

SureFoam™ Dispensing System



Hot melt adhesive foaming system improves material usage and production efficiency.



The Nordson® SureFoam dispensing system mixes reactive and non-reactive hot melt adhesive with inert gas to create a homogenous mixture. As the material is dispensed the gas expands to create a closed-cell foam. The foamed material can be applied in swirl or bead patterns using Nordson dispensing handguns. SureFoam foaming systems are ideal for a wide variety of adhesive applications including packaging and assembly, such as cabinets and automotive.

Manual Density Control

Single adjustment density controls allow for easy setup of the foam process. Applications requiring up to 50% density reduction can be easily and quickly adjusted.

Simple Interface

The design utilizes an input signal from the applicator to trigger the mixing process. The melter provides precise, controlled heating and functional interlock.

User Friendly Design

Easy to maintain and service with minimal service items and few moving parts.

Although applied by conventional means, the foamed material provides numerous benefits including:

- Reduce adhesive consumption up to 50%, depending on adhesive.
- Longer open time increases work time and provides greater flexibility.
- Reduced sagging or running for uniform adhesive thickness.
- Faster set time increases line speeds and production rates. Labor is reduced and less warehouse space is required for inventory.
- Volumetric increase improves gap filling capability for improved bond strength.
- Improved wetting increases the ability to penetrate impervious surfaces.
- Increased penetration creates stronger bonds and results in fewer rejects.
- Lower heat density reduces heat damage and improves operator safety.

SureFoam™ Dispensing Systems

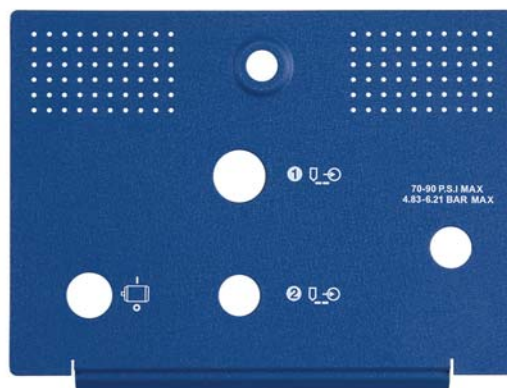
Technical Specifications

Holding Capacity	N/A
Melt Rate	N/A
Delivery Rate¹	35 kg/hr (77 lb/hr)
Density Reduction¹	≤ 50%
Viscosity Range²	1000-30000 cps
Gas Supply	Industrial Grade Nitrogen 1500 psi minimum
Air Supply	Clean dry compressed air, 6 bar (90 psi) max
Temperature Range	38° - 232° C (100° - 450° F)
Hose/Gun Capacity	Single
Electrical Service	
Heaters:	240 Volt Single Phase 50/60 Hz, 700 Watts (supplied by melter)
Motor/Controls:	120 Volt or 240 Volt Single Phase, 90 Watts
Dimensions (LxWxH)	349 mm x 260 mm x 476 mm (13.75 in x 10.25 in x 18.75 in)
Weight (empty)	24 kg (53 lbs)

Notes:

¹ Actual rates can vary depending on adhesive viscosity and other characteristics.

² Depends on required delivery rates and desired foam density.



Typical Cart-mounted System



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

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