Hopper Capacity / Bag Size</b>	0.5kg (1.1 lbs) / 2 kg (4.4lbs)	10kg (22 lbs) / 18kg (40.7 lbs)	10kg (22 lbs) / 18kg (40.7 lbs)	1 kg (2.2 lbs) / 18kg (40.7 lbs)
<b>Guding tube diameter</b>	127mm	EU: 282 mm US / Japan: 288 mm	EU: 282 mm US / Japan: 288 mm	EU: 282 mm US / Japan: 288 mm
<b>Operating temperature max.</b>	190°C (374°F)			
<b>Viscosity range</b>	500 to 50,000 cps			
<b>Melt rate</b>	6kg/h (13lb/h)*	25kg/hr (55lb/h)*	25kg/hr (55lb/h)*	25kg/hr (55lb/h)*
<b>Gear pump sizes</b>	0.6 to 20 ccm/rev	0.6 to 20 ccm/rev	0.6 to 20 ccm/rev	1.2 to 20 ccm/rev
<b>Number of gear pump per unit</b>	1 single or 1 dual pump	2 single pumps	1 dual pump with 1 single pump, or 1 or 2 dual pumps	1 single pump
<b>Max. working hydraulic pressure</b>	85 bar (1233 PSI)			
<b>Supply voltage</b>	230VAC 3ph 50/60Hz 400VAC 3ph Y 50/60Hz			
<b>Height</b>	125.4 cm (49.4 in)	152 cm (60 in)	152 cm (60 in)	152 cm (60 in)
<b>Depth</b>	97.5 cm (38.4 in)	105 cm (41.3 in)	105 cm (41.3 in)	105 cm (41.3 in)
<b>Width</b>	42 cm (16.5 in)	64 cm (25.2 in)	79 cm (31.1 in)	64 cm (25.2 in)

\* Melt rates vary with adhesive type

### LOCATIONS

**Americas**  
ITW Dynatec  
31 Volunteers Drive  
Hendersonville, TN 37075  
USA  
Phone: +1.615.824.3634  
info@itwdynatec.com  
www.itwdynatec.com

**China**  
ITW Dynatec Suzhou  
No. 2, Anzhi Street,  
SIP, Suzhou, 215122 China  
Phone +86.512.6289.0620  
Fax +86.512.6289.0621  
info@itwdynatec.cn  
www.itwdynatec.cn

**Japan**  
ITW Dynatec K.K  
Flos Kamata  
26-11, Nishikamata 7-chome  
Ota-ku, Tokyo 144-0051, Japan  
Phone: +81.3.5703.5501  
Fax: +81.3.5703.5505  
info@itwdynatec.co.jp  
www.jp.itwdynatec.com

**Europe, Middle East  
and Africa**  
ITW Dynatec GmbH  
Industriestraße 28  
40822 Mettmann, Germany  
Phone: +49.2104.915.0  
Fax: +49.2104.915.111  
info@itwdynatec.de  
www.itwdynatec.de

