

# Martin Model TR Automatic Rewinder



Non-stop rewinding for  
wide-web paperboard  
applications

## Martin TR Offers:

- Simple transfer preparation
- Automatic transfer on roll length, diameter, number of impressions (signal from customer) or roll-to-roll (unwind splice signal from customer)
- Center-core winding
- Shaftless chucking system
- Martin dancer system providing tension up to 17.5 N/cm (10 pli) across the web
- Web tension, and taper tension percentage, adjustable while running via operator interface
- Vector duty drives controlling AC vector duty motors
- Roll unload ramp
- System diagnostic capability
- Pre-wired, integrated drives and controls are mounted on rewind

## Optional Features:

- Lay-on roller assembly
- Integrated web guide
- Lift table system for unloading small diameter rolls
- Roll removal and transport system

## Typical Specifications\*

Maximum Splicing Speed	to 1968 fpm	600 m/min
Maximum Web Width	to 72 in	1829 mm
Maximum Roll Diameter	to 84 in	2134 mm

## Utility Requirements

Pneumatic	80 psi (5.5 bar) compressed air
Electrical	Three phase

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



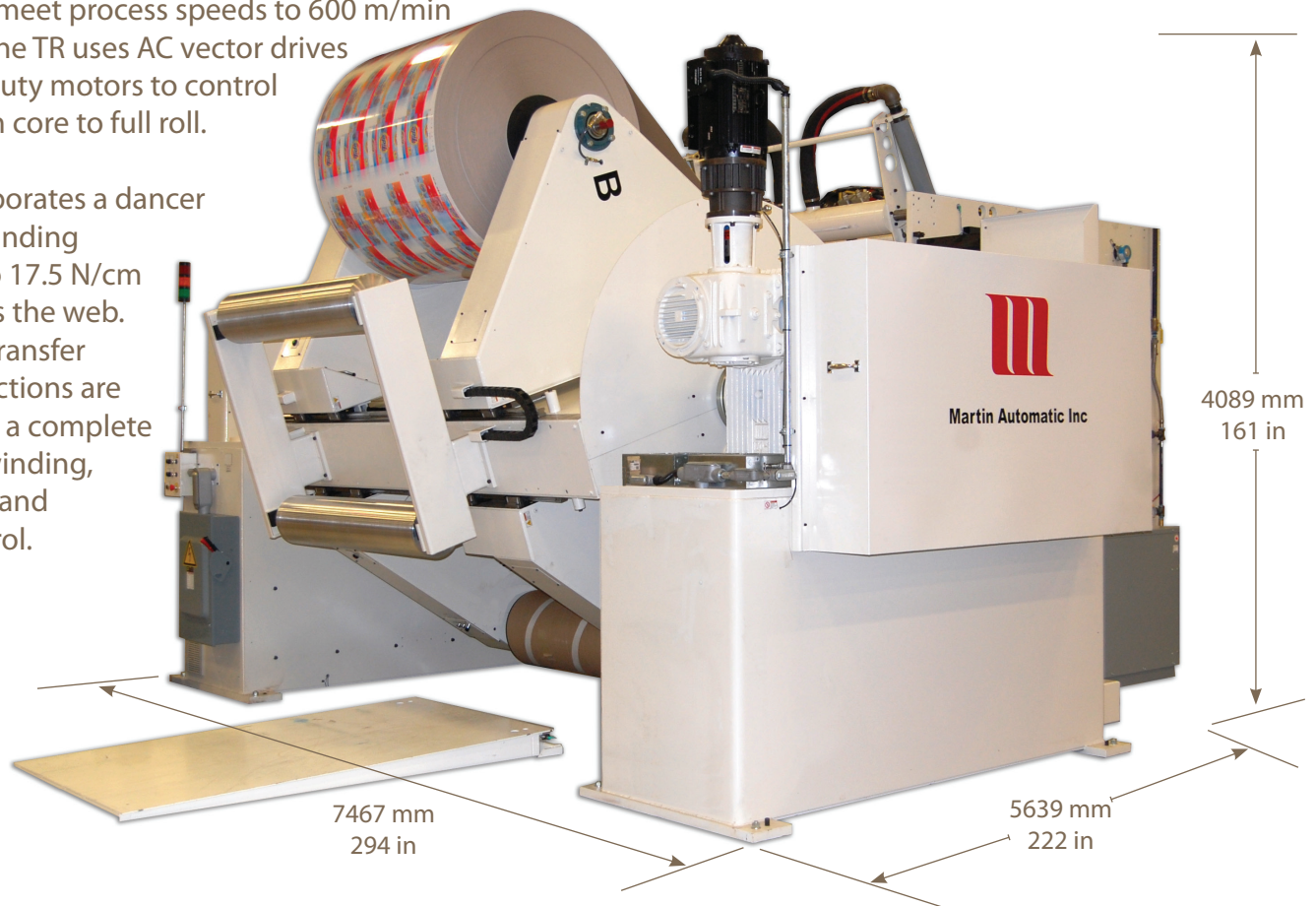
## Martin Model TR Automatic Rewinder

The model TR Automatic Transfer Rewind provides non-stop winding in wide-web, high-speed applications for paper and paperboard up to 1.016 mm (0.040 in) caliper.

The TR features a turret design with infinitely and independently adjustable arms capable of supporting rolls of differing web widths at the same time. The variable web-width capability of the turret, combined with the single-direction transfer assembly, enables converters to change web widths from roll to roll without stopping to reconfigure equipment. The quick-change shaftless chucking system can accommodate variable core sizes from 203 to 406 mm (8 to 16 in). The TR can also operate as a shafted rewind with 152 mm (6 in) and larger cores.

Designed to meet process speeds to 600 m/min (1968 fpm), the TR uses AC vector drives with vector duty motors to control spindles from core to full roll.

The TR incorporates a dancer for precise winding tension up to 17.5 N/cm (10 pli) across the web. The dancer, transfer and turret sections are integrated as a complete unit for roll winding, web transfer and tension control.



Dimensions shown are representative of model TR 15-50-72 and are for planning purposes only.

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

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