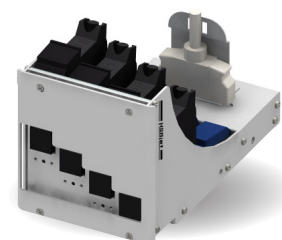


PRODUCT CATALOG



CORPORATE HQ
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ST. LOUIS, MO 63116
office 314.652.4583
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map-pack.com

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MID-AMERICA PACKAGING

Mid-America Packaging is a premier sales and service organization providing adhesive dispensing equipment and industrial inkjet coding systems to a variety of industries. MAP prides themselves on delivering customer excellence with experienced sales engineers, a knowledgeable technical team and a responsive customer support staff.

MAP’s corporate offices and customer training center are located in St. Louis, MO. This location also serves as their state-of-the-art rebuild and refurbish center for hot melt applicator systems and supply warehouse for their replacement parts inventory.

In conjunction with their sister company, AJ Adhesives, Inc., MAP’s shared core purpose is *HOLDING NORTH AMERICAN MANUFACTURING TOGETHER.*

You can reach Mid-America Packaging at **314-652-4583**
Or check us out on the web at www.map-pack.com to learn more about MAP

SERVICE CONTRACTS:

We offer full service contracts on all of our equipment that can be customized based on your specific production criteria. This can include all parts and maintenance or just PM items depending on what type of contract you desire.

Contact your local rep to discuss details.



MAP's line of tank-less hot melt dispensers uses an integrated vacuum system to feed adhesive to an in-line melter. With its efficient heat transfer design, the InvisiPac System has adhesive throughput capability equivalent to or better than many hot melt tank systems. Continuous flow of adhesive during production that significantly reduces the time adhesive sits at temperature. Less time at high temperature means less char, less maintenance and more uptime.



INVISIPAC HOT MELT UNIT

INVISIPAC HOT MELT UNIT



This innovative hot melt equipment made for the packaging industry is a tank-free system that uses an integrated vacuum system to feed adhesive pellets to an in-line melt chamber. A sensor monitors adhesive in the chamber, and additional pellets are automatically added as needed based on the demand of your application. InvisiPac provides a continuous flow of adhesive during production that significantly reduces the time adhesive sits at temperature. Less time a high temperature mean less char and less maintenance.



(CONTINUOUS INVISIPAC HOT MELT EQUIPMENT CONT'D.)



INVISIPAC PATTERN CONTROL

Put the right amount of adhesive exactly where you want it. Fast set-up, easy programming, pattern storage - it all adds up to increased productivity with the flexibility to adapt when you need to



INVISIPAC GM100 APPLICATOR

With the InvisiPac Hot Melt Adhesive Applicator, you'll experience a new era in hassle-free operation with improved uptime. With its innovative free-flow manifold design and integrated applicator filtering - when used with the InvisiPac System - you can eliminate nozzle plugs. You'll finally have a hot melt system that runs reliably, unnoticed and invisible.



INVISIPAC LINESITE

LineSite is a data tracking and collection solution for the InvisiPac Tank-Free Hot Melt System. With LineSite, you can track InvisiPac machines on the plant floor in real time from your smart phone, tablet or computer, and use the data as a powerful business tool to cut costs.



Astro Packaging manufacturers a powerful line of efficient and rugged hot melt units born from the Slautterback® all-electric technology. All of our hot melt machines are **MADE IN AMERICA** and provide years of trouble-free reliable performance. As the largest North American distributor for Slautterback®, and a previously authorized distributor for Nordson®, Astro Packaging specializes in Nordson® and Slautterback® equipment.



ASTRO PACKAGING

ASTRO HOT MELT UNIT



LS10 HOT MELT UNIT

The LS10 reliable all electric manual hot melt applicator system is ideal for reliable packaging and product assembly. The LS10 offers a fast and economical alternative to tape, cold glue and metal fasteners. The system features a melt unit with a 10 pound capacity (Skg) Teflon-lined tank, and a heated hose and handgun. The handgun comes equipped with a single orifice nozzle. The rugged construction of the heated hose features a teflon core reinforced with stainless-steel braid.

Features:

- Simple all electric design
- Lightweight for easy mobility
- Cool-touch melt unit and hoses
- Accepts all forms of adhesive up to 25,000 cps pellets, granules, pillows, and blocks
- Adjustable temperature and flow rates



AP15 HOT MELT UNIT

Astro Packaging sets the mark with the new AP15 hot melt unit. The AP15 utilizes an adjustable output flow control with a constant speed, direct drive motor/pump combination. This extremely reliable melt unit holds 15lbs. of hot melt adhesive. The Cylindrical tank design virtually eliminates the possibility of char buildup and degradation. An integrated flow through melt grid ensures consistent pump rates and adhesive delivery. Capable of up to (4) hoses and applicators, the AP15 temperature controller is simple to navigate.

Features:

- Replaces Nordson®, Melton & ITW Challenger units
- Supports up to (4) hoses and applicators
- Bead extrusion for manual or automatic applicators
- 200V-240V configuration, 1 PH or 3 PH
- Ni120, RTD sensor accuracy
- Compatible with all Nordson® accessories



AP30 HOT MELT UNIT

The AP30 Melt Unit is ruggedly designed for a wide range of adhesive and sealant applications. With a capacity of 30LB (13.6kg) of hot melt in pillow, pellet slab or bulk form, the melt unit concentrates heat at the tank bottom, while maintaining cooler temperatures at the top. This performance characteristic minimizes adhesive degradation, charring and foreign matter accumulation.

The AP30 features a fixed or variable AC motor that drives a positive displacement gear pump. An easy to adjust flow control allows for adjustment of pump pressure.

Features:

- Drop in replacement for Nordson® melters
- One to four hoses with automatic applicators or hand guns
- Simple, user friendly digital controls
- No compressed air reduces maintenance costs and downtime
- High performance pump rates up to 395 lbs/hr. (179kg/hr.)
- Reliable, smooth output gear pumps to handle a wide range of materials



ITW Dynatec is a global supplier of hot melt machines and solutions for various industries such as Packaging, Disposable Hygiene Products, Adhesive Coating & Laminating and many more. We have a unique company profile with an individual genetic code, history and strength. ITW Dynatec believes Quality, Innovation & Sustainability are the underlying principles of our long term success in the hot melt industry.



ITW DYNATEC

LOW VOLUME ADHESIVE SUPPLY UNITS



SIMPLICITY™ SERIES - ADHESIVE SUPPLY UNIT

The Simplicity™ ASU takes innovation, technology and performance to the next level. Clear, intuitive V6 controls and a modular design make it simple to install, operate and maintain. With a distinctive new orange ceramic coating, this compact unit features an HMI and hopper lid swivel for flexible configurations, while its small internal reservoir and autofeeding system rivals “tankless” systems. To match the production needs optimally, at the 16 kg hopper (only) a pre-melt grid can be mounted to increase the adhesive melt rate and two piston pumps can be mounted to double the delivery rate, which make Simplicity™ unique and exceptional in its class.

Quick Specs:

- 9-35 lb adhesive hopper capacity
- 25-50 lb/hr melt rate
- 2, 4 or 6 heated hot melt hose outputs
- Dual piston pump capabilities (16 kg unit only)



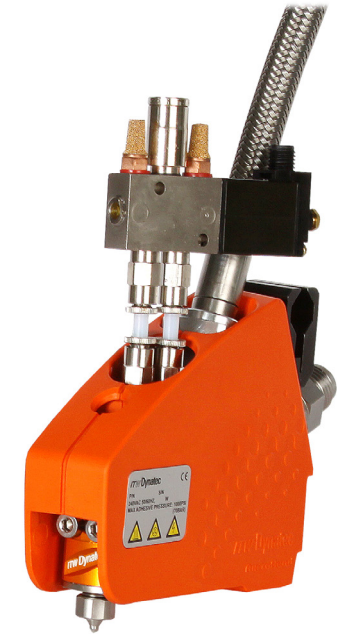
ADHESIVE APPLICATOR METHODS

BF MICROBEAD APPLICATOR

The BF MicroBead™ Adhesive Applicator offers cleaner cutoffs and superior operation over a longer operating lifespan. Its air open/ air close design provides accurate and uniform adhesive patterns and bead placement while the built-in filter helps maintain a clean nozzle orifice.

Quick Specs:

- Integrated needle and self-cleaning nozzle virtually eliminate adhesive stringing and downtime. (Optima Module)
- Adjustable needle stroke sets adhesive flow for extreme accuracy. (Micro Module)
- Standard air open/air close module for accurate bead placement and sealing.
- Platinum sensor provides optimum temperature control.
- Water resistant sealing.



HOT MELT HOSE



GEMINI™ HOT MELT HOSE

Gemini™ Hose is the only hot melt hose in the market that combines dual sensors and dual heaters. The special design combines dual sensors and dual heaters which can be activated in case a hose failure occurs, helping you reduce unexpected downtime.

Quick Specs:

- Multiple electrical ground channels support a safe operating environment
- Electrical watt-density heating is hose length calibrated which reduces hose char

MAP's line of hot melt dispensing units are supported by the most current technological advances in the industry today. They offer premium reliability and total control of the units operation.

Additionally, little to no maintenance is required due to the teflon coated auto feed tanks which completely eliminate char buildup.



HOT MELT DISPENSING UNITS

D-SERIES GEAR PUMP HOT MELT UNITS



The D-Series units feature several relief valve options, ranging from the simple single stage relief valve to more sophisticated pneumatic relief systems. They allow for safe operation because of their independent/redundant over-temperature circuits and system over-pressure protection.

The D-Series capabilities include spray, ribbon coating, direct contact, and high speed jetting adhesive dispensing guns; and are ideally suited for a range of packaging, paper converting, graphic arts, non-wovens and product assembly applications.



Teflon coated tanks



Solid-state controls, precise RTD temperature sensors, and thermostatic temperature control optimize system performance

Outlets for two hoses and guns allow for user flexibility



Positive displacement, motor-driven gear pump offers a continuous pulse free output



(HOT MELT DISPENSING UNITS CONT'D.)

EVOLUTION C (EC) SERIES



The Evolution C (EC) Series technology is the newest innovation for hot melt adhesive melters. The design is a culmination of features that were specifically crafted to meet the most current needs communicated by hot melt unit users worldwide. A new user-friendly control panel supports a quick and easy configuration to adapt to any work requirement. Valco Melton's new EC Series hot melt adhesive unit offers optimum reliability and total control of the unit's operation. Supported by the most current features and technology and easily takes recognition as the best in its performance class.



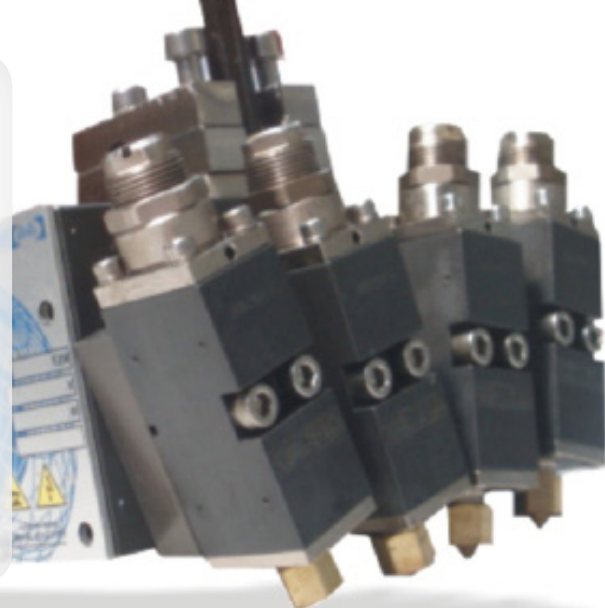
HOT MELT UNIT COMPARISON

The Nordson DuraBlue series are all gear pump hot melt units. Valco Melton's D-Series Gear Pump Hot Melt Units are comparable replacements.

The D-Series is available in 4 sizes ranging from 4E, 10, 16, and 22 liter capacities. The D-Series feature a microprocessor temperature control including 7-day clock, temperature setback, sequential start-up and PLC user connections. The D4E melt unit is directly comparable to the Nordson DuraBlue 4L. The D4E can operate on either 120VAC or 240VAC depending on the unit requested. All hoses and gun applicators for the D4E and the DuraBlue 4L are compatible and interchangeable. The D series (10-22) are available with either a fixed speed motor or variable speed motor for applications that require line speed tracking. All D series tanks are compatible with the 2300/3000 series hoses and most Nordson applicators. These units are comparable to the smaller sized DuraBlue tanks, specifically the DuraBlue 10, 16 and 25.

MAP's line of variable temperature dispensing applicators cover every type of pattern requirement including high speed, non-contact extrusion, ribbon coating, fine-line gluing and spray.

They feature dispensing modules that are capable of dispensing molten hot melt material onto to any substrate.



DISPENSING APPLICATORS

VALCO MELTON DISPENSING APPLICATORS



ME Series Auto-Open/Auto-Close Guns

- One of the most advanced technologies for high velocity intermittent bead applications
- Double effect module system ensures a perfect and uniform adhesive cut, giving a clean, quality appearance for stronger product finishing
- ME Applicators offer a flexible and versatile design which permits a universal fit and easy configuration for all customer demands



MS Series Modular Guns

- Standard applicators used in most packaging applications
- "Air-open and spring-closed" and use the H-200 style gun module
- Should be used with general packaging grade adhesives at temperatures from 200 °F up to 375 °F.
- These guns are compatible with Nordson BCS Classic Blue and Solid Blue A gun series as well as the older H-200 series.
- Can be configured in various spacing configurations and have 3 available fluid ports on each gun to allow for maximum versatility



MF Series Integrated Filter Guns

- Similar to MS Gun Series except for the integration of a filter screen within the manifold of the gun.
- "Air-open and spring-closed" and use the H-200 style gun module
- Should be used with general packaging grade adhesives at temperatures from 200 °F up to 375 °F.
- These guns are compatible with Nordson BCS Classic Blue and Solid Blue A gun series as well as the older H-200 series.
- Can be configured in various spacing configurations and have 3 available fluid ports on each gun to allow for maximum versatility



ECOSTITCH LINE

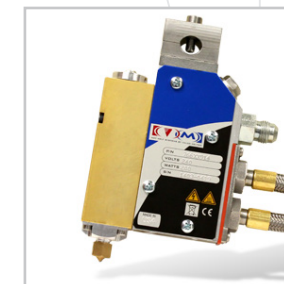
Valeo Melton's "EcoStitch" solution can help you reduce your adhesive usage by applying precision dots or using traditional beads. The unique "EcoStitch" feature will reduce adhesive usage while improving the bond quality.

Valco Melton EcoStitch Line



MX Series Modular Guns

- Built-in Filter with each MX gun continually filters adhesive without having an external housing that acts as a hot spot and additional SKU to stock.
- The MX valves can operate cleanly and precisely with nearly any adhesive formula. Viscosity ranges from 200cps up to over 6,000cps.
- The MX electric valve can operate 6-10 times faster than the world's fastest air solenoid.
- The MX valve design is capable of routinely reaching well over 2 billion cycles.



THE VD-2E

- Independent control of the pattern through EcoStitch or bead setting
- Customize your adhesive pattern with EcoStitch's unique "dot" and "gap" settings
- Improve operator effectiveness with simplified setup and programming tasks
- Quick installation with plug-and-run connectors
- Switch between dots and beads with the press of a button
- Users can easily configure the stitch or bead parameters as well as dot placement and gap size with the simple press of a button.



In business for over 36 years, Haeco offers simple yet effective solutions for a full range of corrugated gluing applications including: Flexo Folder Gluing, Specialty Folder Gluing, Hot Melt and/or Cold Glue Taper Conversion Systems, Hand-gluing Systems, and Engineered Gluing Systems for laminating and gluing corrugated parts. Products include Pattern Controllers, Glue Verification, Jam Detection and Trim Removal.



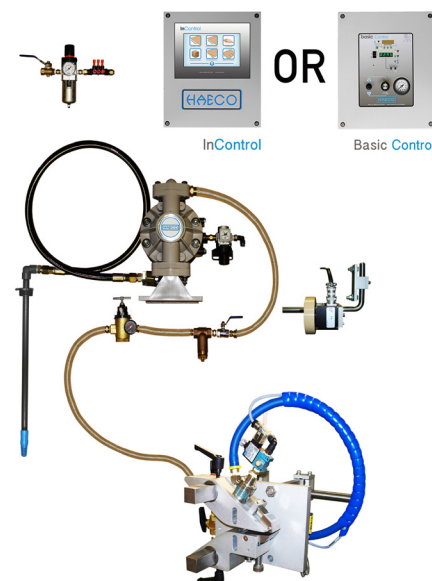
HAECO

FLEXO-FOLDER GLUING SYSTEMS

HAECO

HAECO's Flexo-Folder Gluing System ships as a complete, pre-wired, ready-to-run system! Installation has been simplified by pre-wiring and color coding all controls and cables – giving you the option to install yourself. This Flexo-Folder Gluing System is not only one of the most robust systems on the market but is also one of the easiest to setup and operate.

HAECO's Flexo-Folder Gluing System can be customized to meet your gluing needs. Whether you need the flexibility of non-contact gluing or whether you need options such as: Glue Pattern Control, Glue Pattern Verification, Jam Detection, Tab Quality Verification, Counter Ejection Output, or Registration Verification, HAECO has the solution to your flexo-folder gluing needs.



FLEXO-SYSTEM CONTACT



FLEXO-SYSTEM NON-CONTACT

SPECIALTY GLUER FOLDER



AFTERMARKET PARTS

Haeco offers aftermarket parts such as: applicator heads, valves and valve-seal kits, as well as other miscellaneous parts as well. For more information contact our equipment team!

TRIM REMOVAL SYSTEM

HAECO's TRS-3 Trim Removal System is designed to effectively remove left over trim on corrugated tabs and is completely adjustable for easy installation and setup.

The TRS-3 has the added feature of a product presence sensor and will shut off automatically at the prescribed setting.



MAP sells and services an extensive line of Continuous Inkjet (CIJ) printers capable of printing on a variety of substrates.

MAP's CIJ printers offer customers unparalleled reliability, and are backed by Hitachi's industry leading two year warranty. Additionally, MAP's CIJ printers offer the lowest total cost of ownership (TCO) compared to competitor's models.

CONTINUOUS INKJET PRINTERS

HITACHI INDUSTRIAL CONTINUOUS INKJET PRINTERS **HITACHI**

Hitachi's industrial continuous inkjet printers deliver state-of-the-art technology and advanced features to enable high-speed marking and coding operations.

Hitachi industrial inkjet printers, including RX Series, PH Series, PXR Series, and PB Series inkjet printers, support end user's track and traceability requirements via date code, expiration, and bar code serialization on any product-packaging surface. Furthermore, the Hitachi inkjet printer technology also allows non-contact printing flexibility to mark on rough, uneven, or varied surfaces from any direction.



RX-2 Standard

- Large 10.4" color TFT LCD Touch Panel
- Strong die-cast aluminum print-head frame
- Unique 4m flexible umbilical design to shield external high voltage exposure
- Print-head umbilical interchangeable between in-line & 90 degrees position
- Unique ink return system to reduce solvent evaporation, which minimizes the mixing of air and ink
- Combination of viscosity control and density control to reduce solvent consumption and maintain high print quality



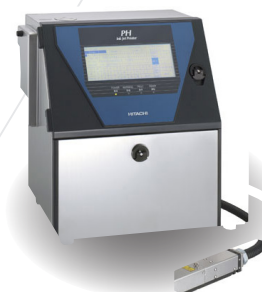
UX-Series

- Large 10.4" color TFT LCD Touch Panel
- Nickel chrome corrosion resistant printhead
- Unique 4m flexible umbilical design to shield external high voltage exposure
- Print-head umbilical interchangeable between in-line & 90 degrees position
- Unique ink return system to reduce solvent evaporation, which minimizes the mixing of air and ink
- Combination of viscosity control and density control to reduce solvent consumption and maintain high print quality



CONTINUING TO SUPPORT...

PH-D Series



PXR-H Series



PB Series



TRIAL PERIOD AND WARRANTY

All Hitachi units are available for a free 30 day trial with no cost or no obligation. MAP will install the unit at the customer's convenience and if after the trial period they are not satisfied, MAP will come in and uninstall the unit free of charge.

All Hitachi units are also backed by Hitachi's industry leading 2 year warranty. Special incentive and trade-in-programs are also available in certain instances.

Contact your MAP Sales Representative for more information.

MAP's line of Hi-Resolution/
Drop-On-Demand inkjet print-
ers offer high quality autonu-
meric printing of barcodes,
logos, and razor sharp text.

They allow users to run multi-
ple print heads and print multi-
ple lines of code on any case or
carton application.

HI-RESOLUTION/DOD PRINTERS

SQUID INK HI-RESOLUTION/DOD PRINTERS



Squid Ink offers several options for Hi-Resolution/Drop-on-Demand Large Character printers. Each model allows manufacturers to print high quality dot-matrix characters on a variety of products at a cost-effective price.

Every Squid printer has been engineered inside and out for industrial-strength operation. Heavy-duty gauge coated steel cabinetry ensures continuous operation in harsh, real world environments. If the printer does fail, a fix can be completed in less than five minutes in most instances.

SQ2 Large Character



- Run one or two print heads from the same controller
- Easy-to-use software walks you through a series of prompts to program and save messages for printing
- Simple to operate, virtually maintenance free, and field upgradeable with modular components and options.
- Two models: water-based for porous surfaces or solvent-based for non-porous surfaces
- Industrial strength hand-held input device for easy message input
- Ability to run two print heads, allows printing on one or two sides of the product

SQ2 Scorpion Large Character

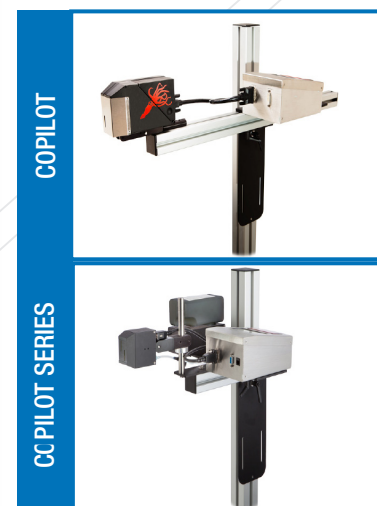


- Upgraded features include increased message locations, expiration date, shift organizer and encoder input
- Built-in air gauge to view regulated air pressure within the system and fine-tune print quality
- Proven plunger technology ensures uptime and keeps maintenance costs to a minimum
- Two models: water-based for porous surfaces or solvent-based for non-porous surfaces
- Ability to run two SQ/2 Series print heads
- Component modularity eliminates the need for service calls and minimizes downtime

Pilot Series Hi-Resolution Printers

Squid Ink offers several options for hi-resolution inkjet printing. Each printer is designed to print on porous and non-porous surfaces providing the ultimate level of flexibility and versatility for any customer need.

Squid's hi-resolution printers include the; **CoPilot Touch** and **CoPilot 500**. Each model offers specific features independent from each other.



- Entry-level cartridge based system
- Competes with HP products
- Windows based
- Wireless USB device and Router for connectivity
- New Orion software platform
- Xaar print engines
- CoPilot 128 - .7 print height
- Windows based
- Wireless USB device and Router for connectivity
- New Orion software platform
- Xaar print engines

CO-PILOT 500



BENEFITS CO-PILOT 500

- Run up to two 2.8" print heads from a single controller
- Print up to 5.6" of hi-resolution characters, razor-sharp text, scannable bar codes, and great looking logos at 185 dpi per print head
- CoPilot's 4.3" full color touchscreen provides access to the system's internal messages and print functions
- Compatible with Squid Ink's easy-to-use Orion™ message creation PC software system and ERP



A 4.3" full color touchscreen provides access to the systems internal messages and print functions.



Manage messages wirelessly using the optional 10.1" full color touchscreen with Orion Software

Whether you're printing small or large characters, fixed images, lot and date codes, or even variable data, inc.jet's packaging printers can do it all. With rugged, flexible hardware, software that puts you in control of how you integrate inc.jet into your projects and the widest range of inks for printing on almost anything — from paper to foils, in black or in color — inc.jet's packaging printers provide the ultimate industrial print system.



PACKAGE & CASE CODING

UNO 1/2" PRINTER



With their industrial-strength build and high-performance components, inc.jet's packaging printers fit into virtually any manufacturing/packaging environment. And with an extensive range of inks available, there is practically no material that cannot be printed on clearly, quickly and efficiently.

INK THAT PRINTS ON EVERYTHING: PrimeX was designed to take TIJ to next stage in printing on nonporous substrates. It is ideal for use with a wide variety of plastics, metals and even glass. The solvent based formula dries rapidly on many difficult substrates and has an excellent decap time. PrimeX is available in the new SI cartridge, designed specifically for use with solvent inks.



The 1/2" .UNO packaging printer's all-in-one print head and screen give you a simple, yet incredibly powerful way to print up to 1/2" of print with the minimum of effort. The packaging printer system, comprising of a 7" screen and attached print head allows you to be up and running within minutes.

- No mess, no maintenance HP and inc.jet Technology
- Rugged industrial design for the most demanding installations
- Variable and fixed data capability
- SQL Database connectivity
- Simple ASCII interface to supply dynamic data from scanners and PLC's
- Offline job creation
- Networkable—can be connected to company network

(CONTINUOUS CODING EQUIPMENT CONT'D.)

CORE CASE CODING SYSTEM



The .CORE integrated heads are the essence of what makes inc.jet's inkjet coding systems so successful – rugged design, solid connections to external elements and the finest print heads in the industry, all provided in a commercial off-the-shelf inkjet coding system.

With a bulk ink handling system included as an essential part of an integrated head, .CORE inkjet coding systems are the most cost effective way of printing on cases and cartons. And with an ink designed specifically for printing on Kraft corrugated boxes and other carton materials available, total running costs are minimized at all times.

LIFETIME WARRANTY

inc.jet Inc. provides a Lifetime Warranty for our HP based Print hardware products and warrants that each product is to be in good working order for the product's lifecycle whether purchased from inc.jet or an authorized inc.jet business partner. Should this product, in inc.jet's opinion, fail to be in good working order, inc.jet will, at its option, repair or replace this product at no charge, provided that the product has not been subjected to abuse, misuse, accident, disaster or non-inc.jet authorized modification or repair. This Lifetime Warranty is given only to the Buyer and is non-transferable.



LABELING SYSTEMS

COLAMARK LABELING SYSTEMS



A101 VERTICAL ROUND BOTTLE LABELING SYSTEM

A simple wrap-around labeling system specifically designed for the need of the pharmaceutical industry for labeling on small vials. Optional inspection and rejection devices for missing or wrong code, missing labels to ensure output quality. Capacity up to 350ppm.

- Intelligent Control - automatically detects the label length and alarm for label end detection.
- 50 sets of labeling parameter memory allows easy changeover between different labeling jobs.
- Motorized separator to ensure correct bottle spacing.
- Highly user friendly interactive touch-screen control makes operation convenient and straight forward. Also offers rich of onscreen help functions and error alarms.
- Barcode reader - optional on-line barcode reader to capture bar code data on labels.



A751 ROUND LABEL APPLICATOR

For automatic feeding and labeling of flat objects such as fold-down cartons, leaflets, cads etc. Integrated options include online printing of variable information and barcodes, inspection and automatic rejection.

- Vacuum assisted conveyor to ensure product stability during transport and labeling, and thus allows high operation speed of the system.
- Extra wide feeder and material path to cater for a wide range of product size.



COLAMARK LABELING SYSTEMS CONT.

A751 ROUND LABEL APPLICATOR CONT.

- Prints variable information and bar codes (print engine option).
- Touch control panel with user friendly operation menus. Memory of 50 sets of operation parameters.
- Choice of various print engines: Zebra PAX thermal transfer print engine, 105SL thermal transfer printer, or HP inkjet engine etc.
- Various inspection options to ensure output quality: missing code inspection, bar code readability check, missing label inspection etc.



A920 FRONT AND BACK LABELING SYSTEM

Colamark A920 Front and Back Labeling System is an ideal choice for the daily chemicals, food and beverages, pharmaceutical and other light industries automatic two sides labeling on oval shaped or rectangular shaped containers.

- Highly user friendly interactive touch-screen control makes operation convenient and straight forward. Also offers plenty of on-screen help functions and alarms.
- Design features to ensure precise and smooth labeling on oval or rectangular bottles:
 - An alignment device composed of a pair of side chains to ensure symmetrical alignment of bottles along the center line.
 - A top conveyor belt at synchronized speed with the main conveyor to hold the bottles in place to maintain bottle alignment and stability throughout the labeling process.
 - Optional special label sensor for detection of film transparent labels.
 - Optional registration features to cater for more specific labeling requirements:
 - Optional wrap-around device to allow handling round bottle labeling with the same machine.
 - Optional registration control device to allow precise control of label position on the round bottle in relation to registration marks.



MAP's label applicators provide customers with effective and cost efficient solutions, to fulfill any label application need.

They feature flexible designs and more standardized features than similar products in the labeling market. Additionally, they provide end-users with the benefits of a customized solution for the price of a standard solution.

LABEL APPLICATORS

PARAGON LABELING SYSTEMS LABEL APPLICATORS



PLS-100 Series

- PLC Controlled
- 4 Line, back-lit interface with tactile keys
- 20"/second dispense speed
- 1/2" plate aluminum construction
- One button "Teach" label gap sensor



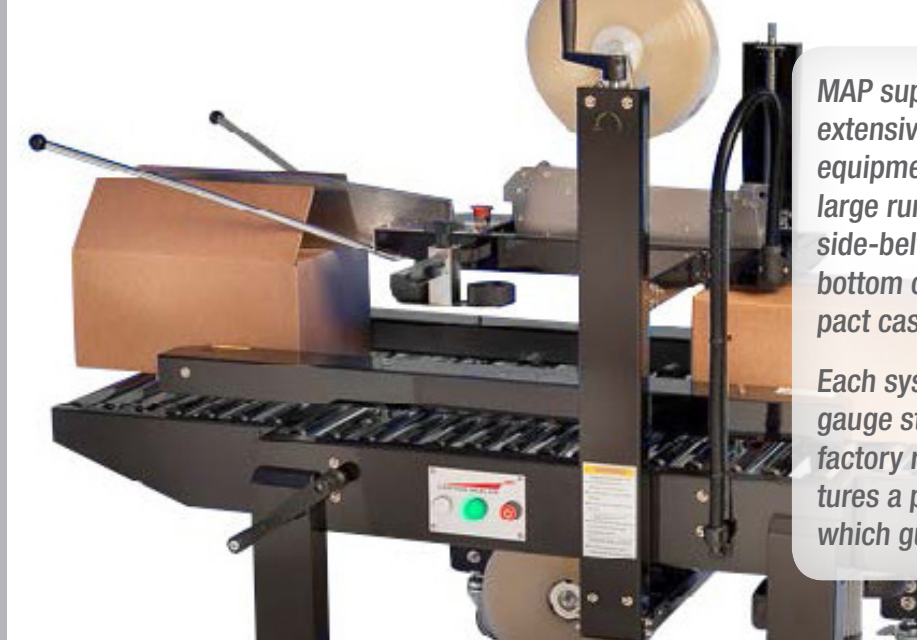
PLS-400 Series

- PLC Controlled
- Remote mount interface
- Stepper motor label drive system
- Operator selectable label dispense speed
- Pressurized cabinet
- Peel-tip label sensing



PLS-500 Series

- Allen Bradley PLC Controlled
- Remote mount interface
- Vacuum system back-flush (eliminates vacuum system clogging)
- Swing-away applicator mounts
- Pre-wired peripheral connection points
- 100 built in label location recipes
- Dual label sensing



MAP supports and sells an extensive line of case taping equipment offering products for large run case taping, random side-belt case taping, top and bottom case taping, and compact case taping.

Each system is made from 12" gauge steel that meets most factory requirements and features a powder coated exterior which guarantees years of use.

CASE TAPERS

EASTEY CASE TAPERS



BB-2 Bottom Belt Case Taper

The BB-2 features self-centering side rails, a rugged bottom belt drive, and heavy-duty mast that easily adjusts to handle a variety of case sizes at a cost-effective price.

- Belt Speed: 60 fpm
- Tape Speed: 30 cases per min.
- Air Requirements: None



BB-2/SS Bottom Belt Case Taper



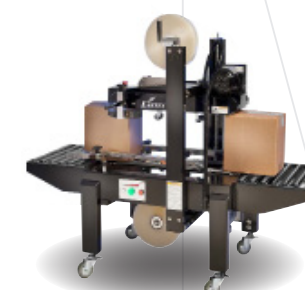
Stainless steel construction coupled with a single drive wash-down motor and aggressive drive belts make the BB-2/SS ideal for wash down conditions.

- Belt Speed: 60 fpm
- Tape Speed: 30 cases per min.
- Air Requirements: None

TB-2 Bottom Belt Case Taper

The TB-2 utilizes top and bottom drives and a dual mast for greater tape head stability. It is ideal for tall and narrow or over-filled cases.

- Belt Speed: 75 fpm
- Tape Speed: 30 cases per min.
- Air Requirements: None



(CASE TAPERS CONT'D.)

SB-2EX Side Belt Case Taper



The SB-2EX's side belts are great for light or heavy weight, narrow or small boxes. It is ideal for void-fill cases where the packaged product does not support the box.

- Belt Speed: 75 fpm
- Tape Speed: 30 cases per min.
- Air Requirements: None

SB-2HD



Dual drive motors and aggressive drive belts make SB-2HD a workhorse that will stand up to your toughest challenges. Each case taping machine is made from 12 gauge steel that will withstand even the most rugged applications.

- Belt Speed: 72 fpm
- Tape Speed: 30 cases per min.
- Air Requirements: None

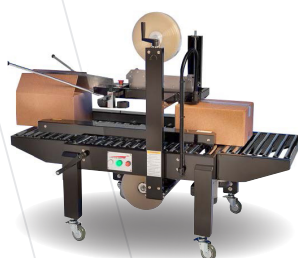
SB-2EX Random



The SB-2EX Random allows users to run a variety of case sizes without having to manually adjust for each box. The system automatically adjusts the side rails and tape head height for different case sizes.

- Belt Speed: 75 fpm
- Tape Speed: 15-20 cases per min.
- Air Requirements: 80 PSI

Easy Packer



Designed to streamline manual case packing, the Easy Packer is supplied with a 48" anvil packing station, extended side rails, and flap closing bars to assist with the packing and sealing process.

- Belt Speed: 75 fpm
- Tape Speed: 20 cases per min.
- Air Requirements: None

SB-2/FC



The SB-2/FC side belt case taper is designed to automatically close all four case flaps and seal the top and bottom. The adjustable plow system provides the utmost flexibility for varying types of carton sealing applications.

- Belt Speed: 75 fpm
- Tape Speed: 20 cases per min.
- Air Requirements: 85 PSI



MAP's shrink packaging systems are designed and built to give customers all the performance features needed for positive sealing wide varieties of films including polyolefin, polyethylene, and PVC.

Each system offers adjustable dwell times for better seal control and an analog temperature control adjustable for consistent sealing across a wide variety of films.

SHRINK PACKAGERS

EASTEY SHRINK PACKAGERS



L-Sealers

Eastey offers two series of L-Sealers; the Professional Series and Performance Series. They both provide features independent from one another while offering the following standard features:

- Designed to seal most polyolefin, polyethylene, and PVC shrink films
- Seal head casting equipped with head return cylinder
- Stainless steel film clamps hold film in place
- Dual locking magnet clamps apply even pressure across seal bar



Shrink Tunnels

Eastey also offers two series of Shrink Tunnels; the Professional Series and Performance Series. They both provide features independent from one another while offering the following standard features:

- Designed to seal most polyolefin, polyethylene, and PVC shrink films
- Seal head casting equipped with head return cylinder
- Analog temperature control adjustable for a variety of films
- Takeaway conveyor can be raised or lowered to center-seal product



Combo Unit Value Series

The Value Series Combo Unit combines a rugged Eastey L-sealer and shrink tunnel on a common frame with one power source. This allows for quick setup, perfect alignment and consistent product sealing.

- Designed to seal most polyolefin, polyethylene, and PVC shrink films
- Seal head casting equipped with head return cylinder
- Stainless steel film clamps hold film in place
- Dual locking magnet clamps apply even pressure across seal bar



(SHRINK PACKAGERS CONT'D.)

Bundling Tunnels



Eastey bundling tunnels provide you with all the quality features found in much higher priced machines. They are designed and built to give customers all the features needed for positive shrinking of polyethylene film.

- Designed to seal polyethylene film
- High temperature belting resists wear
- Four-directional air flow provides positive shrinking
- Large air ducting creates more air volume inside tunnel

Choo-Choo Tunnel



The intermediate level Eastey Choo-Choo shrink tunnels are designed and custom built for a customers specific product to provide positive shrinking on a wide variety of shrink bands.

- All-welded main frame 12 gauge steel
- Custom conveyor with custom designed shrink band carriers
- Removable air intake screen for recirculating air flow
- Sealed bearings on drive and idler shafts
- Adjustable solid state temperature control for a variety of films



MAP's Case Handling Systems provide customers with the industry's premier case formers and off-line case printers.

Two equipment options are available, each eliminating the need for pre-assembled and pre-printed cases. Manufacturers will have the opportunity to form and print on their own cases and cartons in-house.

CASE HANDLING

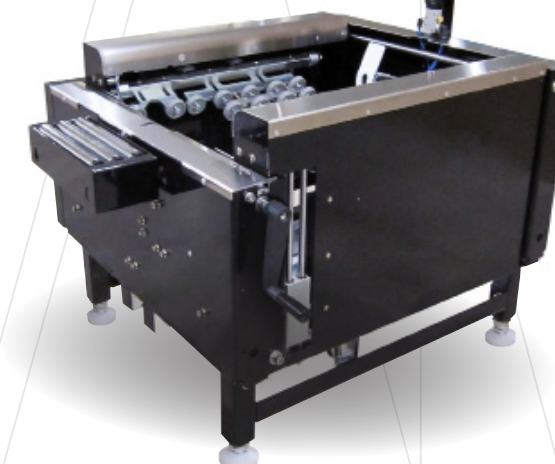
EASTEY CASE HANDLERS



EX-CF Carton Former

The EX-CF Case Former enables a single operator to form, pack, and seal corrugate cases. Operation is simple: open the case and place it in the top of the case former. Photo sensors activate the machine's flap folding mechanism to fold to fold the bottom major and minor flaps.

Once the flaps are folded, the case will stay in place while the case is filled by the operator. Filled cases can then be advanced into a taper for automated top and bottom case-sealing.



Vertical Case Transport System

The VCTS allows users to print on two sides of a case eliminating the need for pre-printed cases or expensive labeling equipment supplies.

Designed for off-line case printing, the VCTS automatically feeds blank cases through a print station that is ideal for mounting hi-resolution ink-jet printers and offers the ability to print virtually anywhere on either side of the case. Open access to print heads allows for easy maintenance and quick adjustments. The VCTS also features an input hopper that can hold up to 90 flat single wall cases and can-easily be reloaded by one person.



MAP's line of shrink sleeve applicators & shrink tunnels equipment includes a complete line of shrink sleeve labelers and tamper evident banding equipment designed for industrial applications. Our labelers range in performance from 50 to 600 products per minute, offering a product and price point no matter what the application demands.



SHRINK SLEEVE LABELING & TUNNELING

SHRINK SLEEVE APPLICATORS, SHRINK TUNNELS



The LX-150 Shrink Sleeve Label and Tamper Evident Band applicator from American Film & Machinery is a mid-range labeling machine designed for middle, full body, and full body and cap applications. The LX-150 is designed for low to moderate production rates and is a perfect solution for industries including food and beverage, pharmaceutical, nutraceutical, health and beauty, consumer goods, chemical, and other manufactured goods. Due to the versatility of the system, the LX-150 is also ideal for the changing needs of contract packagers.

Other Shrink Sleeve Labeler Equipment include: ▶ CH-100 ▶ LX-100 ▶ LX-350 ▶ LX-450

TECHNICAL SPECIFICATIONS	
Power	3 Phase 220/380/400/440V 50/60Hz
Film Thickness	0.035mm - 0.07mm
Film Lay Flat	40mm - 240mm
Cut Length	30mm - 200mm
Machine Dimensions	853mm (W) x 1390mm (L) x 1853.215mm (H); 33.6" (W) x 42.9" (L) x 72.9" - 64.6" (H)
Speed	30 - 300CPM



(CONTINUOUS SHRINK SLEEVE LABELING CONT'D.)

HEAT SHRINK TUNNELS

OAL - CLASSIC (Electric)

The OAL Classic Radiant Heat Tunnel for shrink sleeve label and tamper evident band application from American Film & Machinery is designed for middle, full body, combo packs, and full body and cap shrink applications. OAL Classic is a perfect addition to shrink labeling lines in manufactured goods industries including food and beverage, pharmaceutical, nutraceutical, health and beauty, consumer goods, and chemical products.



▶ Heat shrink tunnel equipment also has a WSN series that is a steam heat tunnels designed to take on difficult shrink labeling operations.

SHRINK SLEEVE LABELS

Shrink sleeves are an ideal solution for marketing your products to make them stand out on the shelf. Shrink sleeve labels cover your container from top to bottom and can be designed with 360 degrees of full color graphics, text, and even unique finishes. With full reverse print capabilities, our shrink sleeves are the perfect solution for stimulating shelf appeal to your entire product line, even when using the same container for all of your products.



CONTRACT LABELING & PACKAGING

In addition to providing shrink labeling equipment and consumables, American Film & Machinery also offers contract labeling services for customers looking to outsource their product labeling and fulfillment. With over 40 years experience in the shrink labeling industry, trust in AFM to provide exceptional service and the finished product you are looking for.

GRACO

Since 1926, Graco Inc. has been a leading provider of premium pumps and spray equipment for fluid handling in the construction, manufacturing, processing and maintenance industries. Headquartered in Minneapolis, Minnesota, Graco works closely with distributors around the world to offer innovative products that set the quality standard for spray finishing, paint circulation, lubrication, sealant and adhesives dispensing, process application, and contractor power equipment.

ASTRO

Astro Packaging manufactures a powerful line of efficient and rugged hot melt units born from the Slauterback® all-electric technology. All of our hot melt machines are MADE IN AMERICA and provide years of trouble-free reliable performance. As the largest North American distributor for Slauterback®, and a previously authorized distributor for Nordson®, Astro Packaging specializes in Nordson® and Slauterback® equipment.

ITW DYNATEC

ITW Dynatec is a global supplier of hot melt machines and solutions for various industries such as Packaging, Disposable Hygiene Products, Adhesive Coating & Laminating and many more. We have a unique company profile with an individual genetic code, history and strength. ITW Dynatec believes Quality, Innovation & Sustainability are the underlying principles of our long term success in the hot melt industry.

VALCO MELTON

Valco Melton specializes in creating quality assurance and electronic monitoring systems, as well as strong, durable bonds through cold glue and hot melt adhesive technologies. Their equipment has been utilized in corrugated boxing, folding case and carton seal, envelopes, coating, tissue and paper, non-wovens, textiles, specialized assembly, packaging, wood products, and auto and performance industries.

HAECO

In business for over 36 years, Haeco offers simple yet effective solutions for a full range of corrugated gluing applications including: Flexo Folder Gluing, Specialty Folder Gluing, Hot Melt and/or Cold Glue Taper Conversion Systems, Hand-gluing Systems, and Engineered Gluing Systems for laminating and gluing corrugated parts. Products include Pattern Controllers, Glue Verification, Jam Detection and Trim Removal.

HITACHI

Hitachi America, Ltd. is a leading manufacturer of industrial continuous inkjet printer products used for marking and coding in different packaging applications in the American marketplace. Their industrial continuous inkjet printers deliver state-of-the-art technology and advanced features to enable high-speed marking and coding operations. Hitachi industrial inkjet printers support end user's track and traceability requirements via date code, expiration, and bar Code serialization on any packaging surface.

SQUID INK

Squid Ink specializes in the manufacture of high quality industrial inks, industrial inkjet printers, and industrial case taping equipment for the packaging industry. Their products and services are designed to provide reliable cost-effective solutions to your industrial applications. Squid Ink has relied on a wealth of knowledge and experience in the inkjet industry to design a full family of large character and Hi-Resolution printing systems, as well as a full line of industrial case taping systems. Additionally, Squid Ink has been able to formulate the most comprehensive line of hi-resolution, piezo, and large character fluids in the product identification market today.

INC.JET

With their industrial-strength build and high-performance components, inc.jet's packaging printers fit into virtually any manufacturing/packaging environment. And with an extensive range of inks available, there is practically no material that cannot be printed on clearly, quickly and efficiently.

COLAMARK

Colamark is a leading solution provider specialized in labeling, card fabrication/process equipment and Ink Jet system integration. We commit to providing robust and creative solution to our customers with reasonable budget. Our solution has been widely used in pharmaceutical, healthcare, food & beverage and smart card industries.

PARAGON LABELING

Paragon Labeling Systems draws on 30 years of real world experience and reference-able customer portfolios. Paragon is "continuing the legacy" by using the over 30 years of experience in creating a product line that is modular and flexible for specific customers, industry, and compliance needs. We are committed to engineering and manufacturing high quality products that are user friendly to set up and maintain.

EASTEY ENTERPRISES

Eastey Enterprises manufactures a complete line of case tapers, L-Sealers, sleeve wrappers, shrink tunnels and bundling equipment used in the food & beverage, electronics, medical & pharmaceutical, and other manufactured goods industries.

AMERICAN FILM & MACHINERY

American Film & Machinery is a leading manufacturer and supplier of heavy-duty shrink sleeve labeling equipment, shrink tunnels, and shrink sleeve consumables. AFM's shrink sleeve labeling equipment includes a complete line of shrink sleeve labelers, tamper evident banding equipment, steam tunnels, electric tunnels and infrared tunnels. AFM's labelers range in performance from 50 to 600 products per minute, offering a product and price point no matter what the application demands.



REBUILD AND REFURBISH CENTER

Mid-America Packaging specializes in rebuilding and replacing all Nordson, Slautterback and other hot melt dispensing equipment.

All of our service technicians are certified and factory trained and provide on-site service and repairs for existing hot melt application equipment. They will provide customized solutions to minimize downtime while MAP's custom designed Preventative Maintenance Programs guarantee to prevent and identify problems before they arise.

Before

After



Before

After



REPLACEMENT PARTS INVENTORY

Mid-America Packaging also stocks a diverse of replacement parts for original Nordson and Slautterback hot melt and dispensing equipment.

Nordson Replacement Parts



Solenoids



Filter Assemblies



Heated Hoses



Nozzles



H200 Series Modules



H200 Series Applicators



AD31 Hand Guns



3000 Series Pumps



Cordsets



H202TLP Applicators



Heaters



Model IV & V Pumps



Photo Eyes



Tech Generators



Thermostats

Slautterback Replacement Parts



V2 Pump and Manifold



Flow Controls



Nozzle bars



Pressure Gauges



Filter Assemblies



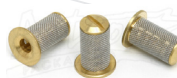
Temperature Controllers



Pattern Controllers



Glue Applicators



Filter Screens



ML 400 Auto Series



Thermostats



Modules



Motor Series



Nozzles



Pumps



Valve Assemblies



LOCATIONS



NORTHWEST

Portland, OR
Seattle, WA
Spokane, WA
Salt Lake City, UT
Northern California
Alberta
British Columbia

MIDWEST

St. Louis, MO
Kansas City, MO
Southern IL
Tulsa, OK
Wichita, KS
Des Moines, IA

SOUTHWEST

Houston, TX
Dallas, TX
El Paso, TX
Plano, TX
Carrollton, TX
New Orleans, LA

NORTH

Chicago, IL
Milwaukee, WI
Indianapolis, IN

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Mid-America Packaging is environmentally conscious and prides itself in being at the forefront of compliance with current governmental regulatory guidelines. Our concern for the environment and worker safety is our highest priority.

All sales are strictly limited to the terms and conditions found on Mid-America Packaging acknowledgment, including a limited warranty and limitations on Mid-America Packaging's liabilities and buyer's remedies.

All orders are subject to acceptance by Mid-America Packaging at its headquarters currently located at 4800 Miami, St. Louis, MO 63116

Connect with us:



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Manufacturing Together®***