



THE REVOLUTIONARY HIGH-PERFORMANCE FILTRATION SOLUTION

ANDRITZ filter press MiningMaster ME4

ANDRITZ

Nowadays, the increasing volume of tailings generated by activities in the mining and minerals sector creates a variety of environmental challenges. In addition, water is a valuable commodity that should be preserved. It is, therefore, essential to find effective solutions to minimize these impacts, while also controlling costs. Considering your daily constraints, such as the need for easy maintenance, working in a safe environment, or ensuring high production while controlling costs, ANDRITZ has developed the overhead filter press MiningMaster ME4.



A real master for the mining industry

The overhead filter press MiningMaster ME4 redefines filtration efficiency, mainly for the mining and minerals industry, for targeted applications such as tailings or sand and gravels.

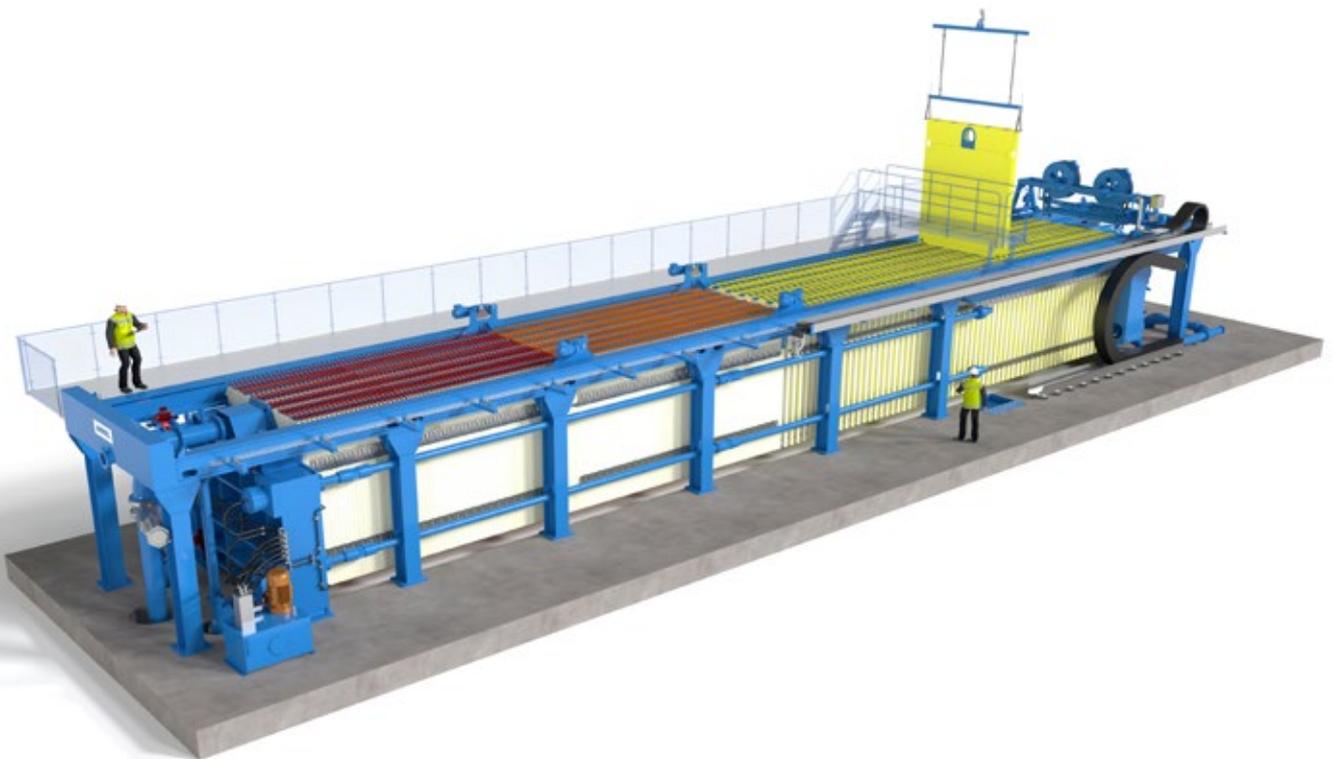
INNOVATIVE DESIGN WITH SPLIT BEAM

With its innovative design and available in two sizes (2000x2000 and 2500x2600), the MiningMaster ME4 offers easier maintenance through split beam technology and automated processes, while minimizing downtime and reducing operational costs. Its powerful performance delivers fast cake discharge and a high filtration area, ensuring maximum productivity.

The modular design allows for capacity upgrades, while intelligent automation optimizes process parameters. Its compact oil tank minimizes oil volume, and efficient electric motors enhance energy efficiency – making this filter press an even more environmentally friendly solution.

REVOLUTIONIZED FILTRATION PROCESSES WITH OPTIMAL PERFORMANCE AND REDUCED DOWNTIME

- Simplified maintenance reduces downtime and operating costs
- Enhanced safety for a safer workplace
- Unmatched productivity thanks to fast cake discharge system and large filtration area
- Flexible design for evolving needs
- Intelligent operation for performance optimization and reduced energy consumption
- Greener footprint with reduced oil consumption and improved energy efficiency



MiningMaster ME4: A modular design allows for capacity upgrades

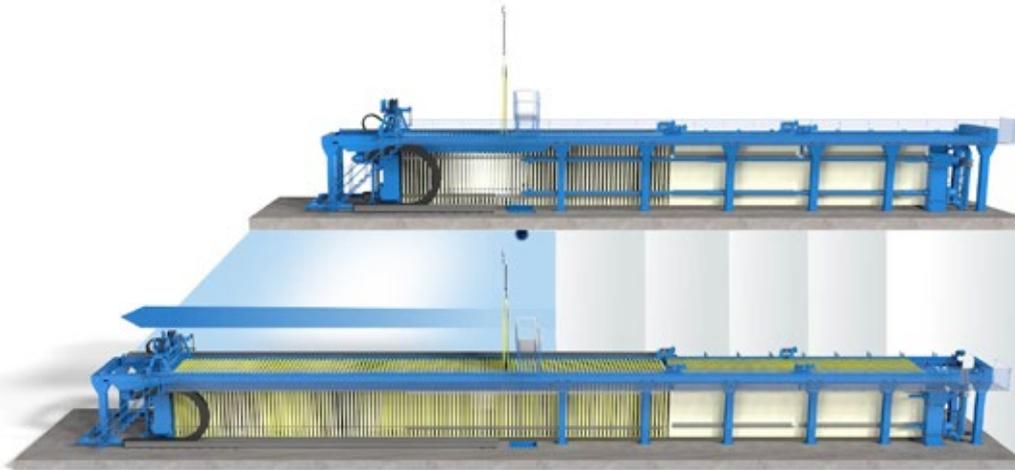
What makes this filter press so revolutionary

The ANDRITZ filter press MiningMaster ME4 delivers more productivity, greater flexibility, and enhanced safety - all with a maintenance-friendly design that minimizes downtime and maximizes efficiency.

HIGHER PRODUCTIVITY WITH UP TO 240 CHAMBERS WHILE BEING ENVIRONMENTALLY FRIENDLY

Thanks to modular design, capacity can be increased with additional filter elements. Also, while allowing for

more productivity (total volume of 60,000 liters per machine), the MiningMaster ME4 has been optimized and its weight minimized to be more environmentally friendly.

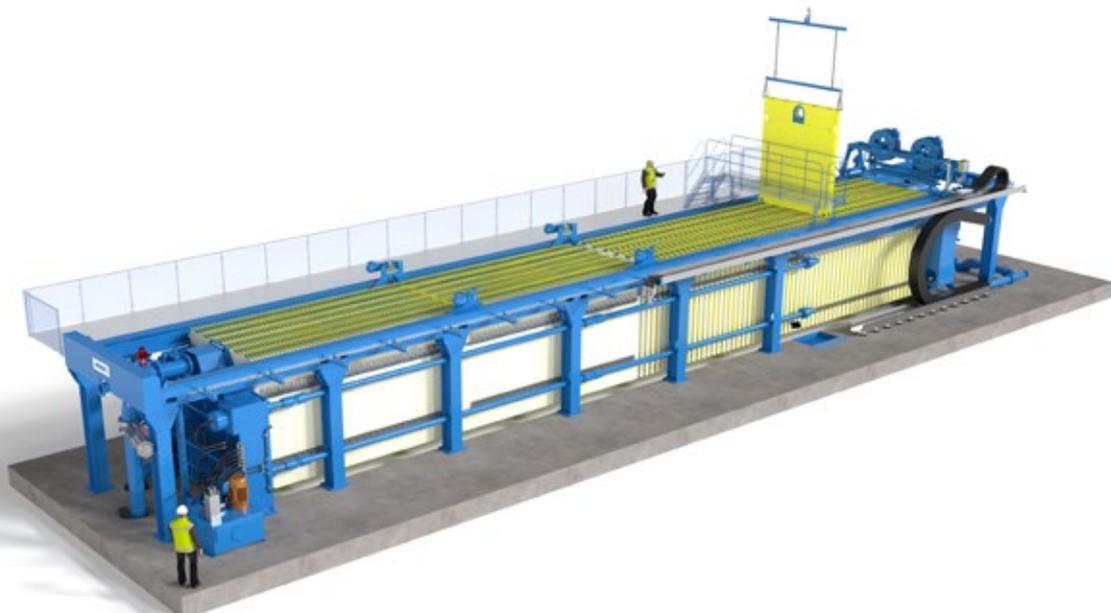


Extendable filter press to absorb more flow

FLEXIBILITY

Thanks to the functionality of the dividing plate in the linked plate package, it is possible to divide the plate package up to three parts, reducing the total length of

the filter press. Thanks to modular design, capacity can be increased with additional filter elements, thus absorbing more flow. For special applications, a new plate shifter for optimized and proper cake discharge is available.



Removal and replacement of filter clothes beside the filter press for more safety



EFFICIENT DOUBLE CLOTH WASHING

The MiningMaster is equipped with a high-pressure cloth washing (up to 80 bar), for optimal regeneration of the filter cloth and longer lifetime, keeping your filter press on constant performance.



High pressure cloth washing for filter cloth regeneration, safe operation, and constant performance

FASTER CLOTH CHANGE WITH FEED SHOE

To avoid complicated filter plate and cloth changes, the feed shoe design integrated in the MiningMaster ME4 is supporting an easy and fast change of filter cloth.



Faster cloth change with new feed shoe design

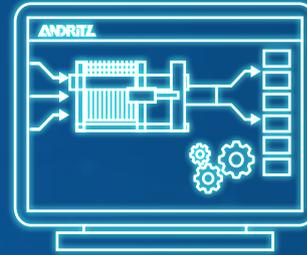
Capacity	Filter press performance equivalent to up to 10.000 t/d DS, per filter press
Water recovery	95%
Cake discharge with moisture	≈15%
Machine availability	>95%



MiningMaster ME4: More productivity of up to 60,000 liters total volume

Get ready for the future of filtration

With ANDRITZ filter press technology, you are ready to reap the benefits of digitalization and IIoT – fully scaled to your needs.



Four building blocks form an intelligent filter press

PROCESS OPTIMIZATION

Filter press operation is driven by process parameters, such as

- Pressure
- Temperature
- pH level
- Dry substance
- Throughput

MECHANICAL INNOVATIONS

These devices support improved, smooth filter press operation

- Tilt sensors for shifting plates
- Piston stroke device
- Shaking device

INTELLIGENT FILTER PRESS

PREDICTIVE MAINTENANCE

Additional sensors to support and monitor predictive maintenance

- Oil quality
- Filtrate quality
- Hydraulic pressure
- Filter plate service life

INDUSTRIAL DIGITALIZATION

This covers systems for monitoring and automatically adjusting process performance

- Metris addIQ control systems
- Filter cloth performance and service life
- Artificial intelligence applications

GET AN OVERVIEW

ANDRITZ intelligent filter press



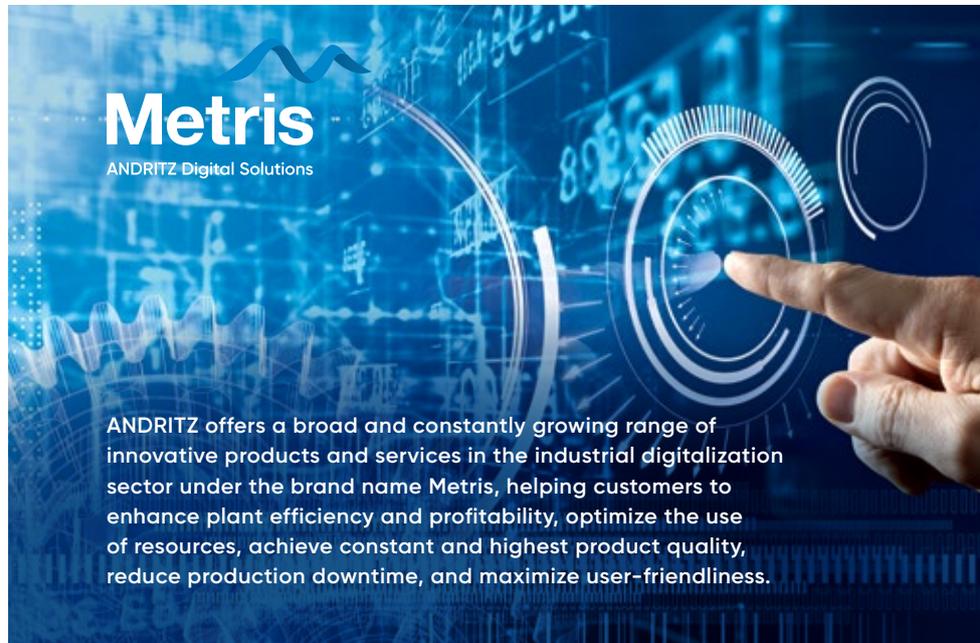
YOUR BENEFITS

- Increased capacity by optimizing cycle time
- Optimized process parameters
- Just-in-time detection of batch faults
- Ensures ideal process conditions for downstream equipment
- Increased process reliability thanks to quality monitoring features
- Optimized productivity for filter press plants

Intelligence for machine and process control

METRIS addIQ CONTROL SYSTEMS

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.



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.

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, Dedert, Delkor Capital Equipment (Pty) Ltd., Escher Wyss dryers, Guinard Centrifugation, KHD Humboldt Wedag, Krauss-Maffei centrifuges, dryers, and filters, LENSER Filtration, Netzsch Filtration, REINEVELD centrifuges, 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



A WORLD OF SEPARATION SOLUTIONS

ANDRITZ provides mechanical and thermal solid/liquid separation technologies, complemented by comprehensive services, automation, and digitalization solutions for the chemicals, environment, food and beverage, as well as mining and minerals industries. Our customized, innovative solutions focus on minimizing resource consumption and maximizing process efficiency, thus making a substantial contribution towards sustainable environmental protection. With over 150 years of experience and more than 2,700 separation specialists around the globe, we are a driving force in the evolution of separation solutions – enabling industries to meet tomorrow's demands responsibly. **ANDRITZ. FOR GROWTH THAT MATTERS.**

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