



PULP & PAPER

REELING SYSTEMS FOR PAPER AND BOARD

ANDRITZ

PrimeReel

PrimeReel



ANDRITZ

ENGINEERED SUCCESS



Your experienced partner for reeling solutions

Our modular *PrimeReel* system enables reeling of paper up to 10 m wide width and with 4.6 m parent roll diameter. A controlled and safe wrapping process ensures consistent paper quality from the first to the last wrap during reeling.

Our reeling systems ensure constant paper quality thanks to high reeling uniformity in cross direction, with reliable synchronization of operator side and drive side.

"The reel section is a crucial component at the end of each paper and board machine that significantly influences the quality of further parent roll processing."

CHRISTIAN GRUEBL

Design Engineer
Paper and Board ANDRITZ



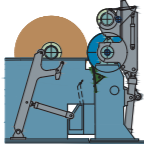
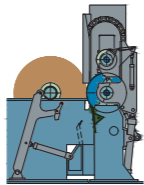
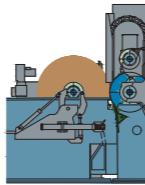
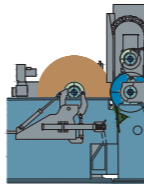
AT A GLANCE

- Modular system with all four reel types: upgrade possible from *PrimeReel* to a *PrimeReel Centerwind*
- Up to 10 m paper width and 4.6 m parent roll diameter
- Linear primary carrier guard for careful reeling on all *PrimeReel* types
- Controlled and safe wrapping process ensuring consistent paper quality from the first to the last wrap during reeling
- Many variants and options available: meeting customers' operational demands
- Easy operation and maintainability: highest availability thanks to our paper mill service
- High safety level during operation and maintenance: "Safety first" is one of our major goals
- Best pre-conditions for fast rebuilds and start-up

FEATURES

- Highest availability and smart design to avoid hazardous areas with a risk of crushing
- Constant winding parameters, no winding defects in the sheet
- Minimum of broke from top layer and core
- Capable of handling large winding diameters
- Fast and efficient turn-up
- Minimum maintenance effort and easy access to all control desks
- User-friendly operating software
- All horizontal reels suitable for upgrade with our plug-and-play *PrimeReel Hybrid*

PrimeReel product range: smart modular system

	PrimeReel	PrimeReel Hybrid	PrimeReel Premium Hybrid	PrimeReel Premium Centerwind
				
Primary arm			Linear (carriage guide with sensitive nip load)	
Secondary arm		Conventional (pivoting lever)		Linear (carriage guide with sensitive nip load)
Nip load control			Yes	
Nip load measurement		No		Yes
Hybrid drive (primary and partly secondary area)	No (upgrade possible)		Yes	
Secondary center drive	No	No (upgrade possible)		Yes

Reeling systems overview

PrimeReel

Constant paper quality thanks to high reeling uniformity in cross direction with reliable synchronization of operator side and drive side. Controlled nip load during the entire wrapping process. Make use of the paper right from the first wrap. The PrimeReel has the best performance level for all types of corrugated base paper and uncoated fine paper under perfect reeling conditions.

Should further investments be planned, the ANDRITZ PrimeReel is ready for easy upgrade to a PrimeReel Hybrid.

PrimeReel Hybrid:

This type of reel handles larger jumbo roll diameters easily, enables higher speeds, and is perfect for winding sensitive paper grades. With the PrimeReel Hybrid low nip loads down to 0.2 N/mm

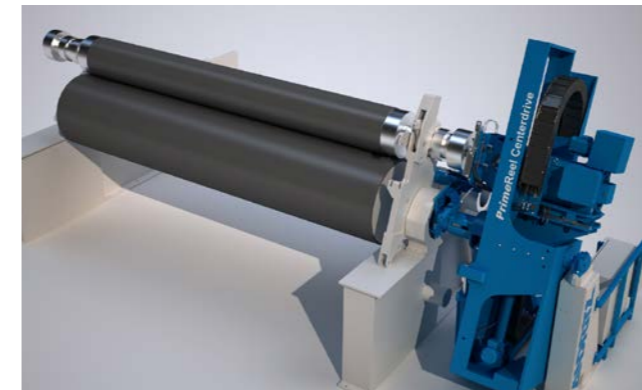
are possible. A torque transfer is established to the parent roll through the center drive. One center drive covers the primary and partly the secondary area.

The Hybrid unit with the plug-and-play system has the perfect design to upgrade all types of horizontal reel as well as improving safety level and maintainability. In combination with larger parent roll diameters, the dry-end capacity can be increased significantly. The PrimeReel Hybrid can be used for any paper and board grades and, as mentioned above, is, especially suitable for highly sensitive and smooth grades.

PrimeReel Premium Hybrid

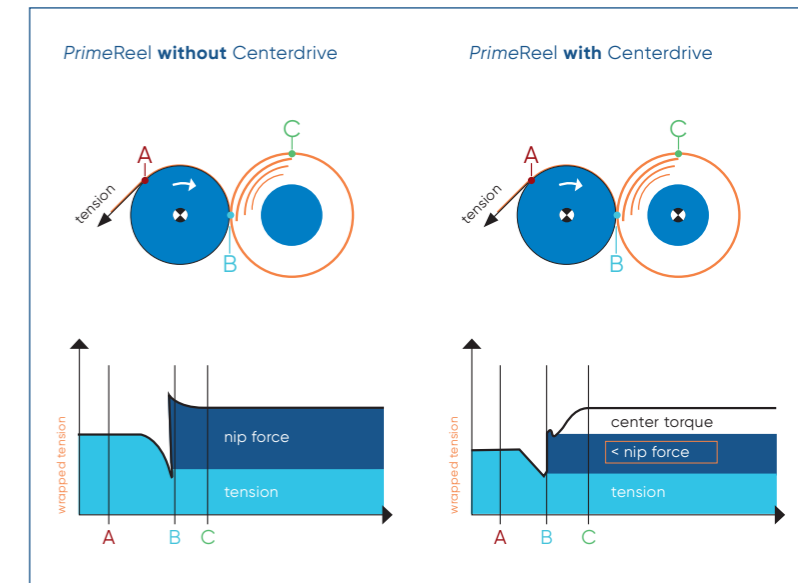
In the PrimeReel Premium Hybrid, the center drive hybrid design is combined with advanced controls. This product provides direct nip load measurement with nip load control as well as linear and frictionless loading of the primary and secondary carriage guides.

Turning a standard reel into a Centerwind reel



PrimeReel Centerdrive Hybrid

Turns a standard reel into a Centerwind Reel! This plug-and-play system follows the tambour from the primary into the secondary area, enabling constant, Centerdrive-assisted reeling during the entire process with one drive unit only.



Centerdrive for optimized torque transfer

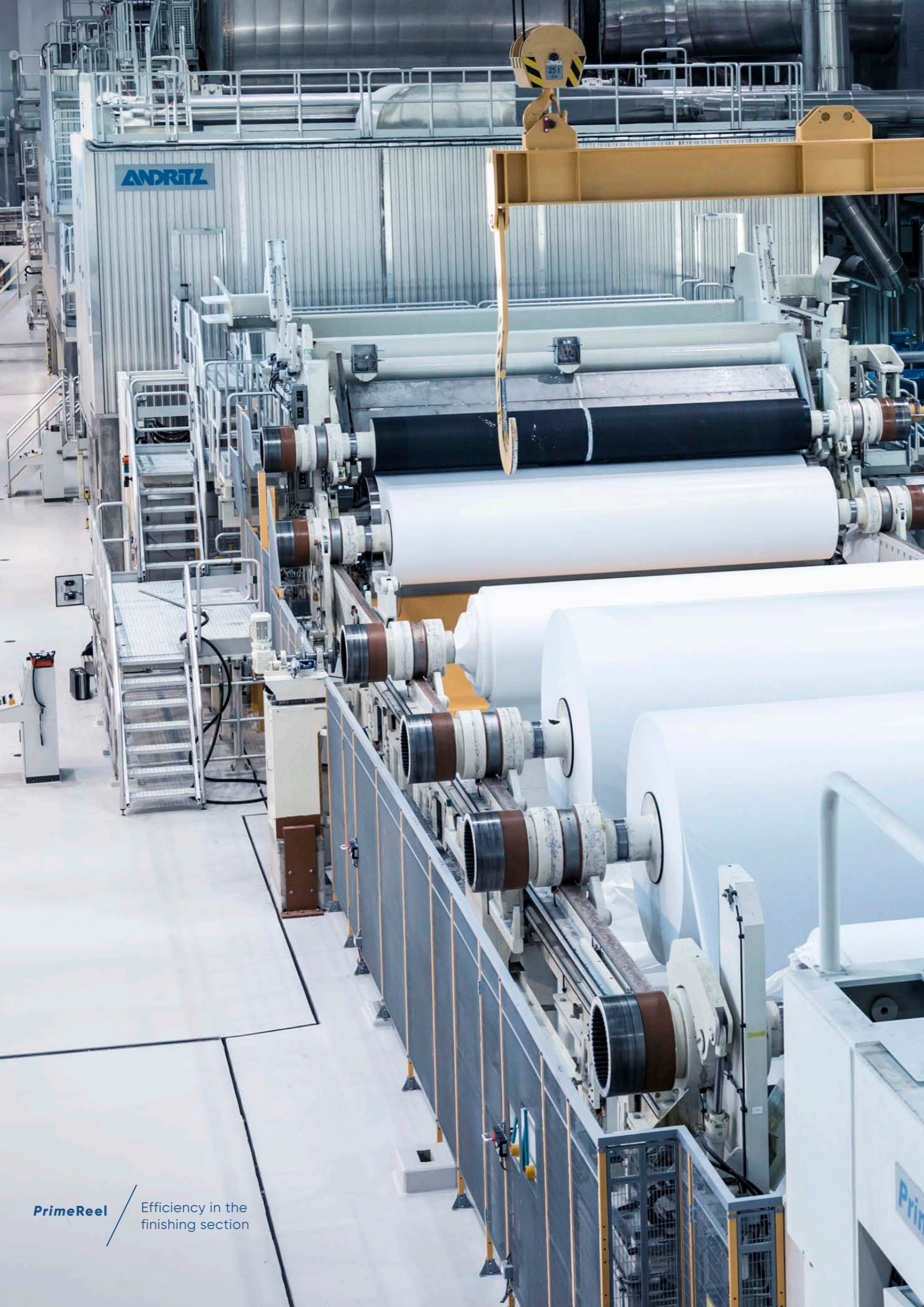
The PrimeReel Premium Hybrid can be used for any paper and board grades and is especially suitable for almost all highly sensitive and smooth grades. In addition, it is ready for easy upgrade to a PrimeReel Premium Centerwind for winding of all paper grades and is particularly suitable for special grades.

PrimeReel Premium Centerwind

This type of reel features two synchronized center drives with advanced controls. The full range is covered by center drives for both the primary and the secondary areas. The PrimeReel Premium Centerwind is perfect for reeling of grades with a sensitive surface in combination with large jumbo roll diameters. The use of low nip loads provides even smoothness values in the top layer and core. Due to its highly sophisticated design, the PrimeReel Premium Centerwind is especially suitable for extremely sensitive paper and board grades.

“Our Premium Centerwind reel is the icing on the cake of reeling. It is suitable for any kind of highly sensitive paper or board grade.”

ROBERT ENTENFELLNER
Head of Design Reel
Paper and Board ANDRITZ



Safe operation and maintenance-friendly

Our experts offer full-line service, from the pulper to the reel. In close collaboration with our customers, we listen carefully to your operational demands and offer our process experience from paper mills around the globe. With our maintenance agreements, we keep your equipment in perfect shape for a long lifetime.

SAFETY FIRST

- Smart design to avoid hazardous areas with a risk of crushing
- Large safety barriers
- Safe access for paper quality control

EASY OPERATION

- Easy access to all control desks and adjustment valves
- Good visibility and safe insertion of empty reels into the magazine
- Reels operated by key-in and touchscreen

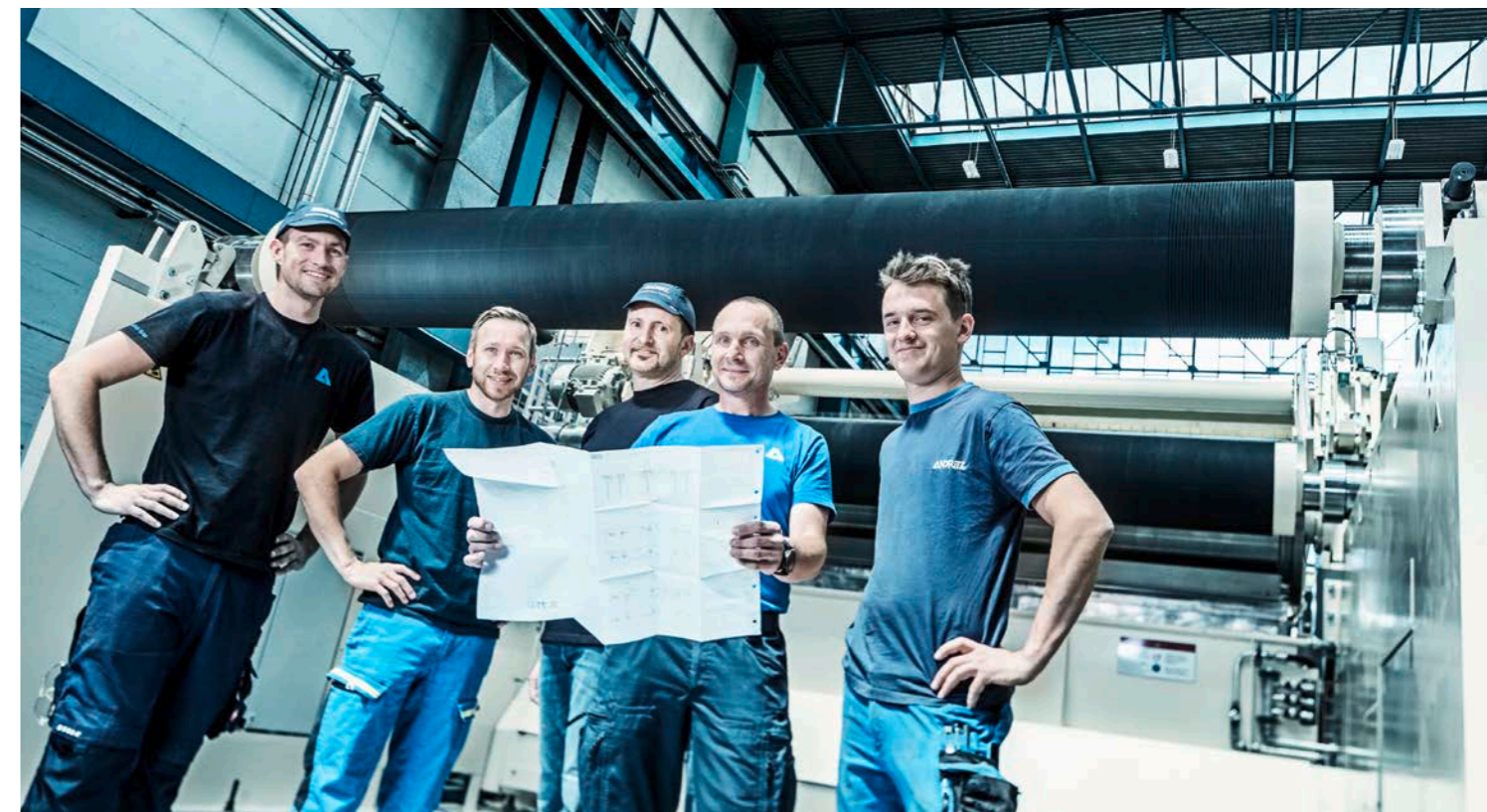
LESS MAINTENANCE

- Easy access to all control cabinets
- Cost-optimized spare parts inventory through use of standard parts
- Reduction of maintenance effort, e.g. by using high-quality, maintenance-free bushes and joints

PARTNERSHIP AS THE KEY TO SUCCESS

- Maintenance agreements with focus on clear quality and profitability goals
- Spare and wear parts service
- Troubleshooting on ANDRITZ and competitors' reels
- Safety audits to prevent an unsafe workplace and eliminate accidents
- Automation system upgrade to a high level of availability and safety awareness
- All types of horizontal reels can be upgraded with our plug-and-play PrimeReel Hybrid solution
- Parts-only upgrades, e.g. rubber-covered reel drum, reel spools, reel spool magazine, gravimetric or guided parent roll transport system, tail threading system, turn-up system

ANDRITZ reel experts in the workshop at the headquarters in Austria





DISCOVER OUR FULL-RANGE PORTFOLIO FROM FIBER PROCESSING TO PAPERMAKING

An outstanding paper product requires outstanding production – matched with the particular needs of raw material and final product. Discover the full-range portfolio from ANDRITZ: Excellent stock preparation that allows best fiber development according to furnish and with economical use of resources. *PrimeLine* paper machines that are a synonym for producing top-quality tissue, paper, and board grades. Complete lines or single units, upgrades, and modernizations. Contact us and benefit from your individual package in papermaking technology.

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