

# 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

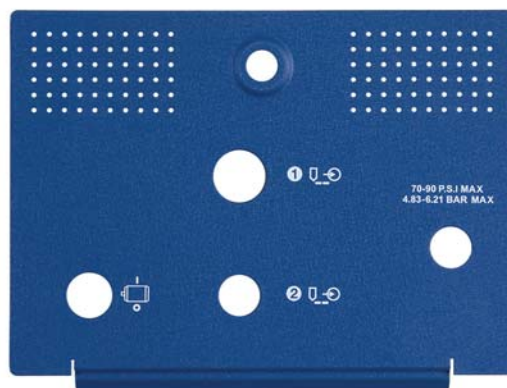
## Technical Specifications

<b>Holding Capacity</b>	N/A
<b>Melt Rate</b>	N/A
<b>Delivery Rate<sup>1</sup></b>	35 kg/hr (77 lb/hr)
<b>Density Reduction<sup>1</sup></b>	≤ 50%
<b>Viscosity Range<sup>2</sup></b>	1000-30000 cps
<b>Gas Supply</b>	Industrial Grade Nitrogen 1500 psi minimum
<b>Air Supply</b>	Clean dry compressed air, 6 bar (90 psi) max
<b>Temperature Range</b>	38° - 232° C (100° - 450° F)
<b>Hose/Gun Capacity</b>	Single
<b>Electrical Service</b>	
<b>Heaters:</b>	240 Volt Single Phase 50/60 Hz, 700 Watts (supplied by melter)
<b>Motor/Controls:</b>	120 Volt or 240 Volt Single Phase, 90 Watts
<b>Dimensions (LxWxH)</b>	349 mm x 260 mm x 476 mm (13.75 in x 10.25 in x 18.75 in)
<b>Weight (empty)</b>	24 kg (53 lbs)

### Notes:

<sup>1</sup> Actual rates can vary depending on adhesive viscosity and other characteristics.

<sup>2</sup> Depends on required delivery rates and desired foam density.



Typical Cart-mounted System



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

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