



DAVIS-STANDARD®

Where your ideas take shape.



Unwinding & Winding

HORIZONTAL WINDERS

OVERVIEW

The horizontal winder is the solution for highly-sophisticated winding processes handling sensitive products at high-production speed and efficiency.

This continuous winder allows inline multilane slitting and winding for high-quality finished products. Horizontal winders offer many advantages compared to conventional turret winders.

Cost-saving and waste-reduction features make the horizontal winder unmatched in scrapless production. An integrated pull roll station at the winder entrance provides an optimum tension separation between the line and the winder tension.

Contact your representative for more information on our winding systems.

FEATURES

Max Roll Dia	1,500mm (60 inches)	
Max Web Width	2,500mm (100 inches)	
Single Lane Web	Max Weight	Max Speed
3" cores	1,800 kg (4,000 lbs)	350-800 mpm (2,625 fpm)
6" cores	4,000 kg (8,800 lbs)	1,000 mpm (3,280 fpm)
Multilane Web	Max Slit Webs	
3" cores	Up to 18 webs at 600mm (24 inches) dia. Up to 800mpm (2,625 fpm)	
6" cores	Up to 18 webs at 1,000mm (40 inches) dia. at 800 mpm (2,625 fpm)	

Roll change speed limited on 3-inch cores depending on machine width.

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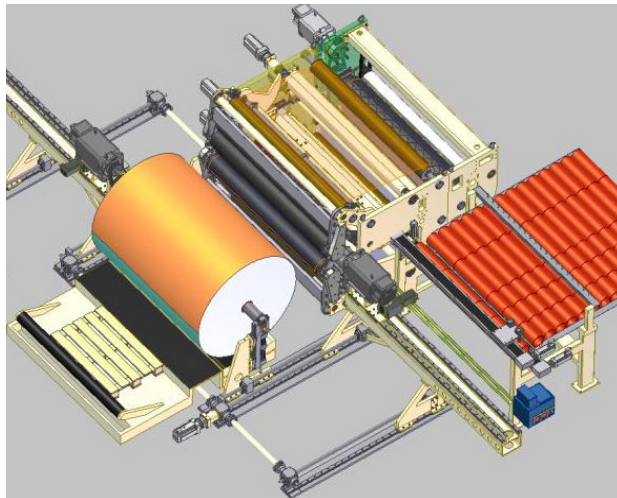
HORIZONTAL WINDERS

FEATURES

- Multi inline slitting station for minimum of 135 - 140mm webs, including oscillation knife function
- Pull roll station for tension isolation
- Driven spreader roller to divide and stabilize the individual webs
- Automatic core magazine and handling system
- Transfer system for single direction winding
- Integrated shaft and handling system
- Unloading lifting carriage

OPTIONS

- Roll handling device
- Dual direction winding



KEY DESIGN FEATURES

- Constant contact roller, from start to end of the winding process
- Short cycle time to allow for batch production
- Direct driven shafts with shaft extraction integrated in the design
- Fully automatic core loading and handling system
- Stationary knife transfer system with static devices for high-speed transfer up to 1,000 mpm
- Siemens control system including easy operator guide system

CUSTOMER ADVANTAGE

- Ship inline slit, quality rolls off the production line – save money on slitter rewinder investment, space, and human resources
- Waste reduction with roll changes made without indexing
- Fully-automatic winding system with easy, reliable control system
- High-speed production of small batches in a short cycle time