

Get More From Your Adhesive With Foaming Technology...

Make Adhesive Go Further And Improve Your Productivity

- Use up to 50% less adhesive
- Extend adhesive open time
- Reduce adhesive bead sagging or running

To remain competitive, you need to make the most efficient use of all aspects of mattress manufacturing: materials, equipment and labor. Producing a foamed adhesive can help improve efficiency in at least two key areas of adhesive application:

- Pocket coil assembly
- Upholstery layer/pillow top attachment

Nordson foaming technology uses a patented process that combines inert gas with hot melt adhesive to create a closed-cell foam when dispensed. The gas can replace up to 50% of adhesive by volume while improving material properties.

Foam produces either twice the volume but the same weight or the same volume at up to half the weight of solid material.

Foam Solid



Pocket Coil Assembly

An automated Nordson system consisting of a tank melter, SureFoam™ dispenser and PatternPro™ applicator improves the process of bonding rows of pocketed coils together.

- Decrease material costs by up to 50% by blending adhesive with gas.
- Reduce sagging or running of beads into the valleys between coils. Adhesive stays at application point for strong bonds without wasted adhesive running into non-bonding areas.
- Increase adhesive penetration so improve the bonds. The gap filling attained as the foamed adhesive expands after application is particularly beneficial for irregular surfaces like the nonwoven pocket material.

Upholstery Layer/Pillow Top Attachment

Efficient application and material use are particularly needed to affix the upholstery layer to the mattress core. A Nordson handgun system including a melter and SureFoam dispenser produces a spray or swirl pattern to get maximum coverage with minimum adhesive.

- Using foamed adhesive and a swirl or spray application pattern can reduce adhesive volume and therefore adhesive cost, by up to 50%.
- Extend adhesive open time for greater production flexibility.

And, in this climate of heightened environmental consciousness, less adhesive use also supports sustainability programs and initiatives, helping you make your manufacturing more eco-friendly.

Nordson Corporation

1175 Lakefield Drive | Duluth, GA 30097
800.683.2314 | www.nordson.com