DAVIS·STANDARD ®

Where your ideas take shape.

Winding & Unwinding

Specialty Winding and Unwinding Systems

Overview

Davis-Standard has earned its reputation as the world's leader in continous unwind and winding equipment by constantly expanding the boundaries of technology through research in our Research and Technical Center and from real-world experience gained over a half century of building rugged and highly reliable unwinding, splicing, roll changing, and winding systems. Davis-Standard unwinds and winders provide the uncompromising quality and reliability demanded in today's competitive marketplace for web production and/or converted products. Our unwinding and winding systems perform day after day, year after year, to exacting standards that ultimately produce more products and profits for you.

Features

- Reliable web transfers without tension upsets for high productivity

- Consistent production of quality rolls with uniform inwound tension and minimum scrap

- Programmable operational setpoints for high versatility and fast changeovers

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Specialty Winding and Unwinding Systems
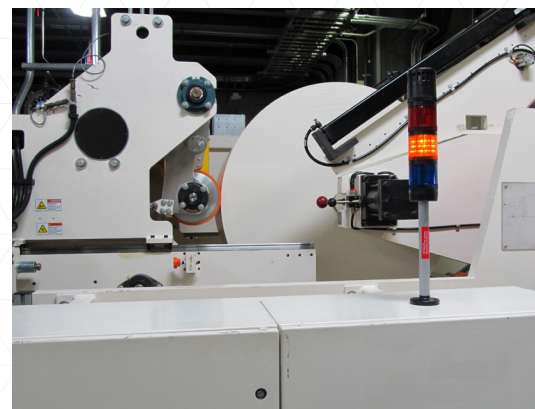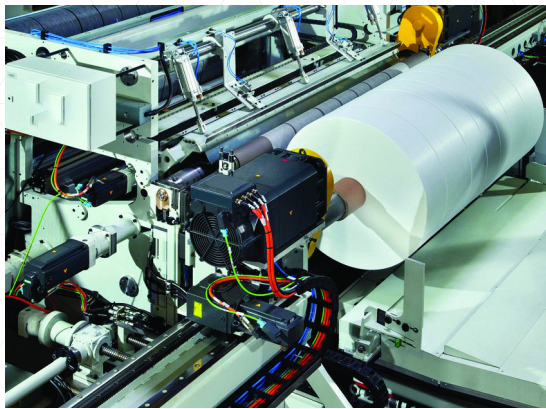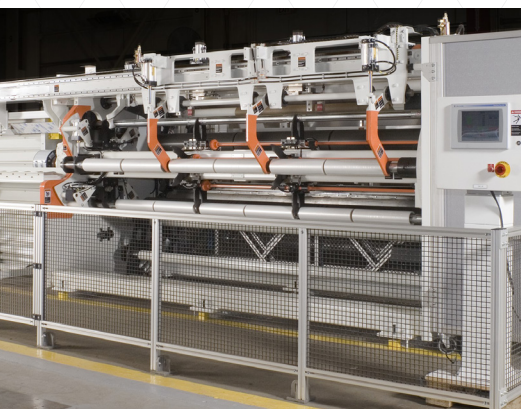
Black Magic S4 Winder
Features and Benefits

For high-speed stretch wrap production (machine and hand wrap). The BMW S4 is engineered to improve efficiencies for hand wrap and stretch film production with features such as an integrated automatic core and roll handling system, and capabilities for producing six-up rolls on a 25-second cycle time, roll change to roll change. Based on a 30-second cycle time, this winder has the ability to produce up to 2,880 roll sets or 17,280 rolls per day. In addition, the BMW S4 can reduce the cost of offline equipment and labor with configurations that eliminate bleed trim and automation that can be customized to meet production requirements.

Technical Specifications

Max Roll Dia	305mm (12 inches)
Max Web width	3,500mm (138 inches)
Core Size	75mm (3 inches) I.D.
Max Speed	730 mpm (2400 fpm)
Cycle Time	20 seconds roll change to roll change
Option	Bleed-Trim-Less: Individual web steering assemblies for inline slitting Minimum outer waste rolls with aux lay on system

Horizontal Winder
Features and Benefits

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.

Technical Specifications

Max Roll Dia	1500 mm (60 inches)	
Max Web width	2500 mm (100 inches)	
Single lane web	**Max Weight**	**Max Speed**
3" cores	1800 kg (4000 lbs)	350-800 mpm (2625 fpm)
6" cores	4000 kg (8800 lbs	1000 mpm (3280 fpm)
Multi-lane web	**Max Slit Webs**	
3" cores	Up to 18 webs at 600 mm (24 inches) dia. Up to 800 mpm (2,625 fpm)	
6" cores	Up to 18 webs at 1000 mm (40 inches) dia. at 800 mpm (2,625 fpm)	

Quality, Functionality & Performance (Qfp) Unwinds And Winders
Features and Benefits

Whether you're planning a new installation or upgrading existing equipment, QFP Unwind and Winding systems will help you achieve maximum efficiency and profitability. The QFP systems with drives are delivered completely wired, piped and tested for smoother, more efficient installations and start-ups, while minimizing costs. QFP Unwind and Winding systems can be purchased shafted or shaftless, allowing you maximum flexibility, regardless of your application. QFP systems can be confirmed for almost any web product or converted product.

Technical Specifications

Type / Size	Max Roll Diameter
Model 10	30 inches (762mm)
Model 20	42 inches (1,067mm)
Model 30	50 inches (1,270mm)
Type / Size	**Max Roll Weight**
Model 10	3,000 lbs (1,361 kg)
Model 20	3,000 lbs (1,361 kg)
Model 30	5,000 lbs (2,268 kg)
Type / Size	**Max Speed**
Model 10	2,000 fpm (610 mpm)
Model 20	2,000 fpm (610 mpm)
Model 30	2,000 fpm (610 mpm)