

Matrix™ Crossweb® Package and Film Labelers



The latest in innovative, high-speed labeling equipment for rollstock packaging machines



KOCH
EQUIPMENT



Reduce labor costs. Increase label placement accuracy.

One Chance to Make A Good First Impression

Product appearance and presentation make the first sale. Taste and value determine repeat customers. So your packaging needs to be attractive and eye catching to set your product apart from the competition.



The Matrix™ Crossweb® Package and Film Labelers from Koch Equipment help maximize your product's visual impact and appeal by applying virtually any size pressure sensitive label to practically any surface of your rollstock package with unmatched speed and precision.



Matrix™ in Your Future

Matrix™ Labelers are probably in your future if the production goals below look familiar:

- Increase labeling speed and accuracy
- Reduce direct labor costs
- Improve sanitation and hygiene
- Minimize inspection and maintenance costs



Whether you are labeling package tops or bottoms or either side of the top film before sealing, Matrix™ is the cost effective solution.

Matrix™ top or bottom package labelers are designed to be easily mounted on the extended discharge area of virtually any new or existing form, fill and seal machine with web widths from 320 to 820 millimeters. Where an extended discharge area is not available, the Matrix™ film labeler, handling web widths up to 1020 millimeters, can be mounted directly to the packaging machine's control cabinet near the film unwind station. In this configuration, labels are applied directly to the inside or outside of the top web, non-forming film before entering the sealing station.



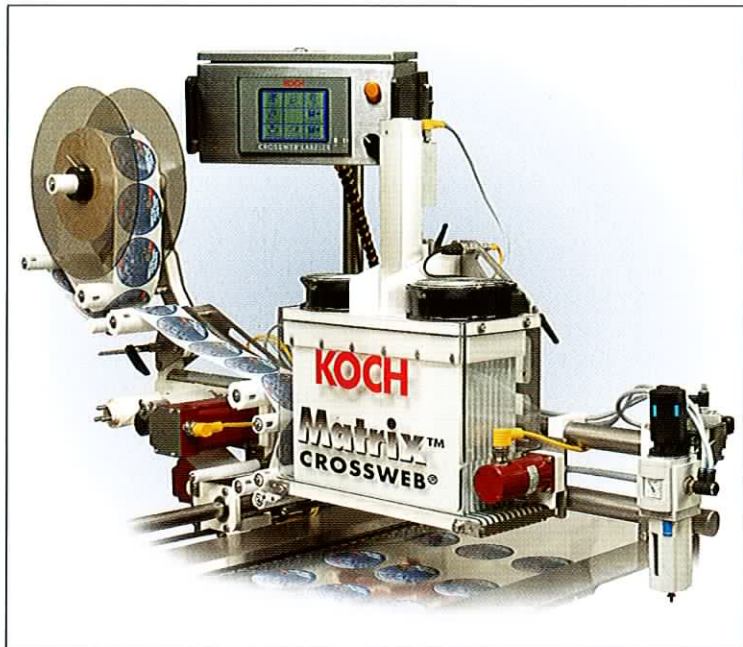
Professionally designed and accurately applied, labels can enhance the appeal of practically any product. Matrix™ labelers can handle pressure sensitive labels of almost any substrate, from simple black and white nutrition labels, to 8-color labels, to clear labels or those featuring foil embossing and die-cut shapes. The Matrix™ simultaneously applies labels to all tracks, row by row, of multiple-package die configurations.

Because of their superior, leading edge design, manufacturing quality and operational dependability, Koch Crossweb® package and film labelers are installed on more rollstock machines in North America than any other brand. Owners of Colimatic®, Curwood®, DixieVac, Harpak/ Hooper Engineering, Ilpra, Mahaffy & Harder, Mecaplastic, Multivac®, Prime, RapidPak, Repak, Rollstock Inc., Ross, Tiromat®, Ulma, VC999®, Variovac® or Webomatic form/fill/seal machines are among the many enjoying the production benefits of Koch labelers.



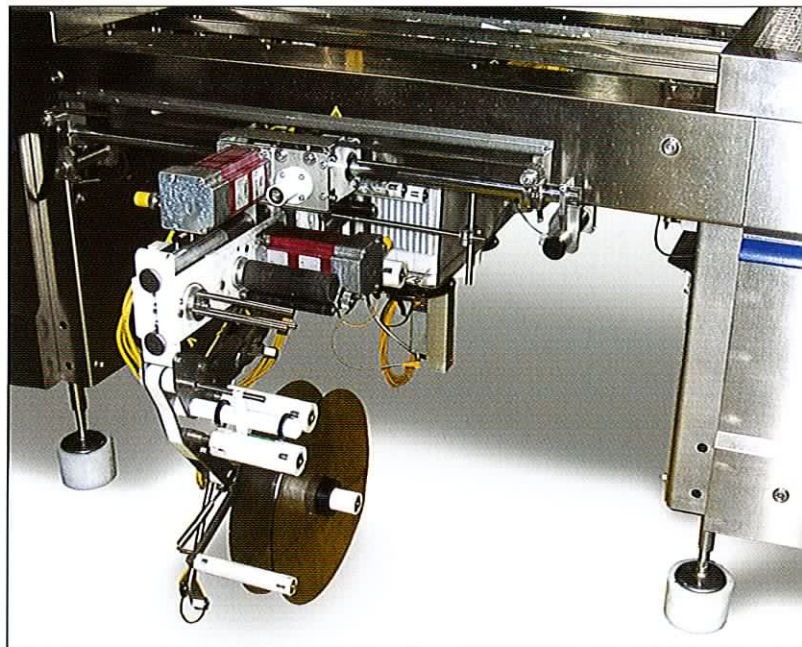
Meet hygiene and sanitation requirements • Minimize maintenance

The Matrix™ Crossweb®



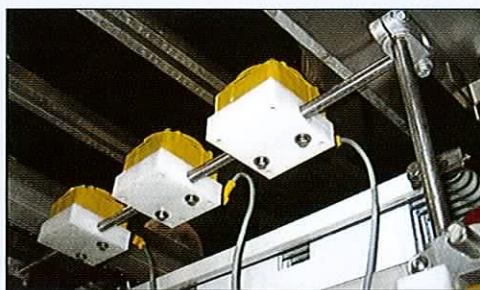
Model PT Package Top Labeler

The Matrix™ Crossweb® PT Labeler mounts on top of the packaging machine's discharge extension. Labels are rapidly distributed perpendicular to the machine production flow up to a maximum of 24 tracks and accurately applied to the top of packages after they index out of the sealing die. Matrix™ can apply up to 12 rows of labels across all tracks each cycle.



Model PB Package Bottom Labeler

The Matrix™ Crossweb® Model PB Labeler mounts on the underside of the discharge extension. Labels rapidly travel across the machine flow up to 24 tracks and are accurately applied to the bottom of packages after they index out of the sealing die. Matrix™ can apply up to 12 rows of labels each cycle. Ideal for nutritional labeling or product preparation information.



Patented Empty Package Detection System

Save significant production costs annually with this unique optional sensor system that prevents label application to empty packages, thereby reducing jams, production downtime and their associated costs.



Increase costs, improve efficiencies and increase production

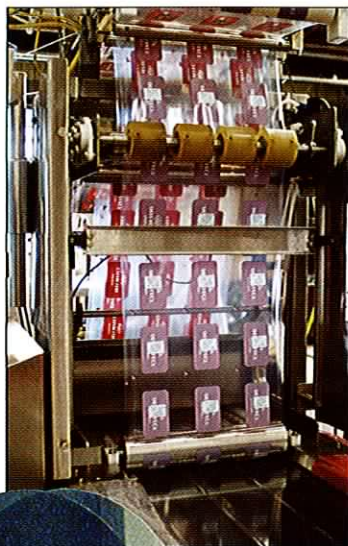
Package Labeler Family

Model FR Film Labeler

Easily retrofittable onto virtually any brand of rollstock packaging machine. Does not require the addition of a discharge extension.

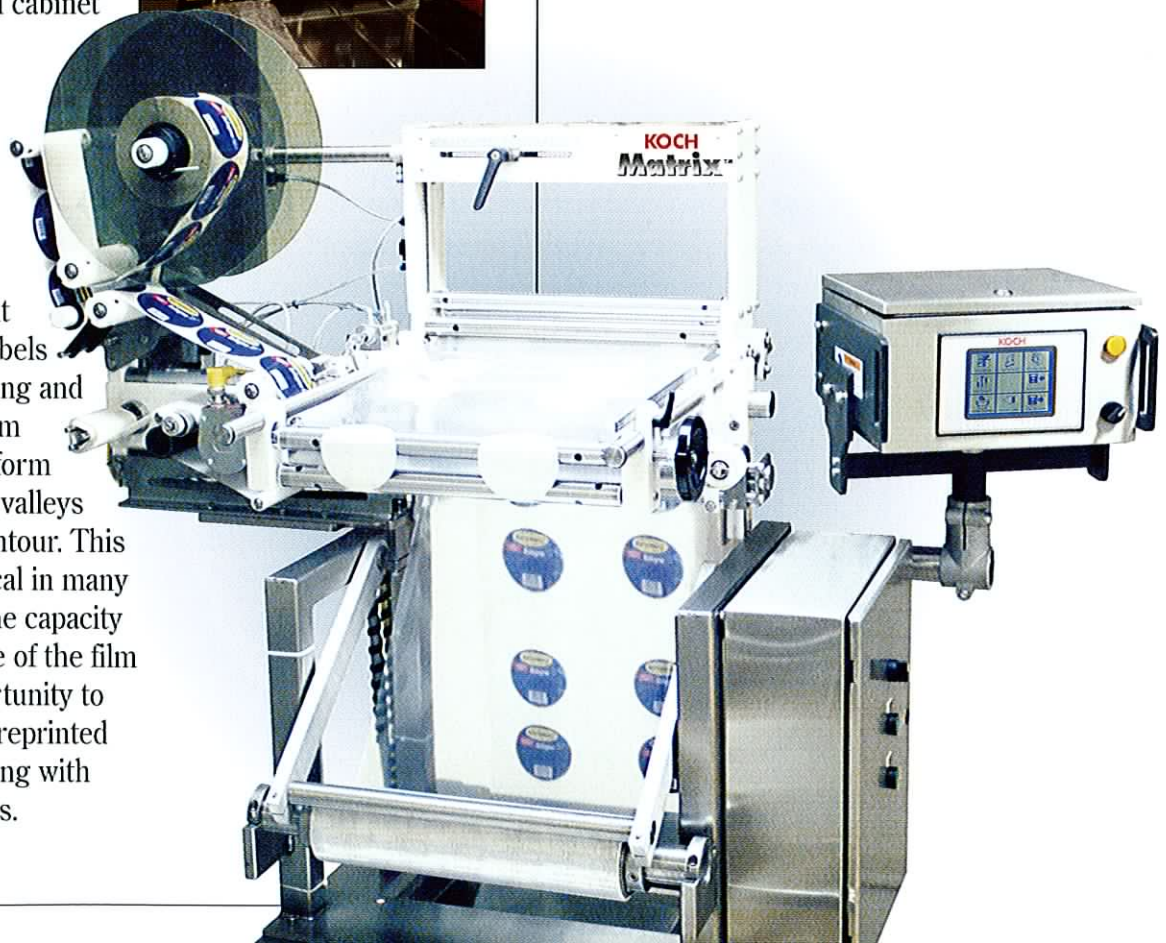
The Matrix™ Crossweb® Model FR Labeler mounts to the top of the rollstock machine's control cabinet where it does not alter the footprint dimensions of the machine.

Matrix™ Model FR applies labels to the inside or outside of the top non-forming web shortly after it comes off the roll. Since labels are applied before evacuating and sealing, the finished vacuum package and label can conform perfectly to any peaks and valleys of the product's natural contour. This intimate contour fit is critical in many applications. In addition, the capacity to apply labels to the inside of the film gives processors the opportunity to apply scavengers behind preprinted labels thereby not interfering with package graphic treatments.



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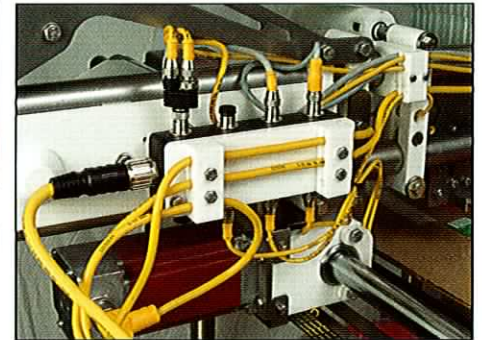
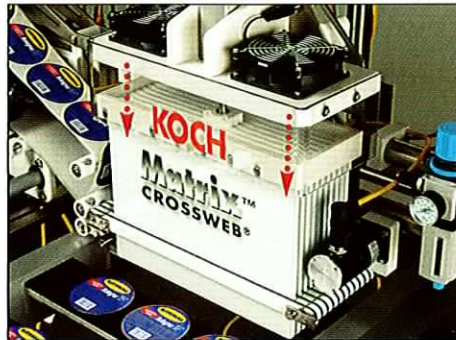
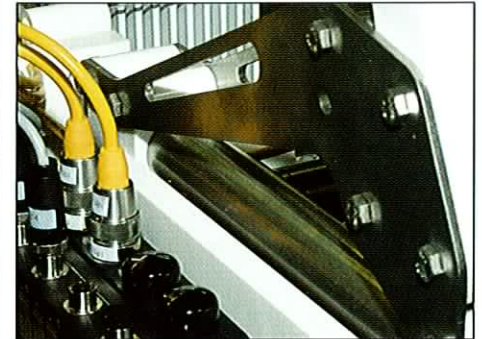
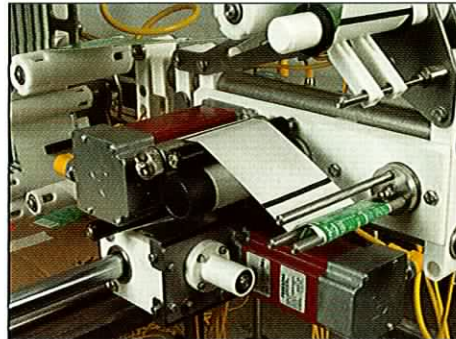
Matrix™
CROSSWEB®





Matrix™ Innovation in Packaging Precision

Matrix™ is the state of the art in package and film labeling equipment. It has been designed and engineered to exceed the AMI Sanitary Machine Design Criteria and has received a US Patent for Enhanced Sanitary Design. Delivering label placement accuracy to plus or minus one-half millimeter, Matrix™ with its many innovative and patented features will deliver meaningful production benefits and cost savings to all packagers.



Increase Labeling Speed Up to 33%

Higher torque stepper motors and a unique vertically adjustable tamp head unit minimize travel times to increase the speed of the Matrix™ by as much as 33% compared to previous across the web labeling machines.

All Surfaces Visible

Unique open design of the Matrix™ with minimal enclosed spaces or mating surfaces reduces microbial buildup. Sets a new standard for cleanability and visual inspection.

Wash Down Dependability

All stepper motors, fans, sensors and the control cabinet (with built in heater for humidity control) are built to NEMA-4 specifications.

Corrosion Resistant & Non-absorbent Materials

Matrix™ is manufactured from corrosion resistant stainless steel and non-absorbent PET-P and Delrin components machined and assembled with rounded and angled surfaces to promote complete water runoff as well as chemical and abrasion resistance.

Easy to Understand, Simple to Operate

The Matrix™ programmable touch screen control panel features simple to use graphic menus and icons that are suitable for both English and non-English speaking workforces. All label placement parameters and

procedures are easily entered and up to 24 pre-set programs can be stored.

Quick and Easy Wiring and Component Access

All wiring harness cables are readily available for quick and easy maintenance access or replacement. Cables are fully supported and separated with custom looms and fitted with quick release connectors. Drive heads, tamp units and motors are easily removed.



Matrix™

INNOVATIVE, HIGH PRODUCTION PACKAGE AND FILM LABELING

Matrix™ Crossweb® Package and Film Labeler

Programmable Touchscreen Controls

The heart of the Matrix™ is in its programmable logic controls. Featuring graphic menus and intuitive icons the Matrix™ touchscreen controls are simple to use and easily understood regardless of operator language. It's built to NEMA-4 standards for dependable operation in wash down environments.

Features:

- 5A-75VDC all interchangeable, microstepper drives
- Main computer programming in C++ for quick operation
- Instantaneous editing and file loading
- RS485 communications to host control for remote program loading
- 24 labeling program storage capacity
- 320 x 240 backlit touchscreen
- Multi-level password protection
- Touch screen lockout / cleaning mode
- Simple maintenance screen for testing and troubleshooting
- Built-in heater to control internal cabinet humidity



Discover how your labeling problems can quickly become labeling solutions, contact a Koch Equipment labeling specialist today

Optional Labeler Features:

- Clear label detection system
- Empty package detection system
- Special head to head software
- Higher torque motors
- End of label supply warning light
- Oversize label widths up to 195mm
- Oversize label reels
- Quick release take up spindles
- Pneumatic press-on assist device for non-symmetrical positioning applications
- Application specific spare parts kits

Printer Options:

- Reciprocating ink
- Thermal transfer
- Hot foil

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