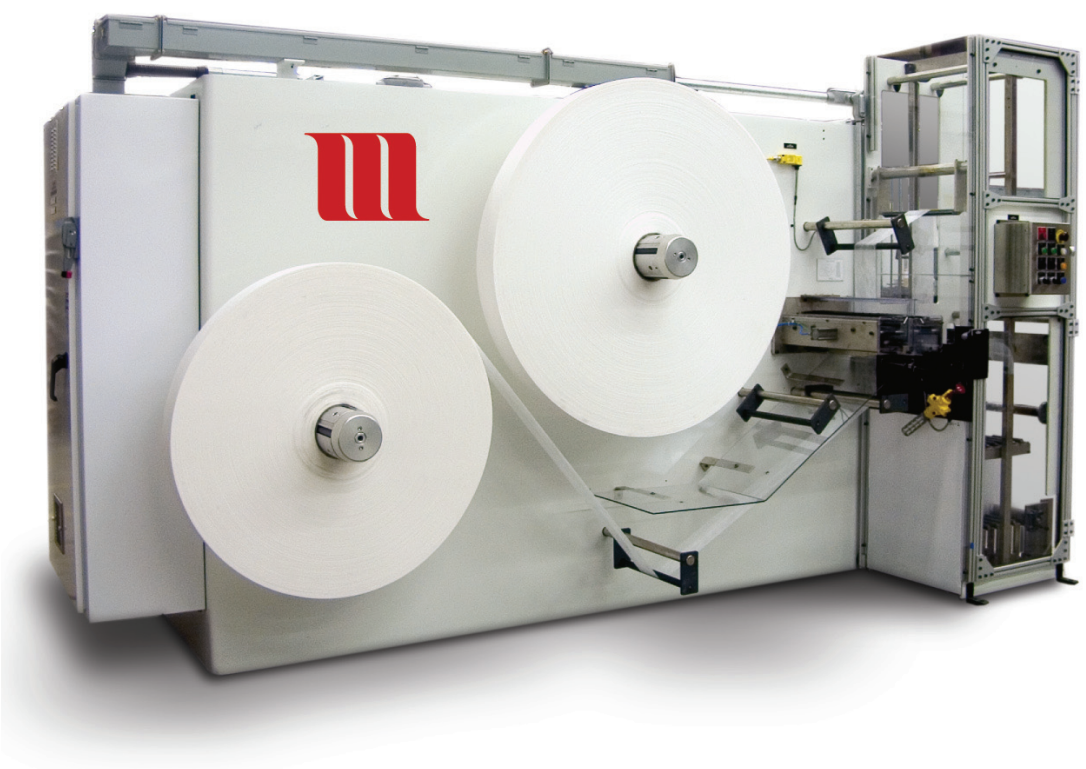
Martin Model CMSL Shear-Cut Automatic Splicer



* "Staggered" design shown

Continuous production and enhanced web handling for light webs

Martin CMSL Shear-Cut Splicer Offers:

- Freestanding construction with fixed cantilevered unwind spindles ("staggered" or "side by side" 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 (ANSI or IEC available)

*Typical Specifications**

Maximum Splicing Speed	per application			
Maximum Web Width	20	IN	508	MM
Maximum Roll Diameter	60	IN	1524	MM
Maximum Roll Weight	per application			
Core Inside Diameter	3, 6, 6.25, 6.5 or 6.75	IN	76, 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 CMSL Shear-Cut Automatic Splicer is designed to run cookie style rolls. The CMSL 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 side by side. Rolls are supported by pneumatic spindles, spindle inflation is automatic. The point guarded spindle drive assemblies utilize timing belts between spindle and drive system.

The CMSL 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 CMSL is designed to use Martin’s standard unwind control package.

Profitable operation of a converting process requires flexibility and optimization. The CMSL 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

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