

## THE SIMPLICITY OF EVOLUTION

The simplicity of the concept it is based on allows **FORTE** to continually enhance its performance and to evolve, providing the market with an incomparable finished product. The key to **FORTE**'s success are three winding rolls cleverly positioned and moving in relation to one another, generating soft, perfectly wound toilet rolls and kitchen towels at high speed, guaranteeing a total quality finished product. And all using a minimal technology, simple to use and reliable in time.

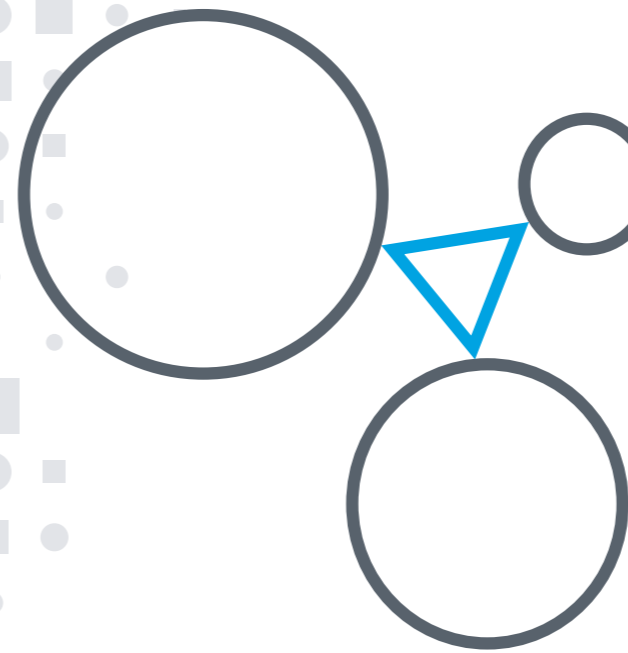
**Paper Converting Machine Company (PCMC)**, part of global equipment manufacturer **Barry-Wehmiller** and its BW Converting Solutions platform of five industry-leading brands, specializes in the design and manufacture of high-performance converting machinery for the tissue, nonwovens, hygiene, package-printing 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](http://pcmc.com).

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**FORTE**  
C O N S U M E R

SIMPLY GENIUS



**FORTE**  
C O N S U M E R



## STABLE LOG FORMATION AND UNIFORM WINDING PROFILE



## Embossing Caliper Retention



**FORTE** handles every minute detail of the log growth process, winding it with great **care**, exactly as if it were taking shape in the **hands** of the operator. A unique and innovative roll geometry that always maintains perfect triangulation during natural log growth, guaranteeing stable log formation and a uniform winding profile that keep the embossing consistent from first to last sheet, for unfaltering beauty throughout the finished roll.

## PERFECT PICK-UP ON THE CORE



The gluing section, external to the winding nest, designed based on process simplification and cleanliness, allows to electronically control the quantity of glue to distribute, preventing unglued areas and reducing the risk of wrinkle formation during the initial winding phase. No more sheets glued to the cardboard core, but paper that comes off easily, with no residues or waste, for a product that can be used up to very last sheet.

## More diameters

One of the latest developments on the electronic aspect of **FORTE** has allowed the machine to attain **log diameters of up to 240 mm**, an uncommon feature for consumer re-winders.



## INVISIBLEO

Coreless Winding

## EVOLUTION TODAY

The innovative **InvisibleO** technology, patented by PCMC and applied on our lines, allows rewinding high firmness as well as low firmness rolls, both consumer and away-from-home, always guaranteeing a level of quality never attained before with no-core roll products.



## FORTE

ULTRA-CONSUMER

<b>MAX ROLL FACE</b>	from 2.9 m to 3.7 m
<b>MAX SPEED</b>	800 mpm (2625 fpm)
<b>CYCLES RATE</b>	up to 60 logs/min
<b>CORE Ø RANGE</b>	38 - 60 mm (1.50" - 2.36"), optional 25 - 40 mm (0.98" - 1.57")
<b>LOG Ø RANGE</b>	90 - 200 mm (3.54" - 7.87"), optional 90 - 240 mm (3.54" - 9.45")
<b>PERFORATOR</b>	Stack design, 1 or 2 units
<b>PIVOTING LOWER ROLL</b>	Standard
<b>CENTER CONTROL GUIDES</b>	Standard
<b>INTEGRATED DUST HOODS</b>	Available
<b>NO CORE OPTION</b>	Available

## FORTE

SERIES



<b>MAX ROLL FACE</b>	2.9 m		
<b>MAX SPEED</b>	500 mpm (1640 fpm)	600 mpm (1968 fpm)	700 mpm (2297 fpm)
<b>CYCLES RATE</b>	40 logs/min (opt. 50)		
<b>CORE Ø RANGE</b>	38 - 60 mm (1.50" - 2.36")		
<b>LOG Ø RANGE</b>	90 - 200 mm (3.54" - 7.87"), optional 90 - 240 mm (3.54" - 9.45")		
<b>PERFORATOR</b>	Parallel design (rotating - fixed - rotating rolls)		
<b>PIVOTING LOWER ROLL</b>	Available		
<b>CENTER CONTROL GUIDES</b>	Available		
<b>INTEGRATED DUST HOODS</b>	N/A		
<b>NO CORE OPTION</b>	Available		