



**Innovative  
engineering  
in automatic  
web splicing**  
TORRESWINDER



# TORRESWINDER

The first rewinder with a new contactless pendulum cutting system provides increased knife life

The Torres high speed winder is suitable for paper and paperboard, and it is available for a wide range of roll sizes.

This utilizes the Pressure Drum Nip as the basic principle of how to build roll hardness. The TORRESWINDER has a motorized drum and responsive adjustable nip pressure system, which allows good hardness control throughout the winding process to ensure high quality rolls.

The operator-friendly main HMI allows complete interaction between the machine and operator. It incorporates diagnostic information for any faults, and makes preventative maintenance simple, consequently reducing unexpected downtime and increasing machine availability.

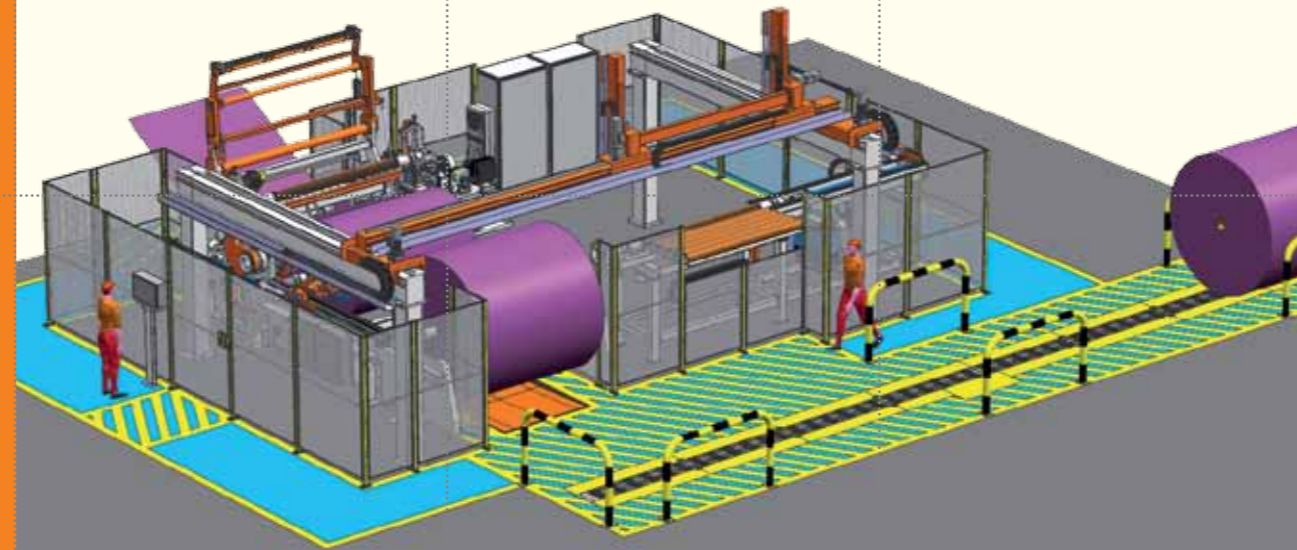
The TORRESWINDER is ideal for many applications and processes such as coating, printing, etc.

The latest safety and control technology has been incorporated into the design, enabling quick and easy integration with other control systems, whether it is a new installation or an upgrade.

The option of extending the frame length permits two maximum diameter rolls to be handled simultaneously in a high speed winding application; one in the unloading and one in the winding position.

The TORRESWINDER is available in different sizes and automation level and with different options to ensure the best adaptation to the specific needs of each customer.

Upstream Web Tension control is one of the different options available in order to offer complete Winding control.



## PRODUCT RANGE

| Width    | 50" - 67"      | 67" - 85"      | 85" - 100"     |
|----------|----------------|----------------|----------------|
| Ø        | 1.270/1.700 mm | 1.700/2.160 mm | 2.160/2.540 mm |
| 60"      | 5,500 lbs      | 7,275 lbs      | 8,300 lbs      |
| 1.520 mm | 2.500 kg       | 3.300 kg       | 3.800 kg       |
| 73"      | 8,300 lbs      | 10,800 lbs     | 12,500 lbs     |
| 1.850 mm | 3.800 kg       | 4.900 kg       | 5.700 kg       |
| 87"      | 12,100 lbs     | 15,400 lbs     | 17,650 lbs     |
| 2.210 mm | 5.500 kg       | 7.000 kg       | 8.000 kg       |

## CONFIGURATION

### Main Features

|                             |   |
|-----------------------------|---|
| Winding Mode                | Single Drum Surface Winder                        |
| Application                 | Paper - Paperboard                                |
| Paper Grade                 | 50 - 500 gsm (30 - 305 lbs/3000 ft <sup>2</sup> ) |
| Roll Diameter               | Up 2210 mm (87")                                  |
| Web Width                   | Up 2540 mm (100")                                 |
| Max. Roll Weight            | 8000 kg (17650 lbs.)                              |
| Shafted System              | 152 mm (6") Pneumatic Expandable *                |
| Web Tension range           | 200 - 3000 N (44 - 660 lbs.)                      |
| Winding Speed               | Up 800 m/min (2600 fpm)                           |
| Web transfer (Splice) speed | Up 800 m/min (2600 fpm)                           |

### Main Characteristics

|                    |  |
|--------------------|--|
| Transfer System    | Automatic Transfer System                          |
| Cutting            | Contactless Cutting System                         |
| Hardness control   | Horizontal Hydraulic Nip Loading (Tapered control) |
| Nip Loading        | 0 kg - 1500 kg (0 - 3300 lbs.)                     |
| Emergency Brake    | Drum Pneumatic Brake                               |
| Roll Stop System   | Brake clamps                                       |
| PLC Siemens        | CPU 315F-2 PN/DP *                                 |
| Operator Panel 12" | Siemens Colour Touch Screen *                      |
| Drives             | Siemens Sinamics *                                 |
| Remote Access      | Modem Connection                                   |

### Options

|                                |                                    |
|--------------------------------|------------------------------------|
| Frames Length                  | Different Frame Lengths            |
| Inline Slitting                | Edge / Trim Cutting                |
| Roll Handling                  | Hydraulic Lifting Table            |
| Shaft Core Extractor           | Automatic Shaft extractor          |
| Shaft Handling System          | Automatic Shaft handling           |
| Core Feeding                   | Automatic core feeding             |
| Glue application               | Automatic spreading (Hot melt)     |
| PLC, Drives, Controls          | Rockwell                           |
| Upstream web tension Control   | Dancer Tension Control             |
| Upstream web tension isolation | Pneumatic Nip roll                 |
| Web Guider                     | Web alignment before Winding       |
| P&B unit                       | Web Tension control before Winding |

\* others available





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