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.

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**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.