

ProBlue Liberty™

Integrated Tankless Melter and Fill System

ProBlue Liberty tankless system adds and melts only the adhesive you need, when you need it.



Integrated tankless melter and fill system maintains consistent adhesive levels, increasing uptime while delivering energy and maintenance savings that result in increased operating efficiency and lower per-package costs.

A sensor monitors molten adhesive levels in the hopper and alerts the system when adhesive is needed. The closed system helps maintain adhesive bond strength by minimizing degradation that comes from prolonged thermal exposure, temperature variation and exposure to contaminants.

Features

- Hopper lid allows for easy access and sealed design maintains adhesive purity by protecting from plant debris
- Disposable hydraulic filter is easy to reach and eliminates the need for routine filter flushing
- Automatic pressure discharge valve relieves pressure into melter in seconds
- Quick-disconnect power and I/O plugs combined with a patented, quick-release base design help simplify set up

- Service, maintenance and daily operation can be performed from one side of the melter
- Plug-in modules increase uptime by allowing quick addition and removal of hoses and applicators

Benefits

- Improves product quality and bond strength by maintaining consistent adhesive temperature, purity and bead volume
- Increases efficiency and safety
- Increases uptime with quick and easy maintenance provided by one-sided access to board fuses, quick-disconnect electrical replacement elements and front access to filter, pump and controls
- Increases plant operating efficiency by lengthening maintenance cycle and parts life while reducing machine jamming from pop-opens



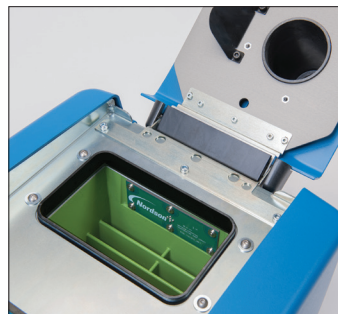
Specifications

Maximum melter set point	204°C (400°F)
Adhesive Forms	Pellets Pastilles: up to 12 mm (0.472 in. diameter) Mini-slats: up to 12 mm x 12 mm (0.472 x 0.472 in.)
Adhesive Storage Container	See Adhesive Storage Container Data Sheet
Type of System	Non-circulating grid/hopper (15:1 SP-style piston pump)
Maximum Pump Rate	32.7 kg/hr (72 lb/hr)
Maximum Working Hydraulic Pressure	10.3 MPa (1500 psi)
Temperature Range	40°C to 204°C (100°F to 400°F)
Ambient Temperature Range	0 to 40°C (32°F to 100°F)
Temp. Control Stability	±0.5°C (1°F)
Input/Output Capability Standard	4 inputs & 3 outputs - come as standard; 10 inputs and 7 outputs - with optional expansion board; Ethernet IP & Fieldbus optional

	Liberty 7	Liberty 14
Hose Ports	5	9
Electrical Service Standard	200 to 240 VAC 1 or 3 phase 50/60 Hz	200 to 240 VAC 1 or 3 phase 50/60 Hz
w/Optional Transformer	400/230 VAC 1 or 3 phase N/PE 50/60 Hz	400/230 VAC 1 or 3 phase N/PE 50/60 Hz
Holding Capacity	400 or 480 VAC Delta 3 phase 50/60 Hz	400 or 480 VAC Delta 3 phase 50/60 Hz
Melt Rate (per hour)	1.7 kg (3.7 lb)	1.7 kg (3.7 lb)
Throughput (per hour)	7 kg (15 lb)	14 kg (30 lb)
Max. Hose/Applicator Power Capacity	7 kg (15 lb)	14 kg (30 lb)
2 hoses/applicators	2000 watts	2000 watts
4 hoses/applicators	4000 watts	4000 watts
6 hoses/applicators	N/A	6000 watts
<i>*2000 W per 2 hose & 2 applicator pair; 1200 W per hose & applicator pair and 1000 W per channel</i>		
Unit Dimensions (WxHxD)	539.1 x 485.9 x 371.9 mm (21.22 x 19.13 x 14.64 in)	606.7 x 571.5 x 390.6 mm (23.89 x 22.50 x 15.38 in)



Adhesive inlet tube and air filter



Hopper is easily accessible



Adhesive transfer hoses available in a variety of lengths

For more information, speak with your Nordson representative or contact your Nordson regional office.

United States

Duluth, Georgia
(800)234-0506 Phone
(866) 667-3329 Fax

Canada

Markham, Ontario
(800) 463-3200 Phone
(905) 475-8821 Fax

Europe

Erkrath, Germany
(49) 211-9205-0 Phone
(49) 211-254658 Fax

Japan

Tokyo, Japan
(81) 3-5762-2700 Phone
(81) 3-5762-2701 Fax

Asia/Australia/

Latin America

Amherst, Ohio
(440) 985-4797 Phone
(440) 985-1096 Fax

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Nordson Corporation
11475 Lakefield Drive
Duluth, GA 30097-1511

(800) 683-2314
nordson.com/hotmelt

