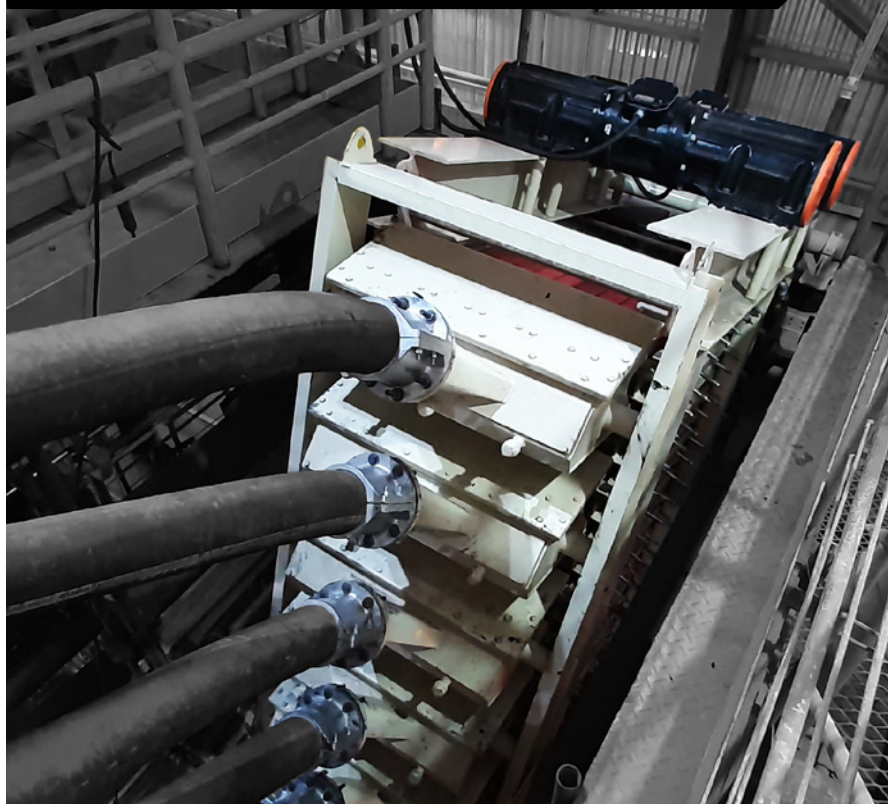


Metso

Screening solutions

UFS Series™ screens



Application

UFS Series screens can be utilized in all mining and minerals processing applications, gravel pits, and in aggregates production. They are ideal for fine wet separation in grinding circuits when the highest separation efficiency is required.

Metso ultra-fine screening technology delivers the highest levels of performance, reliability, and maintainability in a compact and cost-effective unit.

Fine wet classification

Fine wet classification plays an important role in the comminution process, as high-level efficiency improves all downstream processes. Hydrocyclones represent the most common technology, but many companies are looking for an alternative or something complementary to further improve grinding efficiency. UltraFine screening technology addresses the challenges that have previously limited the broad application of existing fine wet screens in the industry.

High sizing efficiency

The Metso UFS Series screen provides more accurate separation more cost effectively. It directly classifies particles by size, rather than mass, via the physical dimensions of the screening media aperture. In addition, it offers a sharper cut than hydraulic separation.

Utilizing a modular design with up to 10 individual screen decks nested together into a single vibrating assembly, the UFS Series screen delivers double the screening area relative to other fine-screening technologies in a much more compact assembly overall.

Accurate feed distribution across the 10 decks is critical, so the unit also incorporates a feed splitter box with improved design to ensure that the feed is evenly distributed across the complete width of each screen deck, increasing performance despite the compact size.

100% more screening capacity per unit footprint

The modular design offers double the screening capacity relative to other screening technologies in a much more compact assembly overall. Moreover, a smaller footprint results in reduced building and infrastructure cost.

Lower operating costs

Improved classification efficiency results in improved metallurgical recovery, reduced ultra-fines production and less circulating load in grinding operations. This, in turn, leads to reduced energy consumption in the classification circuit and requires smaller grinding ancillary devices, such as pumps, motors, pipe dimensions etc.

Better efficiency also results in improvements in all down stream processes:

Grinding: Savings in energy, linings and grinding media.

Flotation: Higher recovery, due to better particle size distribution.

Filtration: More efficient due to coarser concentrate.

Tailings handling: Easier due to reduction of ultra-fines.

Service and support close to you

Our experts are always ready to support you. We help you identify the best solution based on your challenges and targets, and we provide support and services throughout the screen life cycle.

Benefits

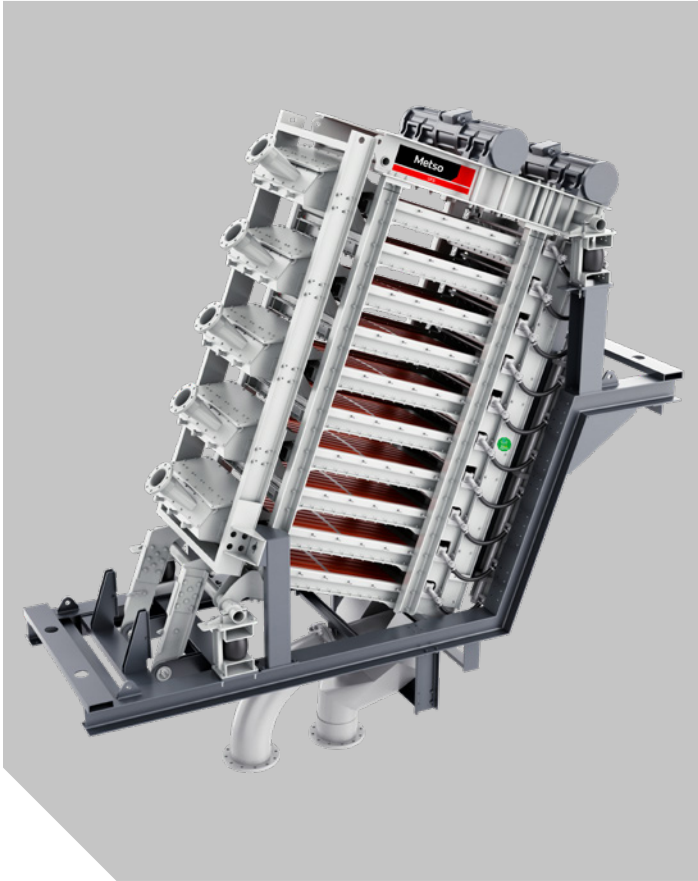
- Lower operating costs
- Higher screening efficiency
- Reduced footprint per unit screening area
- Turnkey packages with screens, media, parts, installation and commissioning

Metso UFS Series™ screens

High frequency screen to optimize your comminution process

Modular design with 2 to 10 individual screen decks nested together into a single vibrating unit

	UFS10	UFS8	UFS6	UFS4	UFS2
Technical specifications					
Type	Ultra-fine screen				
Motion	Linear				
Number of decks	10	8	6	4	2
Screen area	14.0 m ² / 150 sq ft	11.2 m ² / 120 sq ft	8.4 m ² / 90 sq ft	5.6 m ² / 60 sq ft	2.8 m ² / 30 sq ft
Screen total length/width	1.0m x 1.4m / 3.2' x 4.6'	1.0m x 1.4m / 3.2' x 4.6'	1.0m x 1.4m / 3.2' x 4.6'	1.0m x 1.4m / 3.2' x 4.6'	1.0m x 1.4m / 3.2' x 4.6'
Exciter(s)	Unbalanced motors				
Motor power	2 x 2.8 kW / 2 x 3.8 hp				
Speed	1000 to 1600 rpm				
Stroke	0.5 to 2.6 mm				
Inclination	20°				



Read more at metso.com/portfolio/ufs-series/

Metso

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Partner for positive change