

Auxiliary Equipment



- Decurler**
- Free-standing unit removes curl from paperboard and other webs
 - Constant path length design does not affect print-to-cut register

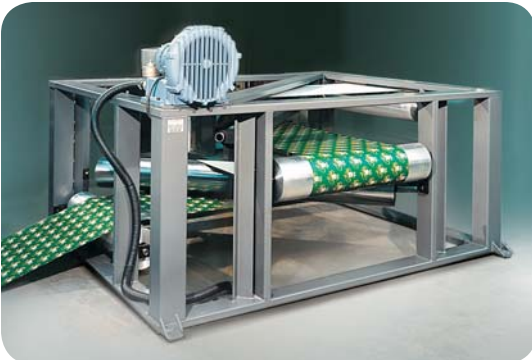
Constant Tension Systems

- Infeed, outfeed and dancer systems for all web processes
- Patented inertia compensation design for accurate tension control



Web handling and inertia compensation

Web tension upsets between a roll and the process may be caused by braking of the running roll, splicing action, acceleration of the new roll after splicing, and out-of-roundness or imbalance in the roll. A dancer system using the principle of inertia compensation effectively absorbs tension upsets and delivers constant web tension to the process. Inertia compensation is achieved by engineering the system components to balance the translational (up and down dancer motion) and rotational (rotating dancer motion) inertias. *Martin Automatic applies this patented principle in all our tension control and splicing equipment.*



Turnbars

- Air-flotation turnbars for turning webs over or at an angle to the process

Unwinds and Rewinds

- Non-splicing unwind and rewind systems



Web Guides

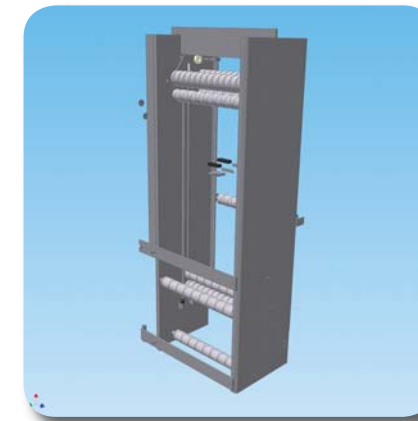
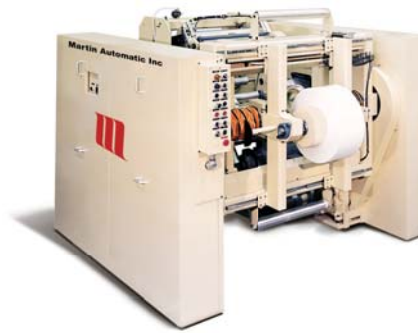
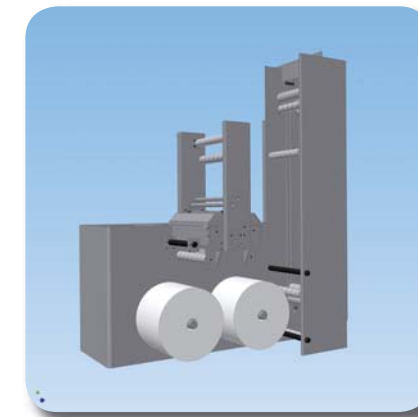
Martin Automatic is recognized as a leading designer and manufacturer of web handling equipment for the printing, packaging, converting and other industries. An engineering intensive company, Martin develops innovative products distinguished by their design simplicity and reliability. The equipment shown here represents just a few of the web handling solutions Martin has introduced. With nearly 8,000 installations in more than 50 countries, Martin has defined the highest standard of performance and dependability—worldwide.

What sets Martin Automatic apart from other machinery builders is the expertise we bring to your web handling challenge. Our commitment to solid engineering principles, combined with our experience in thousands of web processing applications, uniquely qualifies Martin to provide better solutions for the most ambitious and demanding challenges.

And Martin Automatic supports our customers with a commitment to ongoing service, engineering assistance and timely technical help.

*We invite you to put our resources to work for you. We do more than just build machines. **Martin Engineers Solutions.***

Custom engineered systems



More than Machines... Martin Engineers Solutions

Web handling expertise in automatic unwinds, rewinds and tension control systems



Martin Automatic Inc Winders • Unwinds • Tension Control Systems

www.martinautomatic.com

Martin Automatic Inc 1661 Northrock Court Rockford, Illinois 61103 tel 815.654.4800 fax 815.654.4810
Martin Automatic Europe GmbH Sonnenbergstrasse 73 D-74626 Bretzfeld-Dimbach Germany tel +49.7946.942.881 fax +49.7946.942.396
Martin Automatic Asia-Pacific 3F, No 8, Lane 6, Hsintung Street Taipei, Taiwan 105 tel +886.2.27609886 fax +886.2.27609887

Martin Automatic Inc
Martin Engineers Solutions

Automatic Transfer Rewinds



STR Turret Rewind

- Compact automatic turret for label converting and narrow web applications
- Integrated web guide and lay-on roller for high quality rolls



LRD Transfer Rewind

- Two-spindle automatic winder for label, flexible packaging and narrow to mid-web processes
- Automatic roll unloading
- Versatile design for slitting, winding and roll handling



TR Transfer Rewind

- Heavy-duty turret design for high-speed processes
- Independent turret arms for variable web widths



RMAP Transfer Rewind

- Shafted non-stop winder
- Unique in-line design for safety and performance
- Wide range of substrates, from nonwovens and films to paperboard

Reducing waste, increasing profit
Martin's consultative approach is simple:
Help producers identify and eliminate sources of waste. A process that is stopped represents wasted productivity. Stopping and starting for manual roll changes causes wasted material. Core waste represents real dollars lost to the landfill that could have been profitable product. Poor web tension control leads to wasted production and expensive rework. *Automatic roll changing and web handling solutions convert waste into profit by substantially eliminating waste, reducing downtime and maximizing productivity.*



Automatic Splicing Unwinds

STS Splicer

- Compact splicer for label, packaging and narrow web applications
- Taped butt, taped overlap and tapeless (heatseal) splicing



MBEC Butt Splicer

- Cantilevered splicer for narrow web converting
- Reliable, patented rolling shear splice unit



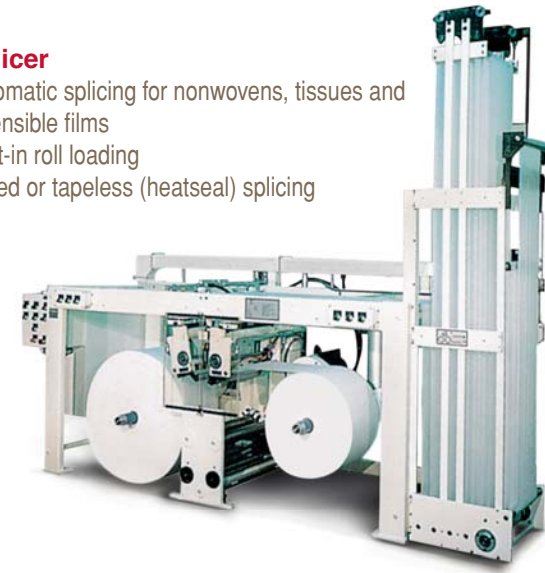
MBS Butt Splicer

- Non-stop unwinding for label converting, flexible packaging and narrow web applications
- Built-in roll loading
- Versatile design for films, laminates, paperboard and other materials



CHW Splicer

- Automatic splicing for nonwovens, tissues and extensible films
- Built-in roll loading
- Taped or tapeless (heatseal) splicing



CHW Wide Web Splicer

- Cantilevered splicer for films and nonwovens
- Built-in roll loading and ergonomic splice preparation
- Taped or tapeless (heatseal) splicing



THW Splicer

- Automatic splicing of both spooled and flat wound rolls
- Designed for narrow nonwoven, film, laminate and foam webs



NCHW Splicer

- Versatile configurations to fit most applications
- Taped or tapeless (heatseal) splicing



What is a tapeless heatseal splice?

A heatseal splice joins the end of an expiring roll to the beginning of another without the need for adhesive. The webs must be thermo-bondable, or able to bond together when heated. In a heatseal overlap splice, the two webs are brought together, one over the top of the other. The webs are clamped between heating elements, causing the material to fuse together. A short length of web, or "tail," is left when the expiring web is cut, either with a mechanical knife or a hot wire. In a heatseal butt splice, the two webs are fused so as to present no leading or trailing edge tail. A Martin Automatic splicer will perform either heatseal splicing function without slowing or stopping the process.

What is a taped overlap splice?

An overlap, or "lap," splice joins the end of an expiring roll to the beginning of another. The two webs are brought together, one over the top of the other, with a thin adhesive tape between the two. A short length of web, or "tail," results when the expiring web is cut. A Martin Automatic lap splicer performs this splicing function without slowing or stopping the process.

MCB Butt Splicer

- Mid-width splicer for paperboard and other stocks
- Built-in roll loading for safe handling of heavy, large diameter rolls



MBX Butt Splicer

- Automatic splicing for narrow to mid-width processes
- Built-in roll loading for safe handling of larger diameter rolls
- Reliable, patented rolling shear splice unit



ECPLT Splicer

- Non-stop splicing for high-speed, low-tension applications
- Web widths to 4 meters/160 inches
- Taped overlap or tapeless (heatseal) lap and butt splice units



ECP Lap Splicer

- Popular roll-over-roll model for paper and lightweight substrates
- Ultra-reliable components and controls
- Versatile design for films, nonwovens and other stocks



MCB Wide Web Butt Splicer

- Heavy-duty splicer for wide paperboard processes
- Martin roll handling and loading system
- Reliable, patented rolling shear splice unit

MTB Butt Splicer

- Automatic splicing for paperboard and other heavy stocks
- Roll-loading by rugged Martin turret unwind



What is zero-speed splicing?

Zero-speed splicing joins the end of an expiring roll to the beginning of another with both webs stationary. The process is supplied with web from an accumulator, or festoon. This festoon stores enough web to keep the process running at full speed during the splicing function. Zero-speed splicing is the most reliable method of joining webs, especially if rolls are soft or irregularly shaped, and is essential for accurate butt splicing and heatseal splicing.

MAS Series Splicer

- Heavy-duty splicer for very wide and large diameter rolls
- Martin roll handling and loading system with in-aisle splice preparation
- Taped butt, taped overlap and tapeless (heatseal) splicing

