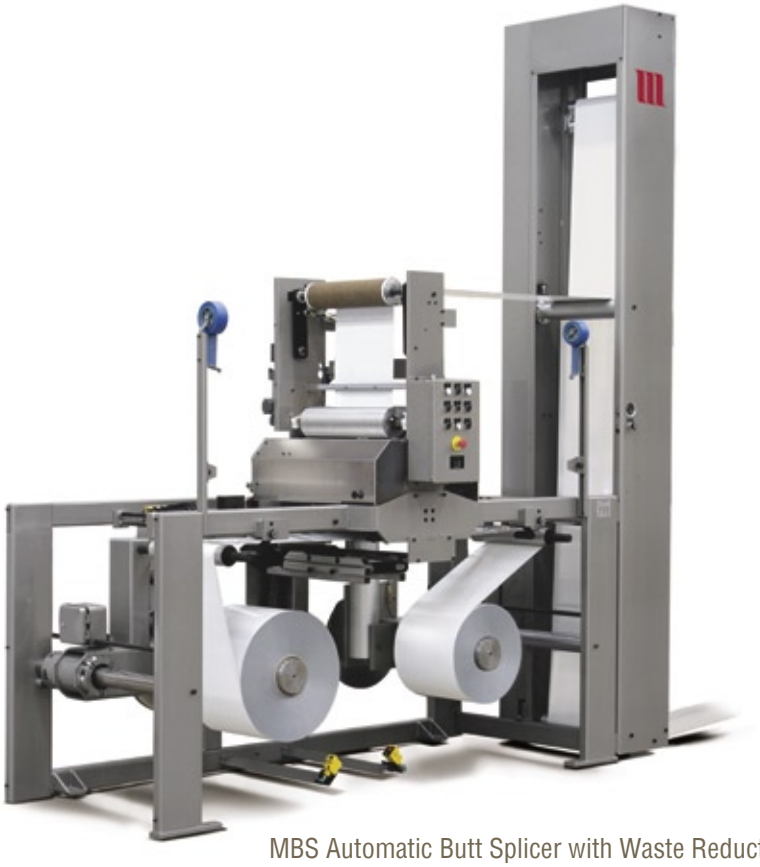
Martin Model MBS Automatic Butt Splicer

Non-stop unwinding for label converting, flexible packaging and narrow web applications



MBS Automatic Butt Splicer with Waste Reduction System

Martin MBS Butt Splicer Offers:

- Versatile design for films, laminates, light paperboard and other materials
- Patented lift-and-load roll loading
- Capacity for two full-diameter rolls at any time
- Reliable, patented rolling shear splice unit for clean cut-off and tight splices
- Angled butt splice taped both sides
- Switch-actuated pneumatic spindles
- Bi-directional unwind capability
- Automatic roll sidelay
- Martin inertia-compensated tension control system

Optional Features:

- Waste Reduction System
- Splice unit and spindle diagnostic package
- Hazardous environment provisions
- Dual unwind capability with two-web tension control
- In-register splicing for pre-printed or pre-processed webs
  - Machine-direction splice accuracy to +/- .031 IN (.79 MM)
  - Precision splice preparation and alignment system
  - Enhanced mark/pattern recognition
- Soft tension control package for film webs
- Portability package

*Typical Specifications**

Maximum Splicing Speed	to 1000 FPM	305 MPM
Maximum Web Width	to 26 IN	660 MM
Maximum Roll Diameter	to 50 IN	1270 MM

Utility Requirements

Pneumatic	80 PSI (5.5 ATM) compressed air
Electrical	Single phase Three phase

* As with all Martin products, this model is application-engineered to the process. Consult Martin Automatic Inc for more information.

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The benefits of automatic splicing add up to significantly increased productivity, greater quality control and reduced waste. The MBS applies these benefits to label converting, flexible packaging and narrow web applications.

The MBS is engineered for versatility, combining simplicity and reliability with feature flexibility. Design features of the MBS include:

- Reliable rolling shear splice unit. This patented butt splice unit simultaneously severs the web and irons tape across the splice, producing a tight bond. The **precision shear wheel and anvil mechanism** guarantees a clean cut and no overlap. A second rotary nip applies tape to the backside of the splice.

- Lift-and-load. A patented, built-in roll handling system lifts rolls up to 1500 LBS/680 KGS from the aisle, without the need for auxiliary roll loading equipment.

- Automatic sidelay. This feature maintains the alignment of the running web to the prepared web in the splice unit. A **sensor (ultrasonic shown here with a clear film)** monitors the position of the running web, and the automatic sidelay system compensates to insure that the webs are aligned at the time of a splice.

- Inertia compensated tension control. The festoon features Martin's inertia compensation technology for consistent, accurate tensioning of the web as it enters the process.

- Automatic splice initiation. The MBS monitors the diameter of the running roll and automatically makes a roll change at a pre-set diameter. Alternatively, the tail grabbing function initiates a splice as material separates from the core for maximum material usage and minimum waste.

- Soft tension features. The MBS can be equipped to handle a wide range of materials, including delicate film webs. **Driven unwind packages** are available for lightweight stocks requiring very low tension levels and strictest tension accuracy.

Dimensions shown are representative of standard model MBS 05-16-40 and are for planning purposes only.

Martin Automatic Inc High Performance Splicing, Rewinding and Tension Control Systems

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