

Freedom™

Hot Melt Adhesive Dispensing Systems

Packaging Equipment that Pays You Back

The Future of Package Sealing

We studied over 1,700 research findings from packagers, machinery manufacturers and industry experts, to identify the industry's most critical issues. Here is what you told us:

- Adhesive availability
- Adhesive price fluctuations
- Productivity losses and equipment downtime due to adhesive char
- Varying labor skill levels
- Workplace safety

The Freedom System addresses current and future issues and reduces your packaging costs.



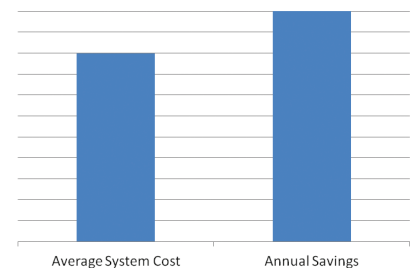
The typical Freedom System pays for itself in 12 months or less, and continues to save you money throughout the life of the system.

Savings:

- Cost of lost production – nozzle clogs
- Cost of lost production (troubleshooting complex controls)
- Cost of lost production (empty melter tanks)
- Adhesive savings with integrated intermittent bead capability
- Adhesive savings - eliminates overfilling and spilled hot melt
- Savings from improved adhesive density (Henkel® Freedom-certified adhesives)
- Cost of replacement nozzles and filters
- Cost of labor to unclog nozzles
- Cost of labor to troubleshoot controls
- Operator training costs

Additional Savings:

- Eliminating melter tanks reduces energy use by up to 50%
- Increases productivity - melts and delivers adhesives in up to 70% less time
- Energy-saving smaller diameter hoses
- Integrated hose mounts prolong hose life by eliminating sharp bends and compression
- Freedom MiniBlue® II pneumatic applicators feature industry-best service life
- Freedom applicators insulated covers reduce energy use up to 38%
- Unique chemistries reduce adhesive use and waste



Welcome to a new age in packaging, where you can experience:

Freedom from adhesive availability concerns

- Henkel® Technomelt®, Freedom-certified adhesives use readily available polymers
- Less affected by raw material supply issues
- Freedom-certified adhesives optimize system performance
- Improved adhesive density reduces use up to 40% compared to standard EVAs

Freedom from downtime associated with char and contamination

- Tankless melting minimizes/eliminates adhesive char
- Prevents clogged filters, applicators and nozzles
- Minimizes time-consuming maintenance and lost production
- Self-cleaning MiniBlue II SureBead® applicators break up nozzle debris
- Superior adhesive temperature stability also reduces char

Freedom from manual adhesive filling

- Uninterrupted production
- Adhesive pellet transfer efficiently without sticking or clogging
- Closed system keeps out contaminants
- Minimizes exposure to molten adhesive
- Prevents bending and lifting injuries from manual filling
- Reduces operator involvement and labor costs

Freedom from parent machine mounting and integration limitations

- Saves machine space with vertical footprint and mounting
- Attaches almost anywhere with standard mounting bracket
- Controls can be placed at eye level with mounting stands
- Allows conventional bench-top mounting on flat surfaces
- Eases hose routing with smaller diameter, energy saving hoses



Freedom from confusing controls and diagnostics

- Minimizes troubleshooting and downtime
- Component I.D. functionality shows part and serial numbers and installation date
- Displays diagnostics, alerts and fault messages in simple text
- Reduces need for training and skilled operators
- Intuitive, touch-screen interface
- Choice of languages

Freedom from excessive adhesive use

- Melts only the adhesive you need
- Saves adhesive from spilling and overfilling
- Excellent tack and bond strength allows a single adhesive for many applications and substrates
- Superior bonding reduces consumption and waste
- Intermittent bead dispensing capability enables up to 50% adhesive savings

Start Saving Now

Contact your Nordson representative to calculate your system payback and ongoing savings.

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

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