



Features:

- 25" progression capability
- Designed for 1g Accel/Decel
- Driven auto advance
- Continuous or intermittent motion control
- Maximum intermittent progression/advance: 25"
- Touch screen user interface
- Compact footprint

Series 5000 Unwind/Rewind System

Completely Automated Continuous Roll Processing

The Series 5000 Unwind/Rewind System is specifically tailored for the laser drilling process. The dancer design weighs less than one pound to accommodate 1g accelerations with minimal tension spikes and less web distortion. Dancer tension is maintained with a breakthrough lightweight design that is easily adjustable. The air turn bar at the entrance and exit eliminate roller inertial effects. The material loading is cantilevered and the base is designed to provide lift cart access for ergonomic loading of heavy rolls. The Unwind/Rewind Systems are PLC controlled and are fully integrated into the process line controls for turnkey operation.

Compact multipurpose Flexible web material handling

- Saves valuable floor space
- Lift cart access and cantilevered material roll loading
- Complete maintenance access with swing out electrical panel
- Completely integrated and automatic controls for unattended operation
- Precision roller alignment optimizes throughput
- Designed for ergonomics and safety
- Up to 16" diameter material roll
- Touch screen user interface

Specifications Series 5000 Unwind/Rewind System

PERFORMANCE FEATURES

Web width	6-24 inches
Edge guidance	0.004 in. accuracy
Feed rate	1g accelerations 24 inch/sec index speed
Maximum index distance	25 inches
Web tension	2-8 lb.
Dancer weight	Less than 1 pound
Material shaft T.I.R.	Less than 0.005 in.
Idler diameter	6 inches
Roller alignment	Level and parallel to 0.003 in.

STANDARD FEATURES

Touch Screen	Provides system and diagnostic feedback
Material Construction	Variety of options are available
Material core	Pneumatic - touch screen activated
Material drive	Safety clutch included
Controls	PLC controlled
Electrical panel	UL certified

OPTIONS

Interleaf	3 or 6 inch core
Splice station	For accurate splicing
Inline inspection	Verification of process parameters prior to upstream processing.
Process data collection	Many SCADA packages available
Web cleaner	Tacky roll, ultrasonic, etc.
Laser alignment	Entire process line aligned to 0.003 in.

DIMENSIONS AND POWER

Machine size (LxDxH):	40 in. x 48 in. x 38 in. (1016 x 1219 x 965 mm)
Splice station	For accurate splicing
Inline inspection	Verification of process parameters prior to upstream processing.
Process data collection	Many SCADA packages available
Web cleaner	Tacky roll, ultrasonic, etc.



DESIGN. DEVELOP. DELIVER

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