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 SurfStart 2000 shown without side guards.

TECHNICAL SPECIFICATIONS

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