

Global standard in filtration systems

Merta+ HDR 1000 / Filtration System for Grinding Machines

Our high-capacity filtration unit series, specifically designed for central systems, is a hallmark of our company's innovation.

The Merta HDR series, equipped with a paper filter and a special sealing system, is designed to accommodate a significant volume of dirty liquid within the unit, allowing it to rise comfortably above the paper filter.

This design maximizes the hydrostatic pressure generated by the dirty liquid, enabling the selection of denser paper filters and enhancing their efficiency.

Incorporates a unique sealing system with high-end extraction

Tank-ridge waste oil separators

Fully automatic liquid level control (HMI panel option)

Equipped with a special conveyor system

Filtration sensitivity between 10 and 50 microns

Magnetic separator for magnetized metals

Low and high-pressure pumps

Features a custom-designed level system exclusive to Merta

These units come in various models with capacities ranging from 500 liters per minute to 2,000 liters per minute



Effective filtration, efficient space use: Merta+ HDR Series

Merta HDR, especially when it comes to high-flow filtration needs, offers significant advantages over other filtration systems. Its most prominent advantage lies in its compact footprint, which is significantly smaller than other systems with similar capacities (especially Gravity belt filters).

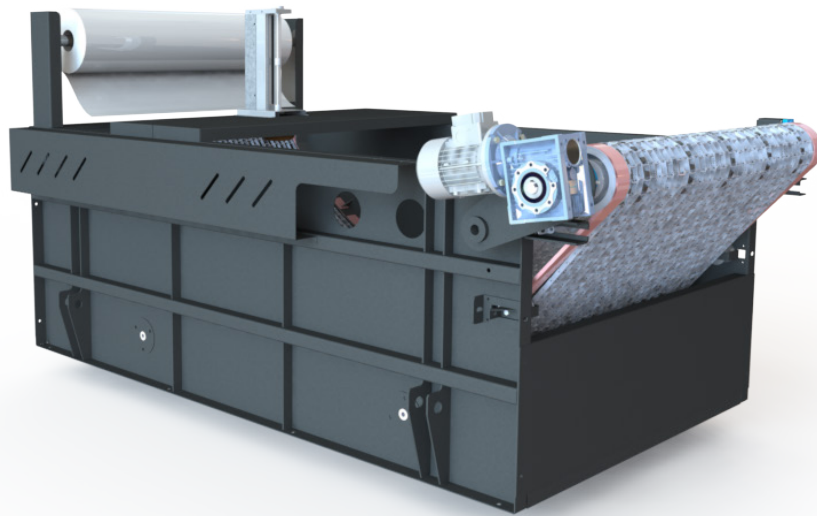
The Merta+ Compact unit is fully automated, ensuring hassle-free operation.

Our company manufactures HDR units with capacities ranging from **500 litres per minute to 2000 litres per minute.**

Our next-generation high-efficiency industrial particle liquid filtration system is designed to provide exceptionally precise results, especially for filtering a wide range of industrial liquids & metalworking fluids.

This system effectively filters and separate all forms of metal and non-metal contaminants from any coolant fluid, including oil and emulsions.

The filtration process within utilizes paper filters. Filtration level can be adjusted based on the specific paper filter chosen, offering a range from 10 microns to 50 microns.



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