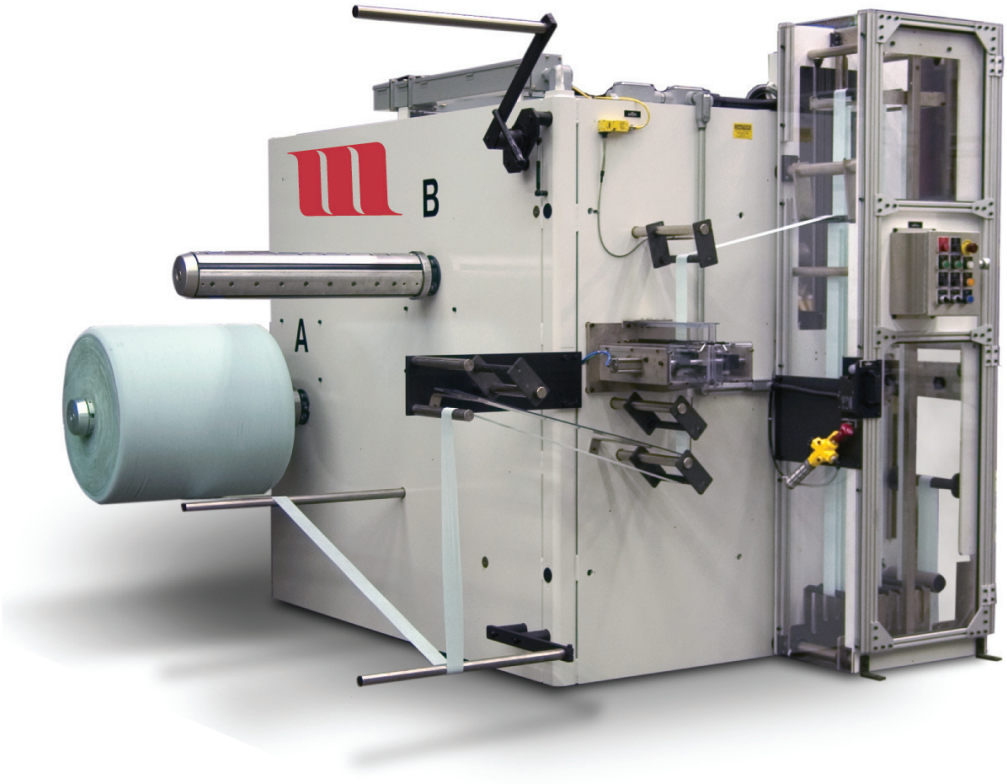
Martin Model TMSL Shear-Cut Automatic Splicer

Continuous production and enhanced web handling for light webs



* "Staggered" design shown

Martin TMSL Shear-Cut Splicer Offers:

- Freestanding construction with fixed cantilevered unwind spindles ("staggered" or "roll-over-roll" configurations available), splice unit, accumulator and controls
- Martin's shear lap (MSL) splice unit w/guillotine cut-off knife and anvil
- Martin's *inertia-compensated* tension-control system providing web storage for splice and tension
- Unwind control package

*Typical Specifications**

Maximum Splicing Speed	per application			
Maximum Roll Width	36	IN	914	MM
Maximum Web Width	6	IN	152	MM
Maximum Roll Diameter	54	IN	1372	MM
Maximum Roll Weight	per application			
Core Inside Diameter	6, 6.25, 6.5 or 6.75	IN	152, 159, 165 or 171	MM
Tension Range	per application			
Tension Accuracy	± 1/4	LBS	± 1.1	N
Hand	LH or RH			

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.

Martin Automatic Inc
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The TMSL is designed to run level wound style rolls or narrow cookie style rolls. The TMSL is a freestanding machine integrating all the mechanical and control systems. The design includes a steel skid which allows for quick, simple “drop in” installation. The machine spindles can be configured in two styles, staggered or roll over roll..

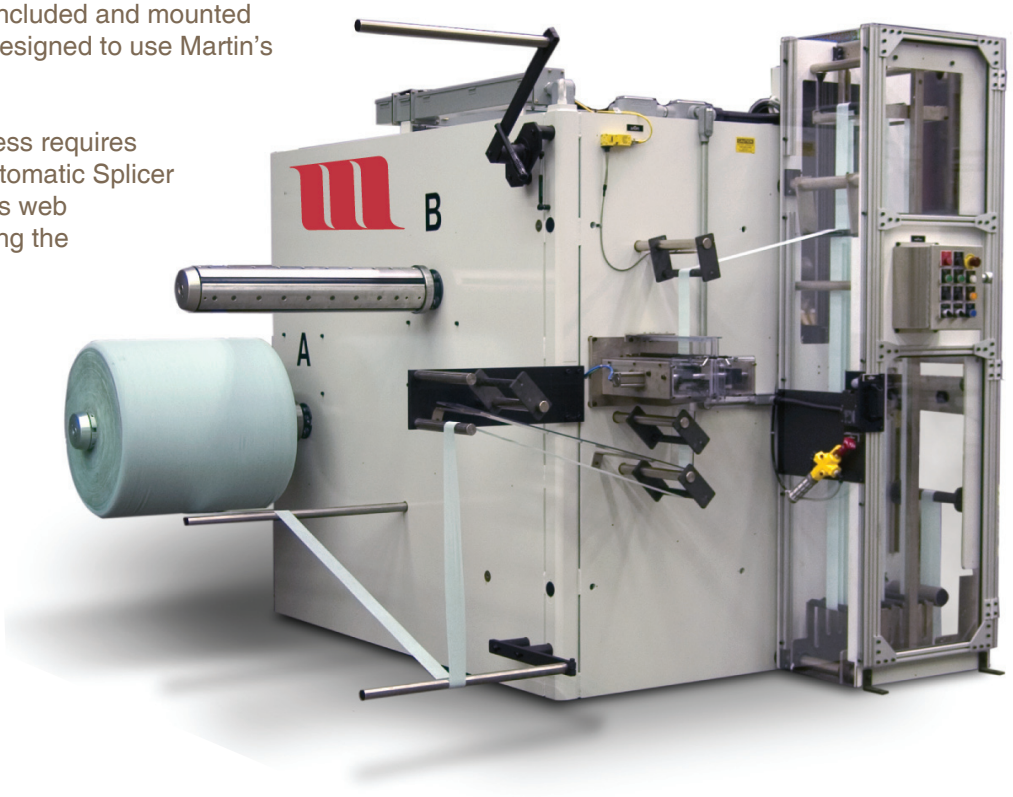
Rolls are supported on pneumatic spindles, spindle inflation is automatic. The point guarded spindle drive assemblies utilize timing belts between spindle and drive system.

The TMSL utilizes the MSL splice unit, a cantilevered unit housing a knife and anvil cut-off system compatible with most web materials. The MSL makes a zero speed splice, the most reliable method of joining webs, especially if webs are soft or rolls are irregular in shape. The standard MSL is completely self-contained, requiring no interlocks or additional guarding. Only compressed air and two valves are required to operate the unit.

The splicer uses an accumulator, or festoon, to provide web to the process during the zero-speed splice sequence. The festoon features Martin’s patented inertia-compensated tension control system, providing superior control of web tension and isolating tension upsets from the process. Web tension is adjustable and accurately maintained via Martin’s pneumatic control system. The festoon incorporates an guard package that includes an interlocked access door for thread-up and maintenance.

All controls necessary for operation are included and mounted within unwind framework. The TMSL is designed to use Martin’s standard unwind control package.

Profitable operation of a converting process requires flexibility and optimization. The TMSL Automatic Splicer satisfies these requirements. Let Martin’s web handling experience assist you in selecting the ideal equipment for your application.



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

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