

Martin Model **MTB** Automatic Butt Splicer

The Martin model **MTB** splicer is ideal for a wide range of rigid materials including paper, paperboard and laminates for use in applications such as folding carton and liquid packaging. In its typical configuration, the MTB consists of a splice unit, web storage festoon and two-position turret unwind.

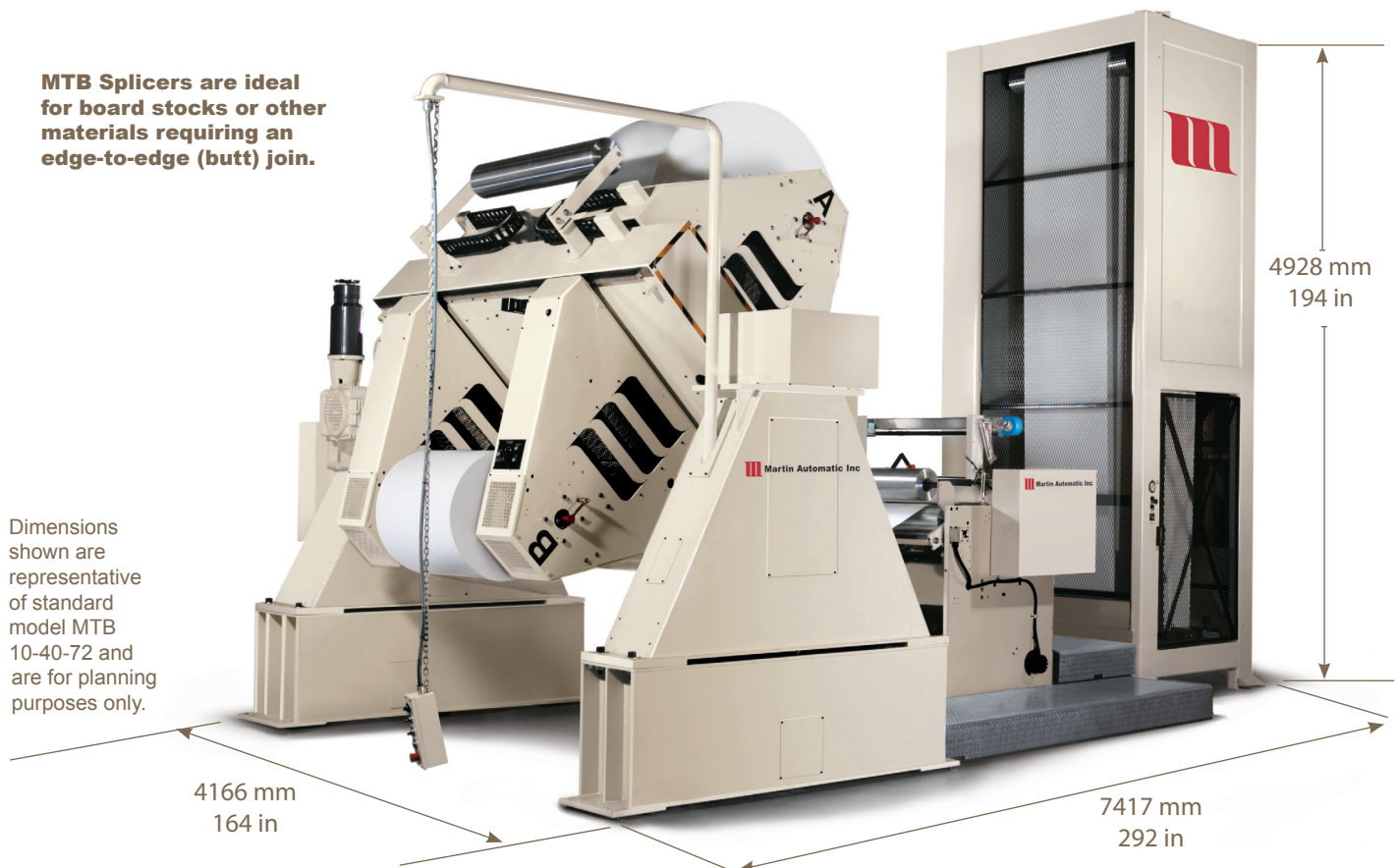
An inertia-compensated festoon, or accumulator, feeds web at full process speed during the zero-speed splice cycle. During unwinding, the festoon provides consistent web tension and automatic brake control of the running roll.

The MTB splice unit is designed for maximum accessibility, making splice preparation easy and ergonomic. This splicer makes an angled end-to-end butt splice with tape on one or both sides of the web. With both the new and expired webs stationary, the patented splicing head simultaneously shears the expired web and applies tape at high pressure along the splice. The resulting splice has an extremely strong bond for maximum splice success.

A Martin turret unwind stand completes the MTB package. The turret holds two full rolls, and the arms are independently adjustable, so an operator can load a roll of a different width from the running roll. The turret will unwind rolls in either direction and will automatically control lateral roll position to assure a properly aligned splice. (Most existing turret unwind stands can be adapted to work with the MTB splice unit and festoon.)

MTB Splicers are ideal for board stocks or other materials requiring an edge-to-edge (butt) join.

Dimensions shown are representative of standard model MTB 10-40-72 and are for planning purposes only.



High Performance Splicing, Rewinding and Tension Control Systems

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Martin Model **MTB** Automatic Butt Splicer

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



Martin **MTB** Butt Splicer Offers:

- Automatic web tension control
- Automatic splicing on pushbutton initiation
- Ability to load two full rolls
- Operator- and gear-side chucks that extend and retract independently for easy roll loading and unloading
- Independently adjustable turret arms for variable roll-width capability
- Automatic motorized roll sidelay adjustment
- Elastomer chuck or pneumatically actuated mechanical chucks for 12-inch cores
- Martin-designed air-cooled, high-torque disc brakes
- Automatic safety shutdown when rotating roll contacts non-movable object
- Martin-supplied interconnect wiring and plumbing between MTB sections

Optional Features:

- Electronic splice initiation at operator-selected core diameter (typically for folding carton applications)
- Tailgrabbing splice initiation as web runs off the core (typically for virgin stocks or liquid packaging applications)
- Automatic splicing in register (to preprinted marks or process targets)
- Alternative core chuck sizes and adaptors
- Martin brake control retrofit (enables MTB splice unit and festoon to work with existing turret unwind)

Typical Specifications*

Maximum Splicing Speed *	2000 fpm	457 mpm
Maximum Web Width	67 in	1702 mm
Maximum Roll Weight	8000 lbs	3628 KG

Utility Requirements

Pneumatic	80 psi (5 ATM) compressed air
Electrical	Three phase (per customer)

* As with all Martin products, the MTB is application-engineered to your process. Contact Martin Automatic Inc for more information.