

# Dynamelt™ M

DYNAMELT™ M OFFERS THE HIGHEST ACCURACY AND FLEXIBILITY FOR A WIDE RANGE OF DIFFERENT APPLICATIONS, LIKE THOSE IN THE AUTOMOTIVE, DISPOSABLE HYGIENE PRODUCT, TAPE AND LABEL AND FILTER INDUSTRY.

## PRECISION

Up to eight precision gear pumps per unit achieve  $\pm 2\%$  output accuracy in either single or dual output design.

## MODULAR DESIGN

Additional melt grids, gear pumps, and hoppers can be added to meet application needs.

## INNOVATION

Patented melt grids pre-melt the adhesive, gradually increasing the temperature to prevent adhesive degradation and energy loss.



## DYNAMELT™ M ADHESIVE SUPPLY UNIT

The Dynamelt™ M hot melt adhesive supply units are PLC-based and provide accurate, proportionate temperature control for the hopper, hoses and applicators. The M Series units are available in three cabinet sizes and offer four hopper sizes. Temperature set points are operator-selected for all zones. Melt-on-Demand: ITW Dynatec's patented vertical, unheated hoppers only melt the amount of adhesive required by the application. Most of the adhesive in the hopper remains at a much lower temperature, even in a solid state. Melting only the amount of adhesive required means faster start-ups, lower energy costs, better viscosity control, and reduced fumes.

### FEATURES

- Melts only the adhesive demanded for the application.
- Four hopper sizes available in single configurations, dual hoppers available in M70 and M210.
- Additional melt grids can be added to meet additional adhesive volume requirements.
- Durable precision gear pumps.

### OPTIONS

- Multi-lingual display capabilities.
- Available PLC systems include DynaControl™, Allen Bradley, Siemens, etc.

### TECHNICAL DATA

System	M35	M70	M140	M210
<b>Hopper Capacity *</b>	35 kg (75 lbs)	70 kg (155 lbs)	140 kg (310 lbs)	210 kg (460 lbs)
<b>Operating temperature range</b>	40° to 232°C (100° to 450°F)			
<b>Viscosity range</b>	500 to 50,000 cps			
<b>Melt rate **</b>	18-65 kg/hr (40-143 lb/hr)	27-95 kg/hr (59-209 lb/hr)	34-115 kg/hr (75-253 lb/hr)	45-145 kg/hr (99-319 lb/hr)
<b>Gear pump sizes</b>	0.15 - 45 ccm/rev			
<b>Number of gear pump per unit</b>	1-2	1-4	1-4	1-6
<b>Hose/Head output zones</b>	1-4	1-8	1-8	1-12
<b>Aux output zones</b>	1-4	1-8	1-8	1-12
<b>Max. working hydr. pressure</b>	69 bar (1,000 psi)			
<b>Supply voltage setup 1</b>	200-240 VAC 3Ph 50/60 Hz			
<b>Supply voltage setup 2</b>	380 VAC 3Ph Y 50/60 Hz			
<b>Total Amp draw</b>	50A, 240V, 3Ph	100A, 240V, 3Ph	100A, 240V, 3Ph	150A, 240V, 3Ph
<b>Height</b>	1,350 mm (53 in)	1,680 mm (66 in)	1,680 mm (66 in)	1,680 mm (66 in)
<b>Depth</b>	880 mm (34.6 in)	1,300 mm (51.2 in)	1,300 mm (51.2 in)	1,300 mm (51.2 in)
<b>Width</b>	600 mm (23.5 in)	850 mm (33.5 in)	850 mm (33.5 in)	1,180 mm (46.5 in)

\* No optional grid mounted, \*\* Melt rates vary with adhesive type

### LOCATIONS

**Americas**  
ITW Dynatec  
31 Volunteers Drive  
Hendersonville, TN 37075  
Phone: +1.615.824.3634  
Fax: +1.615.264.5248  
info@itwdynatec.com  
www.itwdynatec.com

**China**  
ITW Dynatec Suzhou  
Unit 2, B1 Building  
No. 9 Weixin Road  
SIP, Suzhou, China 215122  
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

**France**  
ITW Dynatec Tenplus  
ZI Croix de Raville  
28500 Chérisy, France  
Phone: +33.237.6256.47  
Fax: +33.237.6256.40  
info@itwdynatec.fr  
www.itwdynatec.fr



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