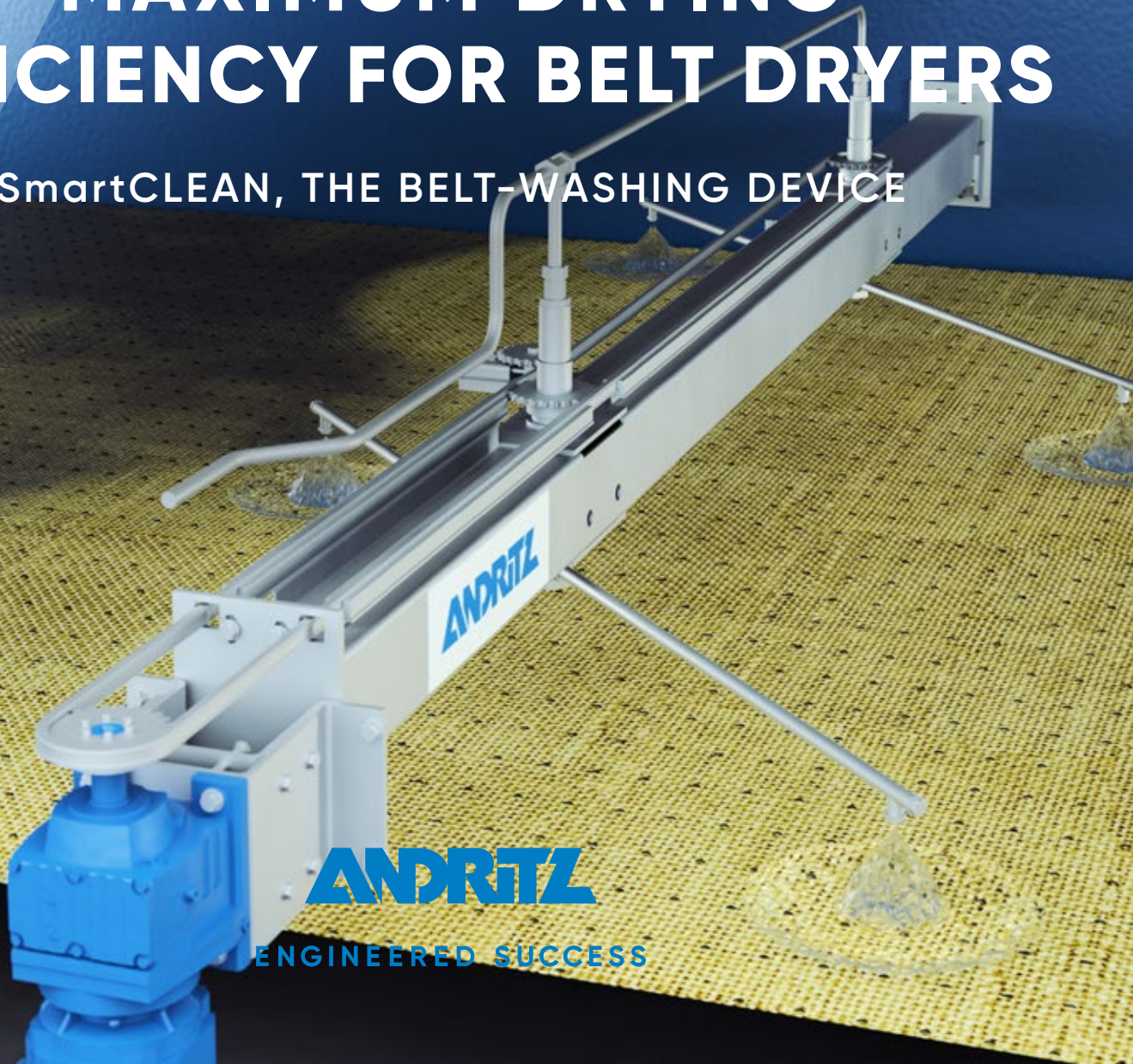




SEPARATION

MAXIMUM DRYING EFFICIENCY FOR BELT DRYERS

SmartCLEAN, THE BELT-WASHING DEVICE



ANDRITZ

ENGINEERED SUCCESS

Maximum drying efficiency

SmartCLEAN is an innovative belt-washing device for belt dryers that maximizes drying efficiency. The improved rotating design allows optimum cleaning with minimal use of high-pressure water. SmartCLEAN guarantees stable product quality over the whole belt width.

Every belt dryer is subject to contamination. Depending on the application, this can be caused by fine particles or fibers, as well as by resins from the product. It is often the case that when these factors are present, the open area between the cloth fibers are blocked. This results in an increased drop in pressure leading to reduced drying efficiency. Sometimes only portions of the belt become blocked, which in turn causes uneven air permeation and results in a product that is unevenly dried.

High-pressure water cleaning has a strong track record in cleaning the belt and ensuring optimum

drying performance. On the downside, this type of belt cleaning requires a lot of electrical energy and water consumption. So, what are the alternatives? One option is to use rotating cleaning devices that can minimize water consumption, but these often cause problems as they are unable to ensure optimum rotation speeds. Some systems also incur high costs due to the fact that specialized spare parts are needed.

That is why ANDRITZ has developed an innovative belt-cleaning system that offers multiple benefits with a simple, rigid mechanical design.



PROCESS FEATURES

- Reliable and proven cleaning efficiency using a small amount of high-pressure water (up to 120 bar) and rotating nozzle action
- Optional use of preheated water for contamination from sticky resins (e.g. bark drying)
- Defined and constant rotating speed (no temperature dependency)
- Means of controlling and synchronizing rotation speed with actual belt speed to obtain the best cleaning results at minimal cost

MECHANICAL FEATURES

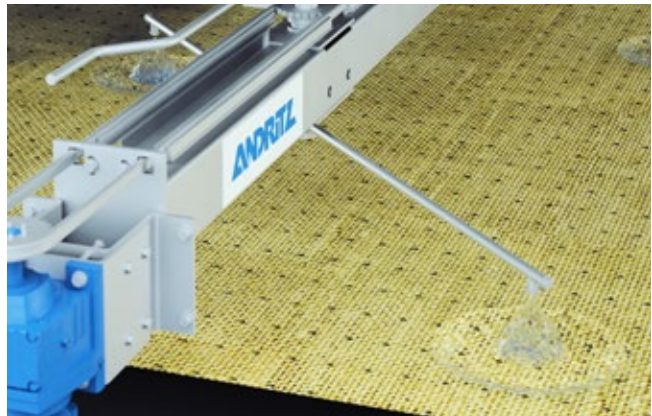
- Simple and sturdy design (chain drive is insensitive to dirt)
- Motor positioned outside of dryer casing
- Use of standard mechanical parts (standard chain and chain wheel, standard rotating joint...)
- Easy to retrofit to existing belt dryers

APPLICATION

SmartCLEAN can be used for all models and makes of belt dryers.

YOUR BENEFITS

- Maximum cleaning efficiency with minimal use of high-pressure water
- Stable product dryness over the whole belt width
- Easy maintenance with standard spare or wear parts
- Easy to retrofit
- Improved belt lifetime thanks to optimal cleaning



Your full-service provider

With ANDRITZ, you gain access to one of the world's largest OEM manufacturers for solid/liquid separation systems, including such well-known brands as 3Sys Technologies, Bird, Delkor Capital Equipment (Pty) Ltd., Escher Wyss dryers, Frautech, Guinard Centrifugation, KHD Humboldt Wedag, Krauss-Maffei centrifuges, dryers, and filters, Lenser, Netzsch Filtration, Rittershaus & Blecher, Royal GMF Gouda, Sprout Bauer, and Vandenbroek. Whether you need spare parts, rentals, local service, repairs, upgrades, or modernization of your equipment,

ANDRITZ is your true full-service provider. From initial consulting through to service agreements, process optimization, and training programs, we are always looking for ways to minimize downtime and increase predictability in operations while raising your overall production efficiency. Wherever you operate, our network of 550 service specialists and global service centers ensures we'll always be there to support you for many life cycles to come. Let's sit down and see how we could take your operations to the next level.



LOCAL SUPPORT



REPAIRS & UPGRADES



SECOND-HAND & RENTALS



TRAINING



OEM SPARE PARTS



SERVICE AGREEMENTS



PROCESS OPTIMIZATION



LAB AND ON-SITE TESTS



WHAT'S YOUR SEPARATION CHALLENGE?

ANDRITZ Separation is the world's leading separation specialist with the broadest technology portfolio and more than 2,000 specialists in 40 countries. For more than 150 years, we have been a driving force in the evolution of separation solutions and services for industries ranging from environment to food, chemicals, and mining & minerals. As the OEM for many of the world's leading brands, we have the solutions and services to transform your business to meet tomorrow's changing demands – wherever you are and whatever your separation challenge. **Ask your separation specialist!**

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