



AUTOMATED THREADING PRESS SECTION

Safety and efficiency in focus

ANDRITZ

Automated threading system press to dryer section

In many cases, press-to-dryer threading can occur in a tight application where there is an extreme offset to the ropes. These conditions can be problematic to the process and the safety of operators because it requires hand threading often at reduced speeds.

While threading safety has always been a concern for papermakers, demand for improved safety has never been greater. This increased interest in worker welfare, coupled with the steady rise in production goals, has forced facilities to face the seemingly impossible task of implementing safety measures that won't compromise the efficiency of the machine. They need to eliminate manual interventions, without incurring more downtime in the process. New threading solutions from ANDRITZ make it possible to raise the bar on safety while simultaneously improving threading efficiency. These custom solutions

automate manual processes and fix issues of existing threading systems that no longer function as designed.

AUTOMATED THREADING SOLUTION / ROPE THREADING

Process automation creates a safer work environment for operators, increases machine uptime, and improves process reliability. With a focus on efficiency, this system typically reduces transfer time. The tail is present at the threading location. The operator initiates the sequence using the supplied push button station.

TECHNICAL PROCESS

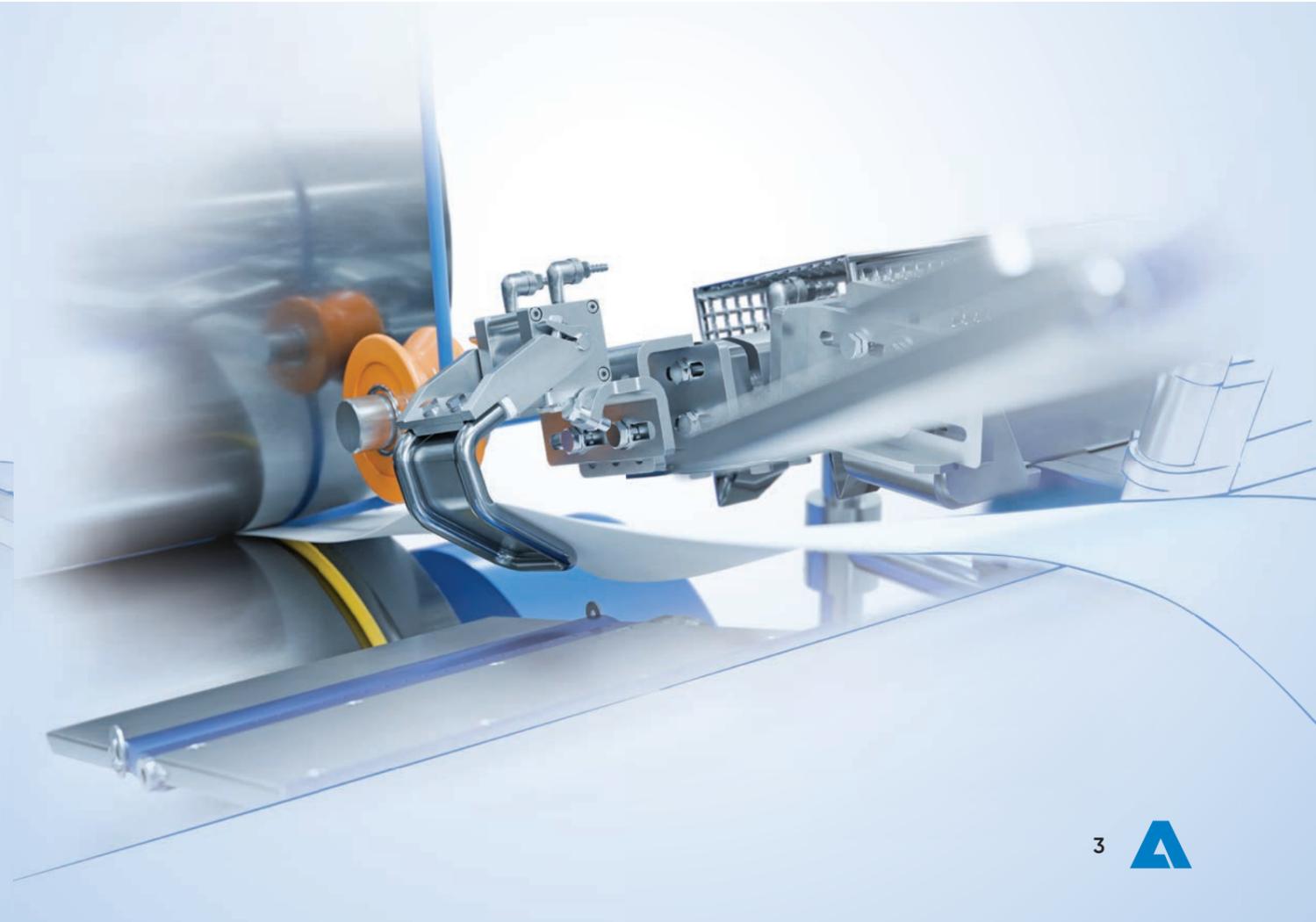
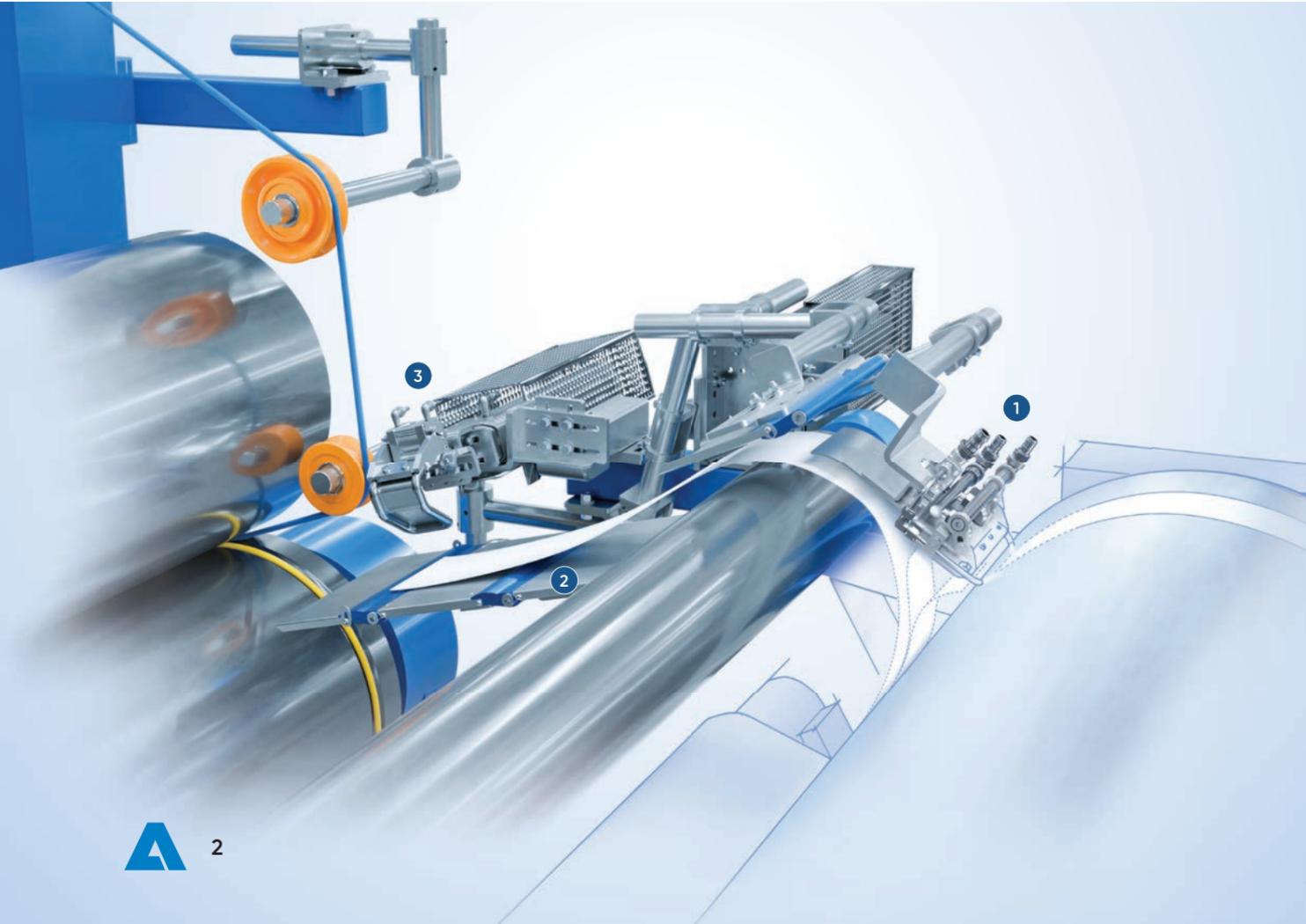
- 1 Wet Press with three air jets**
 - Bullhorns to sever the tail so that the "double tail" is not transferred
 - Peeling jet peels the tail from the roll or fabric surface
 - Vacuum air tray is used to transfer the tail to the air tray
- 2 Air Tray transfers the tail to the downstream press or felt nip**
 - Draw controls are used to removed slack from the tail
- 3 Tail Hand**
 - Linear tracks into the machine past the tail
 - Pivots to grab the tail
 - Linear tracks outside the sheet path pulling the tail into the dryer rope nip
 - If the dryer ropes do not thread the tail through the dryer sections, the tail hand can be used repeatedly to pull the tail into the dryer rope nip



Safety in focus

BENEFITS

- Increase machine efficiency
- Reduce threading time
- Safer work environment for operators





PrimeService FOR TISSUE, PAPER AND BOARD: IMPROVE YOUR MACHINE PERFORMANCE

ANDRITZ supplies spare parts and engineered wear products and provides customer-specific maintenance and upgrade services for your paper mill – from stock preparation to the reel, including automation solutions, and pumps.

Our service specialists are skilled and experienced at raising the production efficiency of a machine, process step, or production line. Their knowledge helps protect and extend the life of your equipment and lower your overall operating costs. The huge variety of ANDRITZ upgrade products provides performance improvements, energy and cost savings as well as return on investment (ROI) within shortest time. We work closely with you to monitor, maintain, repair, and upgrade your assets. Full support – technically, mechanically, and personally – is provided to you regardless of who originally manufactured your equipment.

EUROPE

ANDRITZ AG
Graz, Österreich
p: +43 316 6902 0

CHINA

ANDRITZ (CHINA) LTD.
Foshan, Guangdong, China
p: +86 757 8296 9222

NORTH AMERICA

ANDRITZ Inc.
Springfield, MA, USA
p: +1 413 750 4600

SOUTH AMERICA

ANDRITZ BRASIL LTDA.
Curitiba, Brazil
p: +55 41 2103 7601

ANDRITZ.COM/PRIMESERVICE

papermachine-service@andritz.com



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