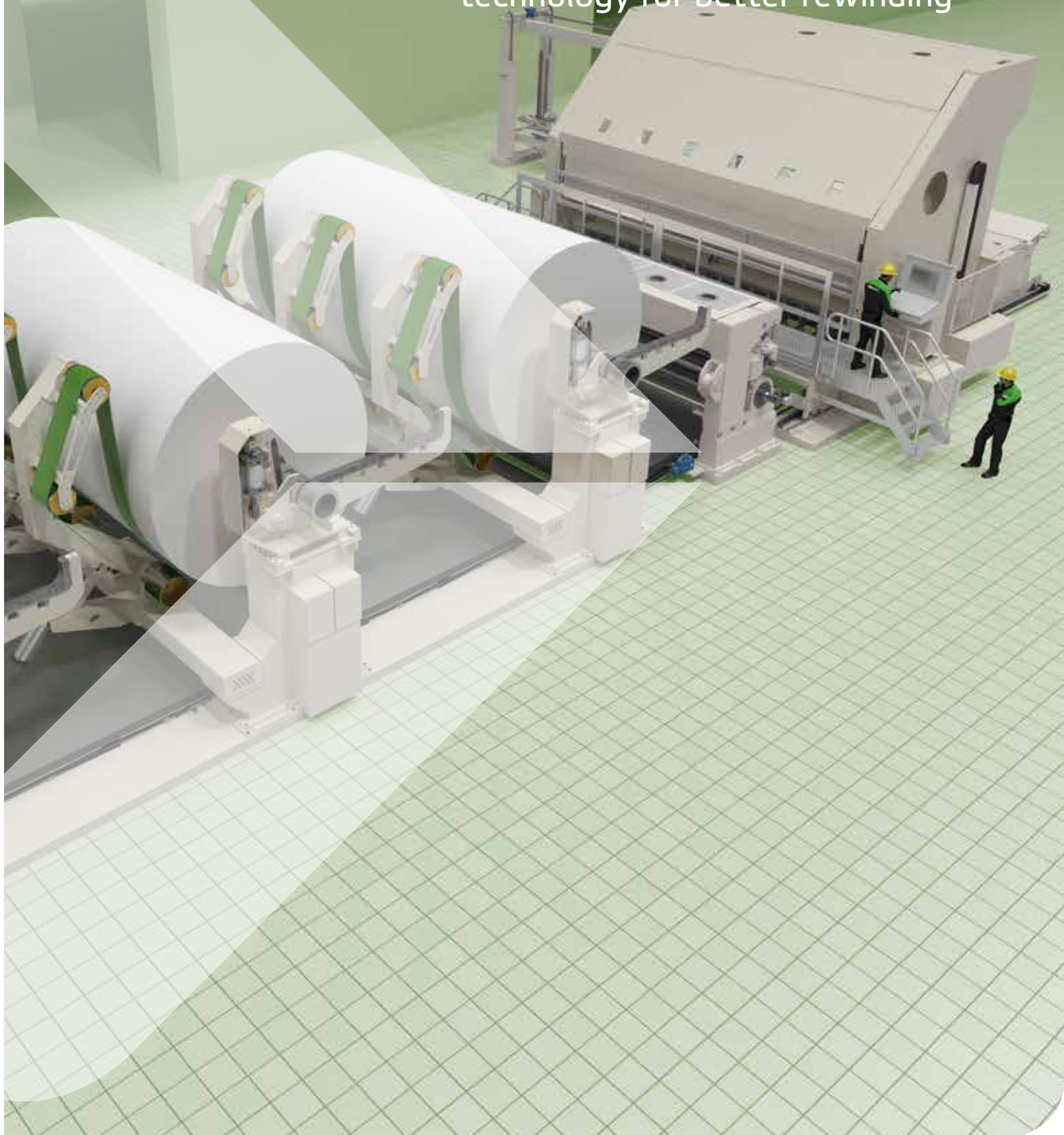


Focus Tissue Rewinding lines

Innovative solutions and proven
technology for better rewinding







nostress a rewinding philosophy

The constantly increasing market demand of softer tissue with higher bulk force both tissue machine suppliers and paper makers to find everyday solutions to produce parent rolls that meet the market requirements. The challenge is to handle and convert the rolls, preserving as much of the initial tissue properties as possible, without stressing the paper. **n**ostress is a rewinding concept that involves Unwinders, Rewinders and Finished rolls removal

Unwinders

The Unwinder arms are designed to have maximum width of the wrapping angle on the parent roll in order to reduce the specific pressure of the belts. Also the control system contributes to keep the pressure at a minimum level during the unwinding process.

Rewinders

The “Electromechanical” relieving system is extremely effective and precise and assure perfect automatic control on roll density, especially on large diameters and heavy finished rolls. The control system and the algorithm to manage relieving actions are well proven by the wide range of applications.

Finished rolls removal

The innovative finished roll removal system removes the roll from the winding position when the target diameter is reached, using “Pulling instead of Pushing”. The Electromechanical system gently positions the finished rolls on a Shuttle performing the operations related to an automatic roll change. The operations include web cross cut, loading of new cores in winding position, delivery on floor or on any handling equipment of finished rolls set.

nostress

The advantages of the **n**ostress rewinders are several

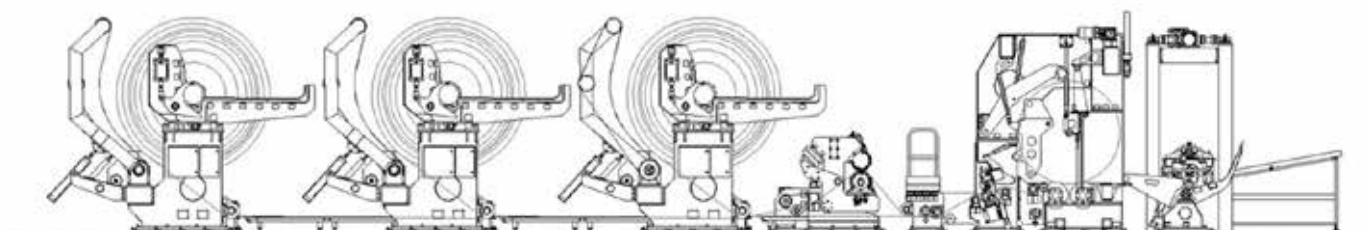
- No need of Hydraulic Unit as the chucks opening and closing is electromechanical.
- Simplified on-site installation and on board and field plants.
- Easier, faster and safer cleaning and maintenance operations due to shuttle movement before discharging the finished rolls makes the area in front of the carrying drums completely free.
- Easier installation of canopy hood for dust removal system and more compact rewriter by eliminating the conventional “Pusher” of finished reels.



Hydraulic rewinders

Hydraulic relieving system for chucks and rider roll. Open loop system, manual caliper control with relieving curves adjustable by the operator

Hydraulic rewinding lines	REELITE 10	REELITE 15	REELITE 20?
Basis weight	12:40 gsm	12:40 gsm	12:40 gsm
Speed up to	1.000 m/min	1.500 m/min	2.000 m/min
Finished roll up to	1.800 mm	2.000 mm	2.500 mm
Trim width up to	2.850 mm	2.850 mm	5.600 mm
Carrying drum	500 mm	600 mm	750 mm



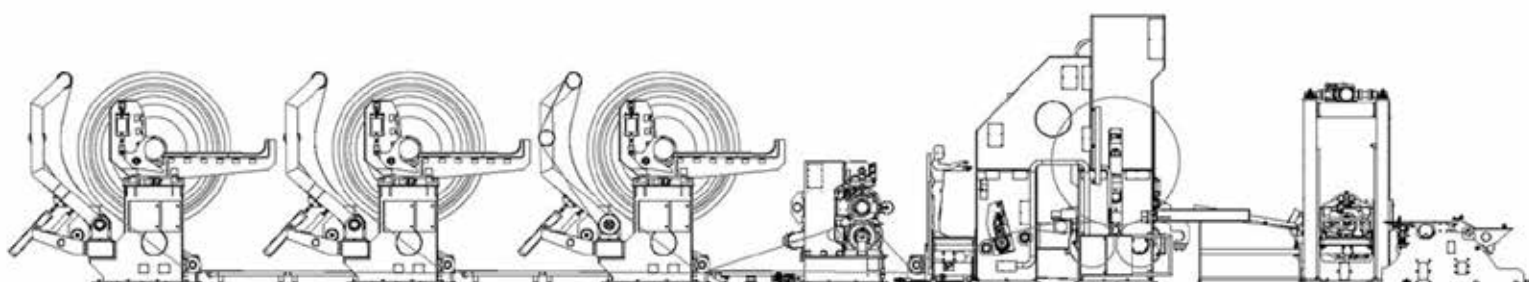


Electromechanical rewinders

The **no**stress concept

Electromechanical relieving system for chucks and rider roll. Closed loop control system for automatic caliper control.

F(O)CUS rewinding lines	REELITE 18	REELITE 20	REELITE 25
Basis weight	12:40 gsm	12:40 gsm	12:40 gsm
Speed up to	1.800 m/min	1.900 m/min	2.000 m/min
Finished roll up to	2.200 mm	2.500 mm	2.600 mm
Trim width up to	3.800 mm	5.600 mm	7.000 mm
Carrying drum	600 mm	750 mm	900 mm

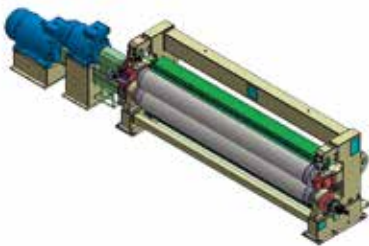


Components



Unwind Stands

Type	No.of belts	Ø mm	Trim width mm	Speed m/min
S-simple	1	up to 2.000	Up to 2.850	Up to 900
	2	up to 2.200	Up to 2.850	Up to 1.200
Fast Removing	2	Up to 3.000	Up to 3.600	Up to 2.000
	3	Up to 3.000	Up to 5.600	Up to 2.000



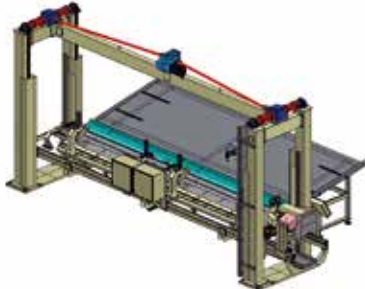
Calenders

Type	Ø mm	Trim width mm	Speed m/min	Nip pressure kg/cm	Operation
Skewing	400	up to 3.600	Up to 1.500	Up to 20	Pneumatic
	810	up to 5.600	Up to 2.000	Up to 20	Hydraulic
Crown control	600	Up to 5.600	Up to 2.000	Up to 20	Hydraulic



Slitting Units

Speed	Trim width mm	Drives system	Positioning
Up to 1.500 m/min	Up to 3.000	Center drive by expanding shaft for all slitters	Manual or automatic
Up to 2.000 m/min	Up to 5.600	Single motor for each slitter	Manual or automatic



Shaft Puller

Ø Cores	Length core mm	Core feeder (Optional)	Operation
Min. 3 >> max 12 >>	Up to 6.000	Up to 10 sets of cores	Automatic



Shuttle

Ø reel mm	Trim width mm	Translation movement	Tilting movement
Up to 2.600	Up to 5.600	Electromechanical	Pneumatic & Hydraulic



Automation and Drives

Position synchronism and high performance motion controls through all rewinding phases





The global leader in tissue making

Over 150 years of experience within the pulp and paper industry has resulted in Valmet becoming the global leader in tissue making. We deliver the most production capacity and boast the largest installed base of tissue making lines worldwide.

We strive to ensure that tissue quality, knowledge and process technology, as well as our wide scope of service, continue to drive mutual success.

Join us to become Best in Tissue!

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