



DAVIS › STANDARD®

Where your ideas take shape.

Unwinding & Winding

SURFASTART 2000 WINDER

OVERVIEW

Continuous single drum surface winder for in-line slitting and winding large diameter rolls of heavier paper grades or non-woven materials at speeds up to 1500 MPM (5000 fpm) with high productivity and minimum scrap generation.

Note: Above SurfaStart 2000 shown without side guards.

TECHNICAL SPECIFICATIONS

Winder Width Range	60-200 in (1500-5000 mm)
Winding Speed Range	50-5000 ft/min (15-1500 m/min)
Maximum Roll Diameter	60 in (1500 mm)
Core Sizes (I.D.)	6 in+larger (152 mm+larger)
Options	3 in+larger (76 mm+larger)
Roll Weight	20,000 lbs (9000 kg)

SURFASTART 2000 WINDER

FEATURES INCLUDE

- Single or dual tangential shear slitting sections for clean slitting and “on-the-fly” slitter changes
- Integrated “S” wrap pull roll section to isolate the slitting, spreading and winding tension requirements from the process tension
- Single or dual bowed roll spreading system for positive and clean slit separation
- 30” (762 mm) diameter winding drum for large footprint nip control
- Patented Stationary Knife roll changer for exceptional roll change reliability
- Programmed Precision Nip Control System for good roll density control
- Driven Primary Arm Nip Roll for good hard starts on core sizes less than 6” (152 mm) I.D.
- Support Roll System for winding large diameter rolls without deflection or excessive shaft stress problems on core sizes less than 6” (152 mm) I.D.
- Core Shaft Weight Relief System for precise nip control from the first to last wrap
- Touch screen operator interface terminal and Allen-Bradley ControlLogix™ PLC
- Controlled incline ramp for controlled finished set rejection
- Roll stopping brake for quicker roll removal
- Optional center/surface winding capability for superior roll density control
- Optional integrated automatic roll and shaft handling system for maximum production efficiency and safety
- Optional Davis-Standard Secure Service Support System (DS5) for online diagnostics



SurfaStart 2000 Winder with Support Roll System

