



**PULP & PAPER**

# **PREMIUM PERFORMANCE ROLL COVER TECHNOLOGY**

**BY ANDRITZ FABRIC AND ROLLS**

**ANDRITZ**

**ENGINEERED SUCCESS**

# Premium machine performance demands premium roll cover technology...and we deliver

Since 1886, our companies have been at the forefront of fabricating rubber, polyurethane, ceramic and composite roll covers used in the most demanding applications of papermaking and other industries. At ANDRITZ Fabrics and Rolls, we have a roll cover solution specially engineered to deliver enhanced product quality, machine efficiency, energy savings and longer running life.



Modern polyurethane extrusion production line

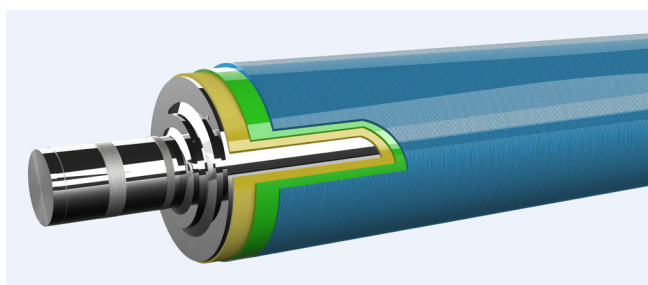
With a comprehensive range of products, ANDRITZ Fabrics and Rolls has your entire machine covered including: press rolls, size press and film coating rolls, coater-backing roll covers, soft calender and super-calender covers, fabric and felt carrying rolls, cylinder couch rolls, wire-turning rolls, breaker stack, and more. We also supply unique venting options for maximum efficiency including drilled, grooved, and drilled-grooved combinations.

And with a legacy of innovation from world-renowned brands like Stowe Woodward, Mount Hope and Spencer Johnston, you can be sure your rolls and services are the most modern and reliable in the industry.



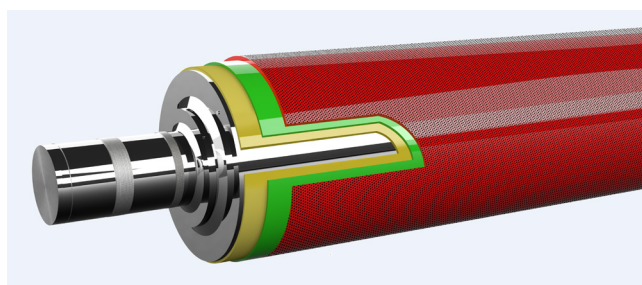
# Our portfolio includes specially engineered covers for every machine and position

## PRESS ROLL COVERS



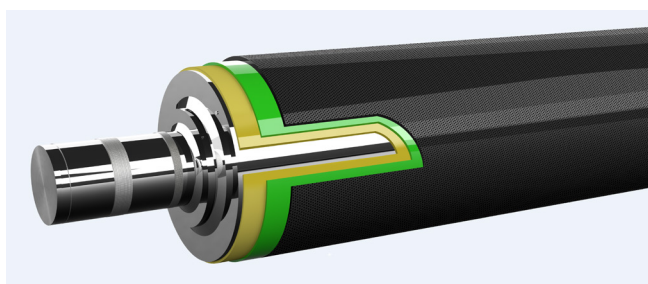
### Blue Diamond

- Premium polyurethane for high-speed, high performance positions
- Excellent groove stability
- Superior hydrocarbon and chemical resistance
- Includes FUSION bonding



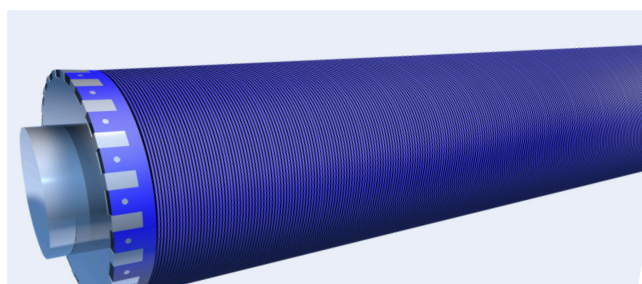
### Quantum Xtreme

- Unique polyurethane for high PLI non-water-cooler cover applications
- Superior tensile and tear strength
- Superior abrasion resistance
- Includes FUSION bonding



### Superwear Xtreme

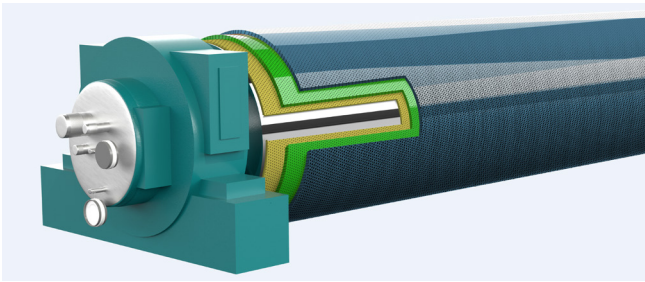
- High strength rubber cover technology
- Outstanding abrasion resistance
- High tear and tensile strength
- Wide hardness range up to 90 P&J
- Compatible with Lifeguard II base



### Impulse

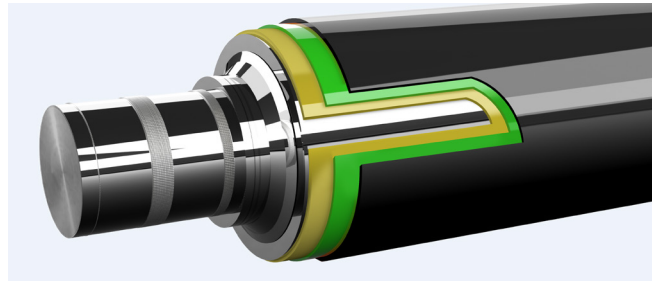
- Industry-leading shoe press belts
- Large selection of venting options
- Superb structural stability
- Excellent wear and chemical resistance
- Extended life potential

## PRESS ROLL COVERS



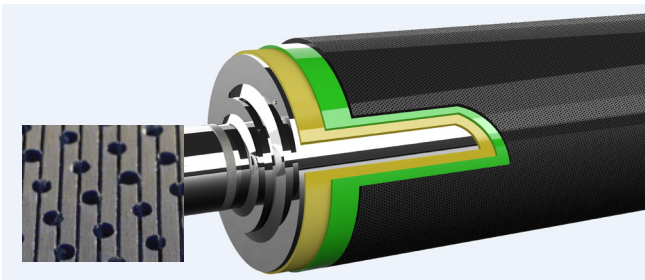
### Rebel

- Premium best-in-class polyurethane cover for tissue pressure roll applications
- Faster start-ups and machine speeds
- Wide operational windows
- Improved sheet quality and longer life



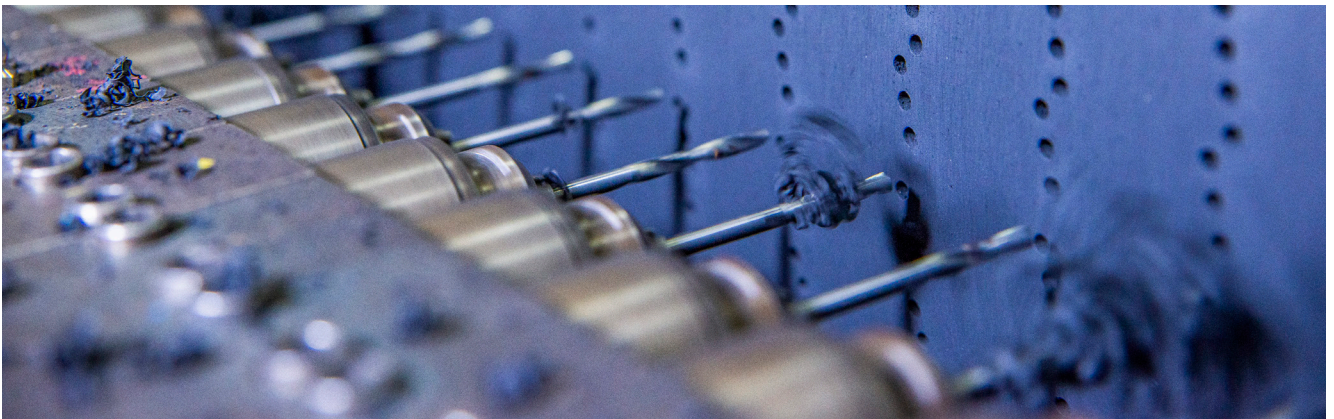
### Xtreme TS, Hyperpress X

- Ideal rubber cover for non-water-cooled high speed, highly loaded tissue pressure rolls
- Consistent pressure nip intensities
- For TAD and conventional machines
- Maximum sheet quality and PM runnability



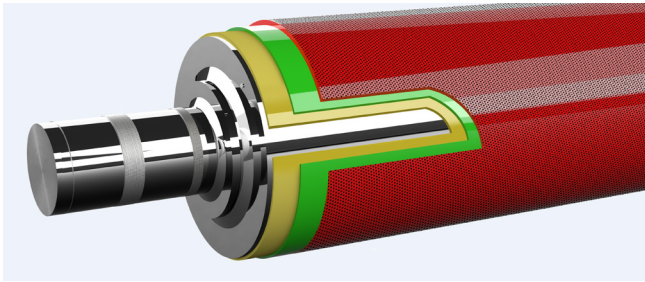
### Enervent

- Patented venting with shallow, wider grooves
- More uniform moisture profiles, reduced energy
- Higher sheet consistency and quality
- More consistent operation over cover life
- Longer cover life



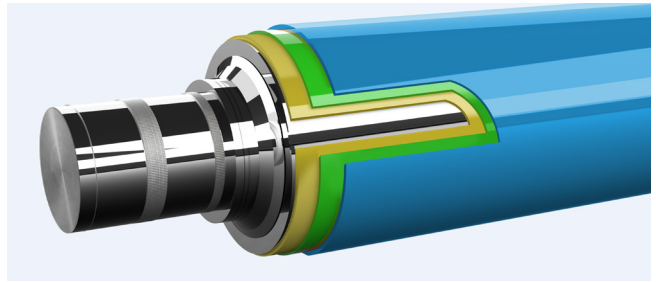
CNC precision roll cover drilling process

## MULTIPURPOSE ROLL COVERS



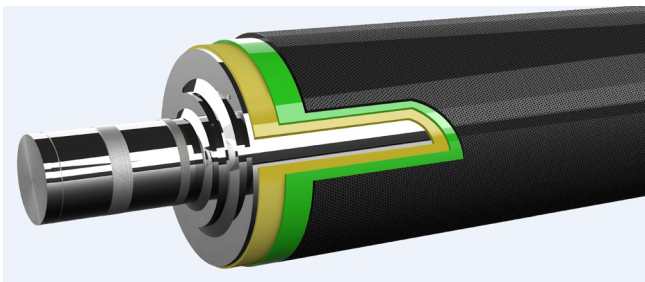
### Quantum R, Aquarius R

- Versatile high performance polyurethane release covers for soft press, smoothing press, lump breaker and calender positions
- Ideal for non-water-cooled positions
- Wide hardness range, long running life



### Aquarius Armor

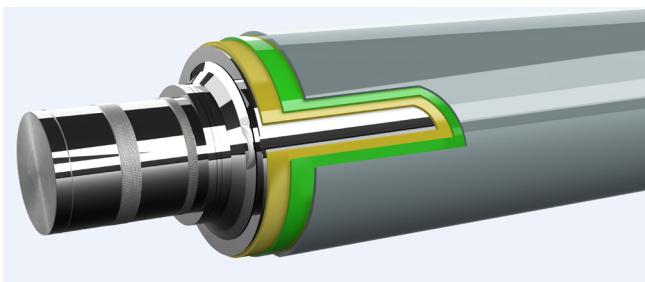
- Superior polyurethane cover for the super-soft cylinder couch, extractor couch, and lump breaker applications
- Excellent chemical and abrasion resistance
- Very tough with long running life



### Prestige

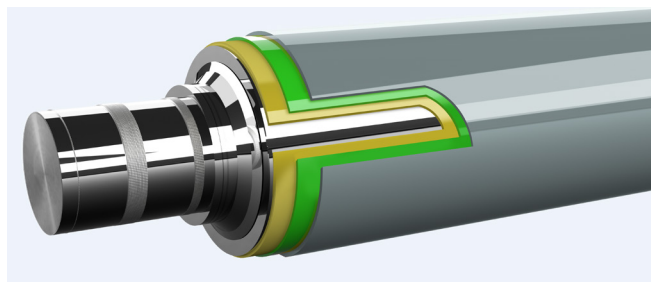
- Versatile and stable rubber cover for press coater size press and more
- Superior wear and abrasion resistance
- Higher temperature resistance compared to conventional rubber covers

## CALENDER ROLL COVERS



### Progloss

- Premium composite cover technology for superior gloss
- Excellent resistance to wear and impact
- Excellent durability
- Extended life potential

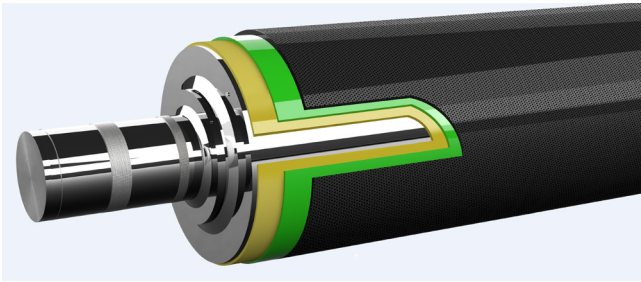


### Genesis

- Delivers toughness and durability in the most demanding supercalender and soft calenders
- Superior surface finish with exceptional abrasion resistance
- Long running life

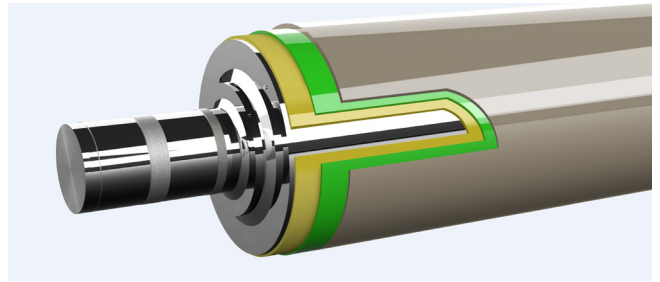


## COATER AND SIZE PRESS ROLL COVERS



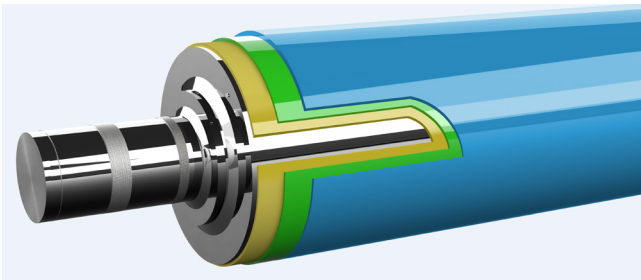
### Hyperstar

- Improved film wet-out for superior control of film split and misting
- Outstanding sheet release
- Excellent abrasion resistance
- Long life potential



### Multicoat HCX, Hypercoat

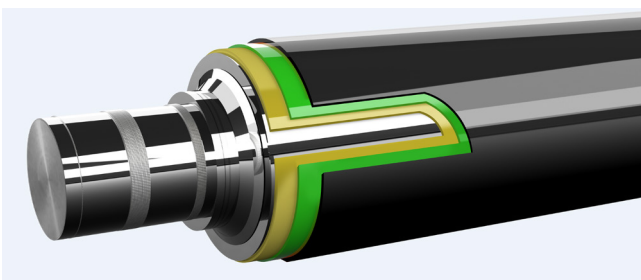
- High strength, very tough rubber covers for demanding coater applications
- Superior mark resistance and smooth surface
- Superior impact resistance
- Highly reliable with extended life potential



### Stargate Xtreme

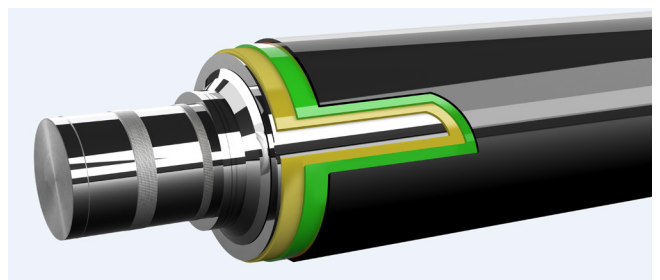
- Superior coating transfer
- Quick laydown and minimal misting for optimum release properties with reduced sheet stealing
- Wear and mark resistant, longer cover life

## NON-WORKING, CARRYING ROLL COVERS



### Dynastar

- Designed for the most abusive carrying roll positions
- Ideal cover for wet end applications through dry end positions
- Long life potential on a variety of positions



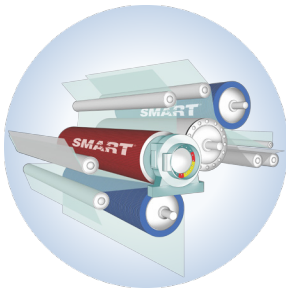
### Centurion

- Specially designed for fabric, felt and sheet carrying roll applications in both wet and dry positions
- Ideal for elevated temperatures, in dry static prone positions and with doctoring

# Our range of products and services goes well beyond just the roll cover itself



Suction roll disassembly and repair



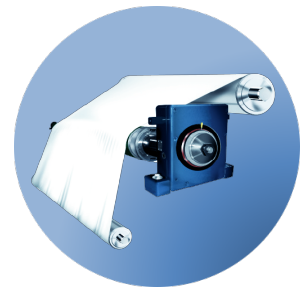
## **SMART™ technology**

Exclusive real-time 3D nip analytics provide on-the-run insight into difficult nipped roll positions.



## **Mechanical services**

Complete repair, refurbishment and rebuilds of any rolls-related machine components, including suction rolls.



## **Spreader rolls**

Global pioneer and technology leader of bowed spreader roll technology for every kind of web application.



## **Rezolve**

The industry's only predictive press simulation model to optimize your machine prior to any trials, without costly downtime.



## **Field services**

Fast and reliable in-mill repair and maintenance options, dependable product inspections and support.



## **Logistics, asset management**

OneTrac Roll Management software platform for roll cover forecasting, freight coordination and more.



## ROLL TECHNOLOGY FOR PREMIUM PERFORMANCE ON ALL YOUR TOUGHEST POSITIONS

Our global team of engineers are ready to customize the optimum roll cover solution specifically for each of your machines' positions. Our unique Rezolve analytics platform evaluates over 400 machine variables from SMART™ technology and in-mill surveys to determine not only the correct roll cover design but critical operating parameters that ensure peak machine efficiency with improved product quality on your most challenging positions.

For more details contact your ANDRITZ Fabrics and Rolls representative today and learn how our unique roll technology solutions can improve the performance of your machine.

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