

# Dynamelt™ D Series - Adhesive Supply Unit

Dynamelt D Series is available in four hopper sizes and with a choice of dual or single gear pumps. The ASU uses a microprocessor temperature control to closely control the temperature of hot melt adhesive for up to eight hose standard and precision metered outputs.

## Dynamelt™ D Series:

- Up to four drives/four gear pumps permit up to eight metered outputs.
- Standard or precision metered outputs available.
- User friendly push icon-driven controls with multi-lingual display.
- Dynacontrol™ P.I. digital temperature controller with platinum sensor accuracy.
- Ten combinations of hopper sizes and melt rate selections.

### Simplicity

Icon-driven control panel simplifies operations.

### Flexibility

Can accommodate up to four standard hoses/heads.

### Reliability

Melt-On-Demand hopper extends adhesive life and performance.



ITW Dynatec - Dynamelt™ D25

## The Dynatec Difference...

### Melt-on-Demand Hopper

Most suppliers will agree that adhesive degradation is the number one cause of downtime on hot melt equipment. To address this problem, ITW Dynatec has patented a "Melt-On-Demand" system. ITW Dynatec's vertical, unheated hoppers only melt the amount of adhesive required by the application. Most of the hot melt adhesive in the hopper remains at a

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

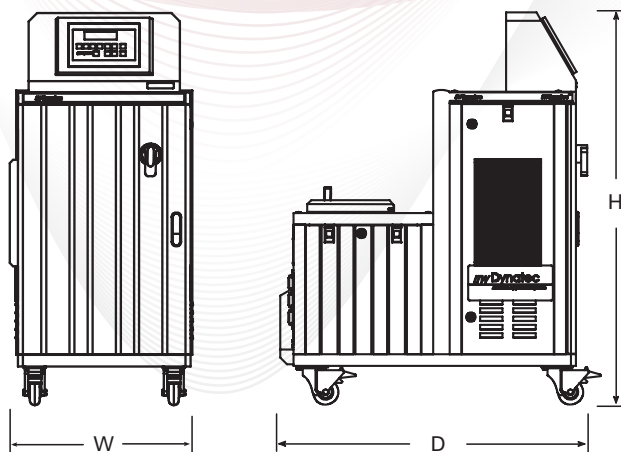
# Dynamelt™ D Series- Adhesive Supply Unit

System	D25	D45	D50	D90
Hopper Capacity	25kg (55lbs)	45kg (100lbs)	50kg (110lbs)	90kg (200lbs)
Operating Temperature	38 to 218°C (100 to 425°F)	38 to 218°C (100 to 425°F)	38 to 218°C (100 to 425°F)	38 to 218°C (100 to 425°F)
Melt Rate (per hour)*	23 kg/hr (50 lbs/hr)	23 kg/hr (50 lbs/hr)	46 kg/hr (100 lbs/hr)	46 kg/hr (100 lbs/hr)
Melt Rate (per hour)* - W/ Optional Grid	41 kg/hr (90 lbs/hr)	41 kg/hr (90 lbs/hr)	82 kg/hr (180 lbs/hr)	82 kg/hr (180 lbs/hr)
Melt Rate (per hour) - 2 Optional Grids	N/A	59 kg/hr (130 lbs/hr)	N/A	118 kg/hr (260 lbs/hr)
Pump Rate (4.5cc gear)	.38kg (.83lb) min	.38kg (.83lb) min	.38kg (.83lb) min	.38kg (.83lb) min
Gear Pumps Standard	1.5, 3.2, 4.5 cc/rev	1.5, 3.2, 4.5 cc/rev	1.5, 3.2, 4.5 cc/rev	1.5, 3.2, 4.5 cc/rev
Gear Pumps / Drives	1-2	1-2	1-4	1-4
Hose Output Zones**	2-6	2-6	2-8	2-8
Maximum Working Hydraulic Pressure	68 bar (1000psi)	68 bar (1000psi)	68 bar (1000psi)	68 bar (1000psi)
Temperature Control Stability	± 1°C	± 1°C	± 1°C	± 1°C
Electrical Service Standard	200 to 240 VAC 3Ph □ 50/60Hz	200 to 240 VAC 3Ph □ 50/60Hz	200 to 240 VAC 3Ph □ 50/60Hz	200 to 240 VAC 3Ph □ 50/60Hz
Electrical Service Standard	380 to 400 VAC 3Ph Y 50/60Hz	380 to 400 VAC 3Ph Y 50/60Hz	380 to 400 VAC 3Ph Y 50/60Hz	380 to 400 VAC 3Ph Y 50/60Hz
Operator Interface	Icon-based Keypad	Icon-based Keypad	Keypad w/ LCD	Keypad w/ LCD
Maximum Wattage	24,200 W	26,700 W	48,400 W	53,400 W
Working Viscosity	1,000 to 50,000 cps	1,000 to 50,000 cps	1,000 to 50,000 cps	1,000 to 50,000 cps
Working Viscosity (reduced melt-rate)	50,000 to 100,000 cps	50,000 to 100,000 cps	50,000 to 100,000 cps	50,000 to 100,000 cps

\*Melt rates vary with adhesive type. 200/240 VAC, 50-60 Hz, 3-phase delta nominal or 400 VAC, 50-60 Hz, 3-phase wye nominal.

\*\*Four hose/head zones with four auxiliary zones, or six hose/head zones without auxiliary zones. D50/90 units have eight hose/head zones with eight auxiliary zones.

Dimensions	D25	D45	D50	D90
Height (H)	133cm (52.4in)	133cm (52.4in)	133cm (52.4in)	133cm (52.4in)
Depth (D)	97.5cm (38in)	97.5cm (38in)	97.5cm (38in)	97.5cm (38in)
Width (W)	52cm (20.5in)	52cm (20.5in)	104cm (41in)	104cm (41in)



## Optional Accessories

- High accuracy gear pumps
- Adhesive low level indicator
- Digital RPM readouts
- KBSI signal isolator
- Ethernet communications
- Analog or digital adhesive pressure indicator
- Pendant control



**ITW Dynatec**

© 12/2008 ITW Dynatec

ITW Dynatec reserves the right to discontinue or change specifications, designs, materials and equipment without notice or obligation.

### ASIA

ITW Dynatec Suzhou  
Unit2, B1 Building  
No.9 Weixin Road  
SIP, Suzhou, China 215122  
Telephone +86.512.6289.0620  
Fax +86.512.6289.0621  
dynatecsuzhou@itwdynatec.cn

### AMERICAS

ITW Dynatec  
31 Volunteer Drive  
Hendersonville, TN 37075  
Telephone 615•824•3634  
+1.800.860.6150  
Fax +1.615.264.5248  
dynatec@itwdynatec.com

### JAPAN

ITW Dynatec K.K.  
Tsukimura Building 5th Floor  
26-11, Nishikamata 7-chome  
Ota-ku, Tokyo 144-0051, Japan  
Telephone +81.3.5703.5501  
Fax +81.3.5703.5505  
info@itwdynatec.co.jp

### EUROPE, AFRICA and MIDDLE EAST

ITW Dynatec GmbH  
Industriestrasse 28  
D-40822 Mettmann, Germany  
Telephone +49.210.4915.0  
Fax +49.210.491.5111  
e.mail@itwdynatec.de

Visit us at [www.itwdynatec.com](http://www.itwdynatec.com)