

THE FLYING BARCODER™

UNIQUE. SIMPLE. SUPERIOR.

THE FLYING BARCODER™ FEATURES:

SUPPORTING FRAME

MOTION SYSTEM

PRINT & APPLY SYSTEM

LABEL VERIFICATION SYSTEM

HOT MELT SYSTEM

WINDOWS® BASED CONTROL SYSTEM

PNEUMATIC SYSTEM

WHY IT'S THE ULTIMATE SOLUTION:

- Environment is much cleaner after strapper, resulting in less wear and tear on the machine
- Labels print completely clear and readable
- Sensor protection virtually eliminates potential damage
- Line speed is not an issue as the product is stationary
- Manual intervention is virtually eliminated, as are the extra labour costs

THE COMPONENTS: A SEAMLESS INTEGRATION

Typical Features:

- Tubular steel Supporting Frame
- Motion System: X and Z-Axis Iron-core linear motors with encoders, Multi-Axis Motion Controller, Digital Servo Drives, and horizontal axis tubular steel support beam.
- Print & Apply System: UPA-II Printer Applicator, Avery-Denison DPM 4-L print engine, label on head detection, tamp/blow applicator
- Label Verification System: Multi-beam laser scanner
- Hot Melt System: NC-20 tank 20lb, piston pump, high flex special heated hose, heated nozzle with swirl feature
- Integrated Windows® based control system: Industrial console with Integrated Touch Screen; custom software for machine control, monitoring, adjustment and service; pre-programmed package sizes and piece counts for ease of operation; Optional PLC interface for remote control, monitoring, etc.
- Pneumatic System: Manifold for regulated air distribution; water trap, air filter, and main air regulator supplied for mill air connection; hot melt machine with regulator and filter.



The Flying Barcoder™

Safety Features:

- Integrated monitoring system for detecting servo drive faults
- Product out of place detection prevents damage by a board sticking out of the package
- Air activated mechanical brakes prevent motion unless all safety conditions are met.

ONE SYSTEM: BRINGING IT ALL TOGETHER

The Flying Barcoder™ is located between the strapper and the wrapping station. As the package comes out of the strapper and move into position, the operator uses a touch screen to select the grade and length of the current package. Once the package is in position, the operator is able to start the barcoding process.

The Flying Barcoder™ moves across the face of the package, applying glue onto each board, printing and applying a label, and verifying the barcode with a scanner. When all the barcodes have been applied, the machine moves out of the way, and the package moves along to complete the wrapping process.



Labels printed and applied with the Flying Barcoder™