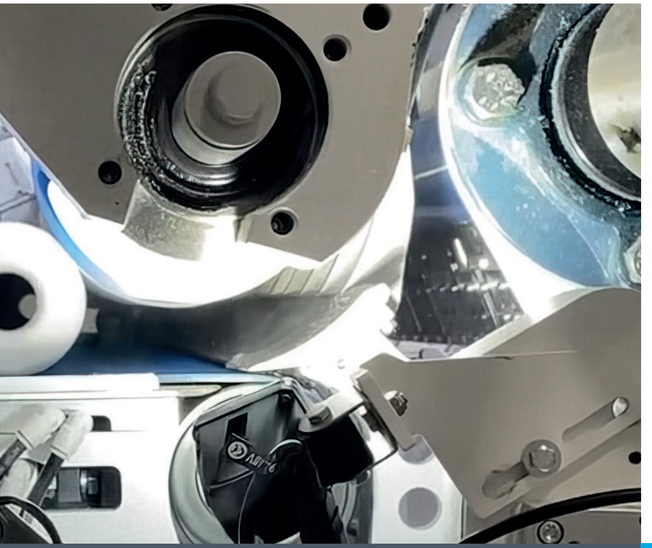


THE INNOVATIVE WINDING NEST

The **PARAGON** winding nest, with open design, guarantees a high level of product quality thanks to its innovative winding belt that drastically reduces the nip forces acting on the log in formation, preserving the caliper and bulk of the roll. The large contact surface guarantees the best traction and winding control.

Paper Converting Machine Company (PCMC), part of global equipment manufacturer **Barry-Wehmiller** and its BW Converting Solutions platform of five industry-leading brands, specializes in the design and manufacture of high-performance converting machinery for the tissue, nonwovens, hygiene, package-printing and bag-converting industries worldwide. Our comprehensive product offerings include rewinding, laminating, printing, embossing, perforating and packaging equipment for tissue and towels; folding and converting machines; and a complete range of flexographic printing presses and laser anilox cleaners, serving the flexible-packaging, prime-label and carton-converting industries. For more about PCMC, visit **pcmc.com**.

BW Converting Solutions

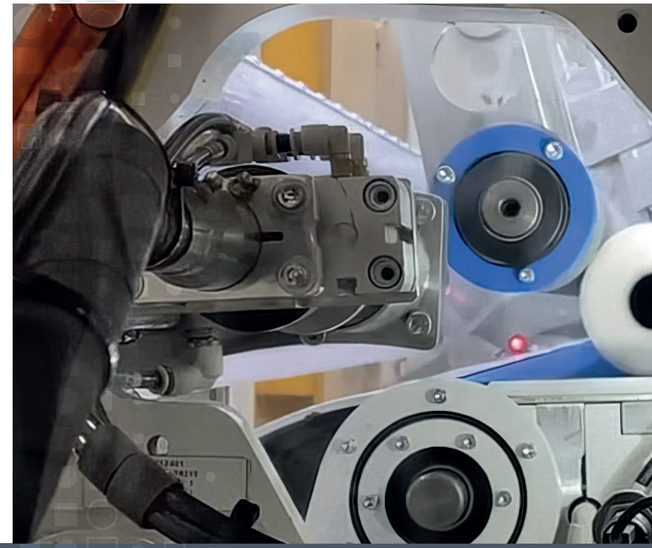
PARAGON

ONE Global Team - Better Together

Paper Converting Machine Company · Winkler + Dünnebier · STAX Technologies Tissue Packaging Solutions · Hudson-Sharp · Northern Engraving and Machine

www.pcmc.com

Paper Converting Machine Company



UNMATCHED SIMPLICITY, PRODUCTIVITY AND PRODUCT QUALITY

PARAGON

FOR PREMIUM TISSUE PRODUCTS

Paper Converting Machine Company

PARAGON

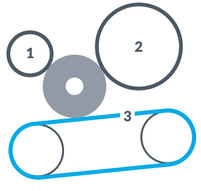
Paper Converting Machine Company — barrywehmiller bw betterworld

PRODUCT QUALITY

Highest Product Quality Attributes

- **Caliper retention** throughout the wind
- **Wind profile uniformity** over the broadest product range
- **Log diameter consistency** over the broadest product range
- **Perforation** length **consistency**
- **Best in class** wind start

THE INNOVATIVE WINDING NEST

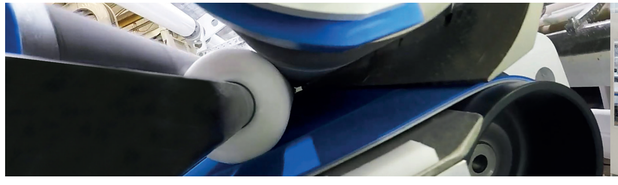


1 Compound motion rider roll **2** Winding drum **3** Winding belts

PARAGON's increased contact area at the same force reduces nip pressure and avoids caliper crushing.

PRODUCTIVITY

- Each PARAGON subsystem is designed for **high availability.**
- PARAGON promotes **higher web speeds** on low firmness products through optimal **caliper retention** and **surface-center winding.**
- PARAGON's process robustness makes it **tolerant of varying paper**.
- When a process upset occurs, recovery and restart take place **safely and quickly**.
- When grade change is required, the changes are mostly **recipe driven** and setup can be done safely and quickly.



CENTER DRIVES

Thanks to the belt's large contact surface and smooth log horizontal trajectory, the **center drives** can drive the core, modulating its speed in order to achieve the desired diameter and firmness combination.

- Core chucks
- Chuck engagement cylinders
- Servo driven through a flexible drive shaft
- Compound-motion servo positioning to follow the path of the core

SIMPLICITY

Engineering for the people and for the winding process makes the machine **inherently robust**

- **Fewer and simpler adjustments** to maintain winding control through the speed range.
- **Fewer and simpler adjustments** as the paper varies.
- **Fewer and simpler adjustments** means fewer opportunities for maladjustment.

OPEN DESIGN

When the operator needs to interact with the machine, the **unparalleled open access** makes it **safe and ergonomic** to do.

Main Features

Speed	Maximum 800mpm	(2625fpm)
Cycle rate	Maximum 60 logs/min	
Roll face width	2900 mm	(114.2")
Web width ranges		
Coreless	2450 - 2750 mm	(96.5 - 108.3")
Cored	2450 - 2800 mm	(96.5 - 110.2")
Core diameter range	38 - 52 mm	(1.50 - 2.05")
Log diameter range	90 - 205 mm	(3.54 - 8.07")

SmartTOUCH© HMI

For on-screen adjustments, the SmartTOUCH© HMI provides **intuitive navigation** and **situational awareness**.

SMART TOUCH

- Game-changing human-machine interface.
- Provides intuitive navigation and situational awareness for the user:

Simple controls — Neutral colors

Easy navigation — Tag historian