

MILLENNIUM

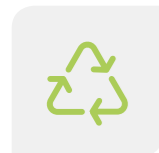
REWINDER



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From the union of the proven TIME and MILE technologies that can boast of over 140 lines installed throughout the world comes the new MILLENNIUM rewinder, designed specifically to answer the demands for technological innovation and efficiency typical of the North American market. MILLENNIUM is the first rewinder capable of working without glue at extremely high speeds. The innovative Sincro Evo patented web severing system simplifies and improves the transfer phase, while the revolutionary Web Tuck optional allows glue-free pick-up on the core at the incredible speed of 700 m/min and 800 m/min with traditional products. Perfect winding quality at high speeds is further guaranteed by the active punzoncini central winding system that allows winding of extremely bulky products made also using recycled and low-density papers. The new Easy HMI panel, developed with the latest principles of cognitive ergonomics, makes commands extremely intuitive and uses easily understandable terminology and icons.

Why MILLENNIUM?



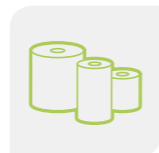
Environmental responsibility

- ➔ Reduced environmental impact
- ➔ Noise reduction: new Sincro Evo® web severing system
- ➔ Reduction of wear parts and consumables



Superior technology that creates value

- ➔ Improved and simplified web severing: Sincro Evo®
- ➔ No compromise: high production speed up to 800 m/min; up to 700 m/min even without glue via Web Tuck®
- ➔ High performance: hybrid surface-central system with punzoncini technology
- ➔ Glue Free: system: reduction of inefficiencies due to the use of glue during the production process

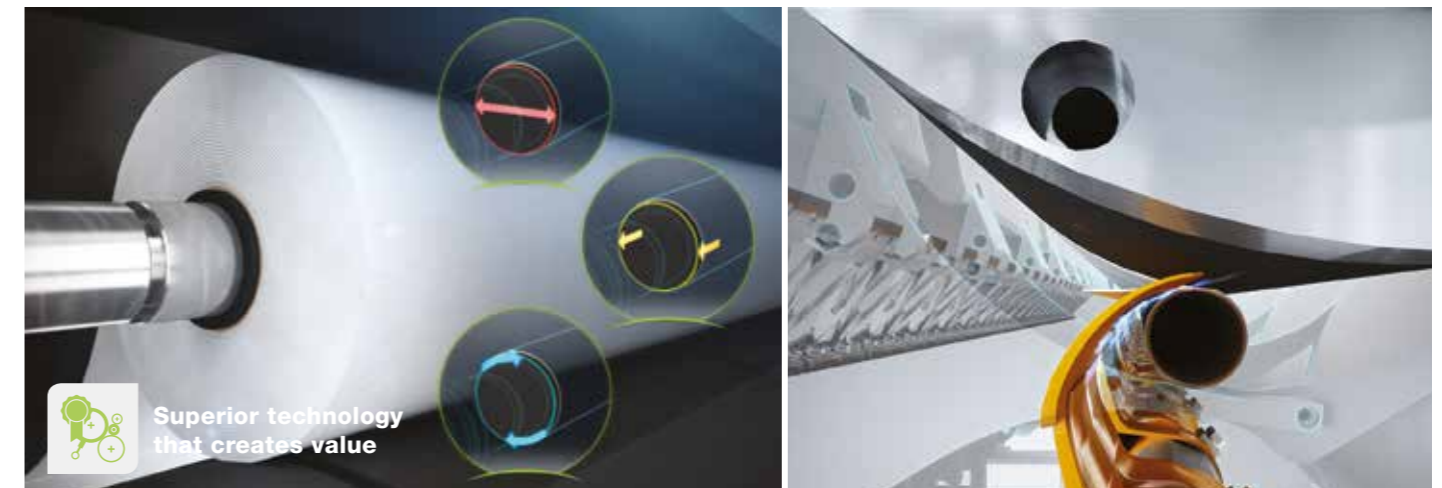


Wider production range

- ➔ Wide range of perforation lengths: comes with double perforation
- ➔ Roll diameters up to 200 mm programmable from the operator panel
- ➔ Innovative glue-free pick-up
- ➔ Quality products and large volumes at high speeds

Technical characteristics

Type of functioning	Combined surface-central winding with punzoncini technology, web severing through Sincro Evo, winding start with glue or without glue thanks to Web Tuck device.	Perforation length	From 75 mm (2.96") to 400 mm (15.75")
Nominal format	2800 mm (110.23") - 3600 mm (141.73")	Fixed perforating roll	With 4 blades and axial movement
Installed power	101 KW (135 HP) with punzoncini 142 KW (190 HP) with Web Tuck	Rotating perforating roll	N°1 rotating perforation roll with 6 blades with "variable geometry" (6+2) N°1 rotating perforation roll with 8 blades
Pneumatic system	Pressure min 6 bar	Double perforation is Standard	Perforation length and inclination adjustable by panel (HMI)
Main drive	Independent drive	Control system	Easy HMI
Production speeds		Product specifications	
Winding start with Web Tuck	Up to 700 mpm (2296 fpm) f.to 2.8 Up to 600 mpm (1968 fpm) f.to 3.6	Log diameters	Min 90 mm (3.54") Max 200 mm (7.87")
Winding start with glue	Up to 800 mpm (2625 fpm) f.to 2.8 Up to 600 mpm (1968 fpm) f.to 3.6	Core diameter	Min 38 mm (1.50") Max 50 mm (1.97")
Production capacity	Up to 60 logs/min	Sheet count	By increments of 1, with no limits, up to max diameter attainment
Web tension control	Through load cells		



Due to technical and/or construction evolutions or variations, the illustrations reported may not correspond in detail to machinery presently in production.