

# Dynamelt™ M

DYNAMELT™ M OFFERS HIGHEST ACCURACY AND FLEXIBILITY FOR A WIDE RANGE OF DIFFERENT APPLICATIONS LIKE 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 and dual configurations
- 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. (DynaControl™ not available on M280)

### TECHNICAL DATA

System	M35	M70	M140	M210	M280
Hopper Capacity *	35 kg (75 lbs)	70 kg (155 lbs)	140 kg (310 lbs)	210 kg (460 lbs)	280 kg (574 lbs)
Operating temperature range	40° to 232°C (100° to 450°F)				
Viscosity range	500 to 50,000 cps				
Melt rate **	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)	45-145 kg/hr (99-319 lb/hr)
Gear pump sizes	0.15 - 45 ccm/rev				
Number of gear pump per unit	1-2	1-4	1-4	1-8	1-8
Hose/Head output zones	1-4	1-8	1-8	1-12	1-18
Aux output zones	1-4	1-8	1-8	1-12	1-18
Max. working hydr. pressure	69 bar (1,000psi)				
Supply voltage setup 1	200-240 VAC 3Ph 50/60Hz				
Supply voltage setup 2	380 VAC 3Ph Y 50/60Hz				
Total Amp draw	50A, 240V, 3Ph	100A, 240V, 3Ph	100A, 240V, 3Ph	150A, 240V, 3Ph	200A, 240V, 3Ph
Height [mm]	1350mm (53in)	1680mm (66in)	1680mm (66in)	1680mm (66in)	1980mm (78in)
Depth [mm]	880mm (34.6in)	1300mm (51.2in)	1300mm (51.2in)	1300mm (51.2in)	1560mm (61.3in)
Width [mm]	600mm (23.5in)	850mm (33.5in)	850mm (33.5in)	1180mm (46.5in)	1870mm (73.7in)

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

### LOCATIONS

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