

Martin Model **MBX** Automatic Butt Splicer



Non-stop roll changing
for narrow to mid-web
paperboard processes

Martin **MBX** 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
- Angled butt splice taped both sides
- Bi-directional unwind capability
- Automatic roll sidelay
- Martin inertia-compensated tension control system

Optional Features:

- Switch-actuated pneumatic spindles
- Splice unit and spindle diagnostic package
- Hazardous environment provisions
- In-register splicing for preprinted or pre-processed webs
- Multi-substrate tension control packages for board, film and other materials

Typical Specifications*

Maximum Splicing Speed	to 1200 FPM	366 MPM
Maximum Web Width	to 33 IN	838 MM
Maximum Roll Diameter	to 72 IN	1828 MM

Utility Requirements

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

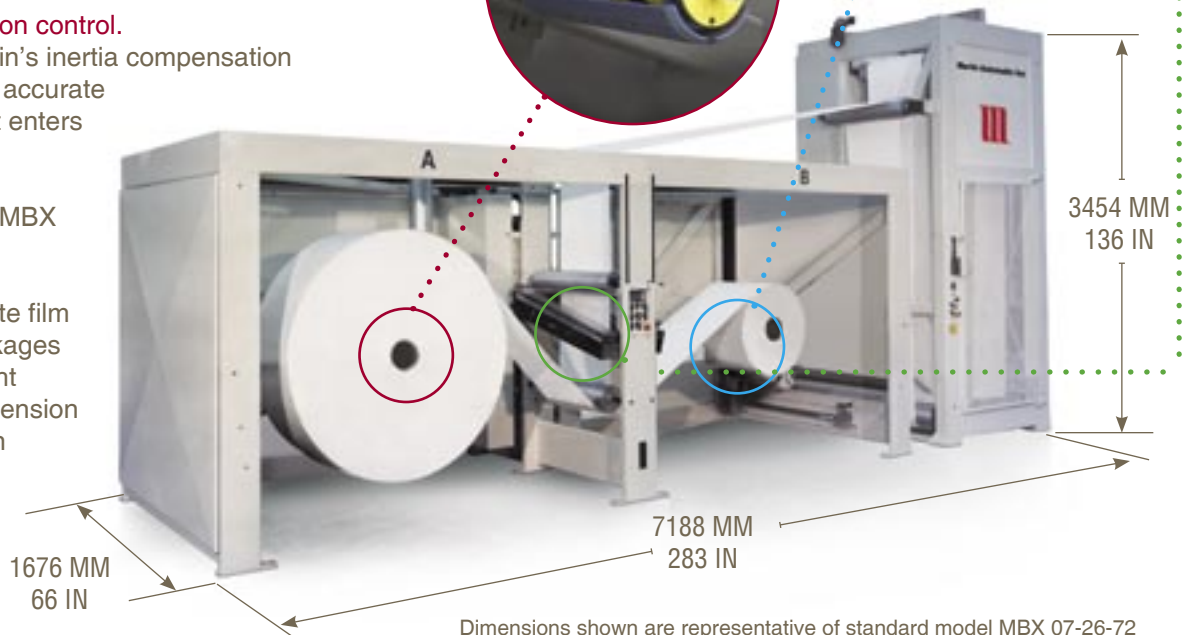
* As with all Martin products, this model is application-engineered to the process. Consult Martin Automatic Inc for more information.



Martin Model MBX Automatic Butt Splicer

The MBX is engineered to meet demanding production requirements, combining rugged reliability with feature flexibility. Design features of the MBX 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.
- **Cantilevered unwind.** Unlike traditional end-loading turrets, the side-loading design encloses the rolls safely near floor level and gives the operator an unobstructed view of the process line while loading a roll or preparing a splice.
- **Lift-and-load.** A patented, built-in roll handling system lifts rolls up to 3800 LBS/8375 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 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 MBX can be supplied with low-maintenance mechanical spindles or switch-actuated pneumatic spindles and adaptors for alternate core diameters.
- **Inertia compensated tension control.** The festoon features Martin's inertia compensation technology for consistent, accurate tensioning of the web as it enters the process.
- **Soft tension features.** The MBX platform 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 MBX 07-26-72 and are for planning purposes only.

Martin Automatic Inc High Performance Splicing, Rewinding and 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 P.O. Box 87-781, Taipei, Taiwan 105 tel +886.2.27609886 fax +886.2.27609887