

Martin Model **MBE** Automatic Butt Splicer



Non-stop roll changing
for envelope converting

MBE-IR Automatic Butt Splicing Unwind with in-register splicing, filter dancer and proportional decurler

Martin **MBE** Butt Splicer Offers:

- 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
- Splice positioning system for placing splices within downstream target area
- Switch-actuated pneumatic spindles
- Bi-directional unwind capability
- Automatic roll sidelay
- Martin inertia-compensated tension control system

Optional Features:

- Splice unit and spindle diagnostic package
- Integrated isolation filter dancer
- In-register splicing for pre-printed or pre-processed webs
- Automatic proportional drag bar decurler

*Typical Specifications**

Maximum Splicing Speed	to 1500 FPM	457 MPM
Maximum Web Width	to 26 IN	660 MM
Maximum Roll Diameter	to 60 IN	1524 MM

Utility Requirements

Pneumatic	80 PSI (5.5 ATM) compressed air
Electrical	Single phase (non accelerated machines) Three phase for motor accelerated machines.

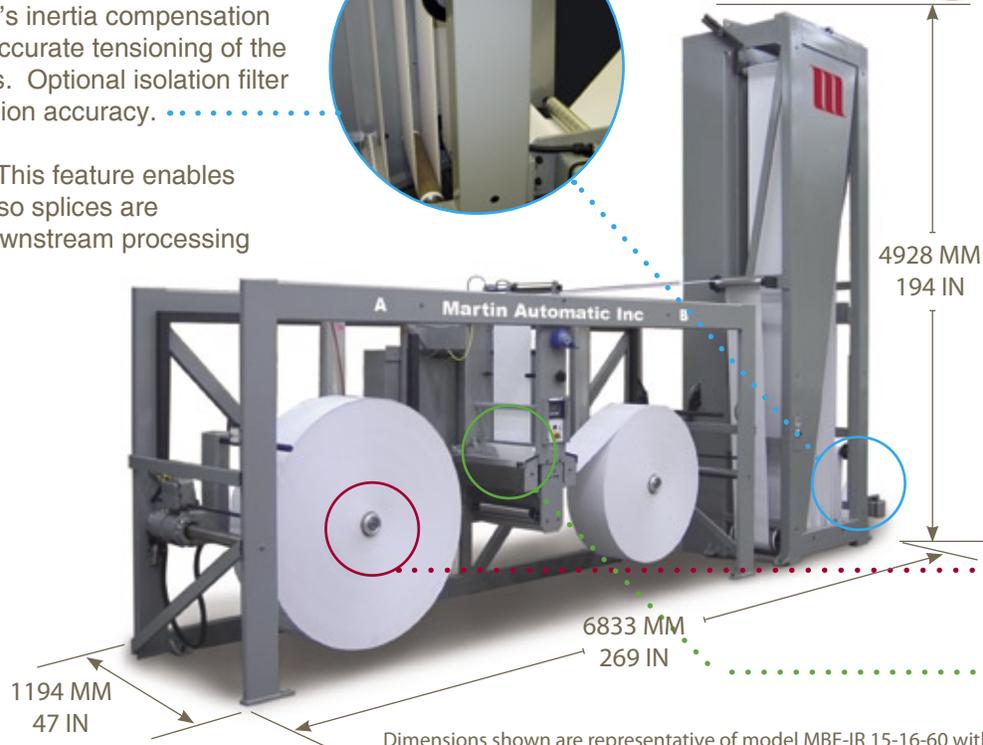
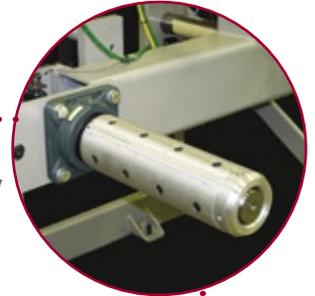
* As with all Martin products, this model is application-engineered to the process. Consult Martin Automatic Inc for more information.



Martin Model MBE Automatic Butt Splicer

The MBE is engineered to meet the demanding production requirements of envelope converting, combining high-performance with rugged reliability and feature flexibility. Design features of the MBE 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.
- **Lift-and-load.** A patented, built-in roll handling system lifts rolls 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 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.
- **Easy core chucking.** The MBE uses switch-actuated pneumatic spindles, with adapters for alternate core diameters.
- **Automatic splice initiation.** The MBE monitors the diameter of the running roll and automatically makes a roll change at a pre-set diameter.
- **Inertia compensated tension control.** The festoon features Martin's inertia compensation technology for consistent, accurate tensioning of the web as it enters the process. Optional isolation filter dancer provides infeed tension accuracy.
- **Splice positioning system.** This feature enables the MBE to make transfers so splices are accurately positioned for downstream processing or in relation to a cutter.



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

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