



SEPARATION

UP TO 10% MORE MACHINE AVAILABILITY THANKS TO FULLY AUTOMATIC CLEANING

SmartCLEAN, THE CLEANING-IN-PLACE SOLUTION
FOR HORIZONTAL PEELER CENTRIFUGES

ANDRITZ

ENGINEERED SUCCESS

SmartCLEAN – CIP for horizontal peeler centrifuges

Hygiene and safety always come first, especially in the chemicals and food industries. And while horizontal peeler centrifuges have offered reliable, high-capacity filtration up till now, cleaning of the complete process area inside the centrifuge has been synonymous with production downtime. The new SmartCLEAN cleaning-in-place solution for horizontal peeler centrifuges from ANDRITZ solves this problem with an easy-to-install upgrade kit including a software update for your control system. The result? Higher product quality without standstills for manual cleaning.



SAFETY AND CLEANING STANDARDS AS WELL AS PRODUCTION DEADLINES DEMAND SMART SOLUTIONS

Producers of chemicals, pharmaceuticals, and foodstuffs who rely on horizontal peeler centrifuges need to reconcile demands for the highest cleanliness standards with keeping production up and running. Verifiable hygiene standards can never be compromised and yet downtime is costly. What's more, previous CIP solutions have often proved expensive for older machinery, requiring extensive rebuilds such as reworking of the doors for example.

A SIMPLE APPROACH WITH IMMEDIATE RETURNS

This is why ANDRITZ has developed SmartCLEAN, the cleaning-in-place solution for horizontal peeler centrifuges. Consisting of an upgrade kit with multiple CIP elements such as spray balls, it allows optimal cleaning of the process area. And best of all? It can be installed by means of a single flange with no reworking required. The clamp connections eliminate the need

for drilling and welding, making it easy to assemble on site without any changes to the door. Older machines are rapidly transformed with a state-of-the-art design to deliver proven CIP results. So customers immediately benefit from cleaner equipment, higher product quality, and uninterrupted productivity.

YOUR BENEFITS

- Less downtime increases machine availability by up to 10%
- Significant cost savings of up to 50% compared to manual cleaning
- Improved product quality
- Avoids plugging with solids
- Frequent product changes possible
- Fast and cost-efficient installation – retrofit approach is 50% cheaper than ordinary rebuild



Krauss-Maffei HZ peeler centrifuge

APPLICATIONS

Ideal for horizontal peeler centrifuges with no CIP or limited CIP elements, the SmartCLEAN cleaning-in-place solution can be used for any process, primarily in the food (FDA/GMP plants), chemical, and multi-purpose sectors. Easy to install with no reworking required, the CIP kit can be used on any make and model of horizontal peeler centrifuge.

PROGRAM

To ensure fully automatic cleaning, the SmartCLEAN cleaning-in-place solution is equipped with a proven CIP program developed – together with operators – by ANDRITZ. In combination with several CIP elements, the program is a key factor in the verifiable cleaning effect demanded by today's producers.

The fully automatic cleaning stage of SmartCLEAN is connected to the control system (DCS or prepared as a plug-in solution for the addIQ control system).

Intelligence for machine and process control

With Metris addIQ, you have a well-proven, intelligent control solution for industrial processes and machines. Our solid/liquid separation specialists use their in-depth expertise to provide scalable solutions that are individually tailored to regional and application requirements. Whether you're automating new equipment or upgrading to extend the lifecycle of existing systems, we find the ideal solution for you.

METRIS addIQ CONTROL SYSTEMS

Our tailored turnkey systems from a single supplier can improve entire plants or individual machines. By providing state-of-the-art automation technologies and digitalization, we ensure best-in-class performance. Automating machine and plant equipment measurably reduces gaps in many different production process steps. By using automation from ANDRITZ, you can reduce downtime thanks to features such as predictive analysis that allow you to optimize productivity.

Metris addIQ covers all levels of automation, starting at basic automation (machine, process, and plant control), to upgrades, and add-ons for process optimization. Together, you have a full range of optimized solutions that help reduce maintenance efforts and ensure preventive service for your machines and plants. These are all delivered from a single source and always individually tailored to your business demands. addIQ control systems are part of Metris, the ANDRITZ brand for digital solutions.



Metris
ANDRITZ Digital Solutions



ANDRITZ offers a broad and constantly growing range of innovative products and services in the industrial digitalization sector under the brand name Metris, helping customers to enhance plant efficiency and profitability, optimize the use of resources, achieve constant and highest product quality, reduce production downtime, and maximize user-friendliness.



Put our 150 years of OEM experience to work for you

Need to optimize your process? Boost availability? Ensure non-stop productivity? When you work with ANDRITZ, you gain access to one of the world's largest OEM manufacturers for solid/liquid separation. Put our in-depth knowledge of separation equipment and processing to work for you.

VAST EXPERIENCE THROUGH LARGE INSTALLED BASE

With an installed global base of more than 55,000 solid/liquid separation machines and systems, you can imagine that we take service seriously. Wherever these customers are located, we work very closely with them to maximize uptime and boost efficiency.

WELL-KNOWN OEM BRANDS

Some customers know us as the people with ANDRITZ on our overalls. Others have come to understand that we are the OEM behind former brand names like 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 – all companies that have been acquired by ANDRITZ. But frankly, we are capable of servicing and supplying spare parts for nearly all brands of solid/liquid separation equipment on the market.

LOCAL SUPPORT BACKED BY GLOBAL EXPERTISE

Our service philosophy is simple: One phone call, one contact person, one dedicated team that speaks your language and knows your equipment and process. This is not an empty promise. It is backed by a network of 550 service specialists for separation equipment and systems as well as service centers all around the world.

A TRUE FULL-SERVICE PROVIDER

Whether you need spare parts, rentals, local service, repairs, upgrades, or modernization of your equipment, ANDRITZ is your service specialist in all aspects of separation. 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. In short, we've got you covered.



LOCAL SUPPORT

Responsive local service centers and field service technicians



REPAIRS & UPGRADES

Optimization of machine and process performance, repair work, retrofitting, and modernization



LAB AND ON-SITE TESTS

Lab and testing capabilities for process optimization and machine upgrades



TRAINING

Operator training and tailored seminars for operating and maintenance personnel



OEM SPARE PARTS

Filter cloths, spare and wear parts from OEMs or with OEM level quality, all readily available



SERVICE AGREEMENTS

Preventive maintenance, contracts for spare parts, maintenance, inspections, repairs, upgrades, operation, and equipment monitoring



PROCESS OPTIMIZATION

Automation tools and process expertise to boost your profit



SECOND-HAND & RENTALS

Certified second-hand and rental machines





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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