

# Dynamelt™ M Series - Adhesive Supply Unit

The Dynamelt™ M Series 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.

**DYNAMELT™ M Series:**

- Up to 4 separate adjustable melting stages.
- Melts only the adhesive demanded for the application, virtually eliminating char.
- 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.

### Precision

Up to 8 precision gear pumps per unit achieve ± 2% output accuracy in either single or dual output design.

### Modular Design

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

### Innovation

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

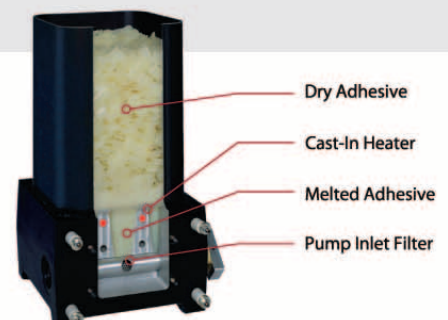


Shown - ITW Dynatec Dynamelt™ M140 and melt grid

## The Dynatec Difference...

### Melt-on-Demand Hopper

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, perhaps even solid state. The added benefits of melting only the adhesive required are faster start-ups, lower energy costs, better viscosity control, and reduced fumes.

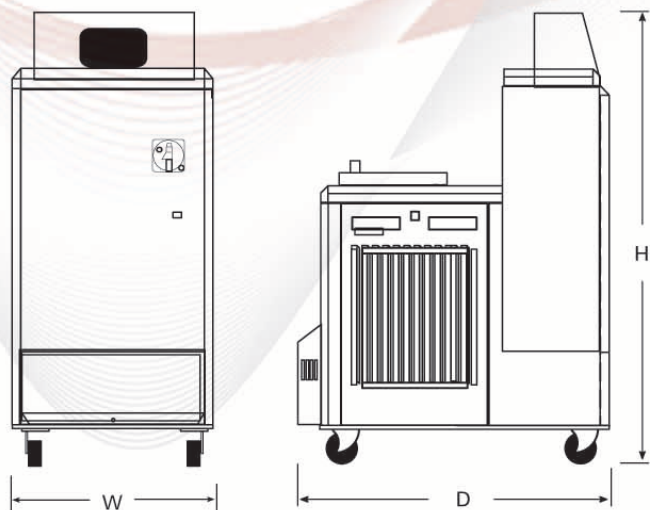


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System	M35	M70	M140	M210 / M280
Hopper Capacity	35kg (75lbs)	70kg (155lbs)	140kg (310lbs)	210kg (460lbs) / 280kg (574lbs)
Operating Temperature	40 to 232°C (100 to 450°F)	40 to 232°C (100 to 450°F)	40 to 232°C (100 to 450°F)	40 to 232°C (100 to 450°F)
Melt Rate (per hour)*	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)
Gear Pumps Standard†	.15 - 45 cc/rev	.15 - 45 cc/rev	.15 - 45 cc/rev	.15 - 45 cc/rev
Number of Gear Pumps per Unit	1-2	1-4	1-4	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 Hydraulic Pressure	69 BAR (1,000psi)	69 BAR (1,000psi)	69 BAR (1,000psi)	69 BAR (1,000psi)
Temperature Control Stability	± 1°C (1°F)	± 1°C (1°F)	± 1°C (1°F)	± 1°C (1°F)
Electrical Service Standard	200-240 VAC 3 Phase 50/60 Hz	200-240 VAC 3 Phase 50/60 Hz	200-240 VAC 3 Phase 50/60 Hz	200-240 VAC 3 Phase 50/60 Hz
Electrical Service Standard	380 VAC 3 Phase Y 50/60 Hz	380 VAC 3 Phase Y 50/60 Hz	380 VAC 3 Phase Y 50/60 Hz	380 VAC 3 Phase Y 50/60 Hz
Total Amp Draw	50 Amp, 240 VAC, 3 Phase	100 Amp, 240 VAC, 3 Phase	100 Amp, 240 VAC, 3 Phase	150/200 Amp, 240 VAC, 3 Phase
Working Viscosity	500 - 50,000 cps	500 - 50,000 cps	500 - 50,000 cps	500 - 50,000 cps

\*Melt rates vary with adhesive type.

Dimensions	M35	M70	M140	M210	M280
Height (H)	135cm (53in)	168cm (66in)	168cm (66in)	168cm (66in)	198cm (78in)
Depth (D)	87.8cm (34.6in)	130cm (51.2in)	130cm (51.2in)	130cm (51.2in)	156cm (61.3in)
Width (W)	60cm (23.5in)	85cm (33.5in)	85cm (33.5in)	118cm (46.5in)	187cm (73.7in)



## Available Features/Options

- Digital RPM readout
- Multi-lingual display capabilities
- Programmable sequential heat zone startup
- Programmable temperature setback
- High/low alarm for each zone
- Separate pump/motor speed control
- Available PLC systems include DynaControl™, Allen Bradley, Seimens, other (Dynacontrol™ not available on M280)
- Dual hopper configurations available (excludes M35)
- Pressure transducers to monitor pressure
- Automatic level controls

**ITW Dynatec**

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