Announcing the new benchmark for minerals separation...

...the Metso Mining Screen Range

Metso has leveraged its deep product knowledge, unequalled industry experience and exceptional design expertise to create a breakthrough product range of vibrating screens for the mining industry.

With its extraordinary pedigree, which includes names like Svedala, Allis-Chalmers, Hewitt-Robins and Nordberg, Metso is in a strong position to engineer customer success with an outstanding value package that includes innovative and proven screening technology.

Metso is launching a mining screen range designed specifically for the mining industry of the future, providing total solutions with:

- Groundbreaking technology
- Expert systems
- Guaranteed circuits
- Machines to fit any application
- A global supply chain

In other words – a mining screen range that is good enough to be called Metso.

Range includes the following models:

- MF (Multi-Flo) - linear motion curved decks
- RF (Ripl-Flo) - circular motion curved decks
- LH (Low-Head) - linear motion horizontal decks

3.6 m x 8.2 m DD secondary Multi-Flo screening -7" material at up to 4,000 tph at copper mine in North America
Testing and Product Centers

Global Network

Metso’s custom-built proprietary testing equipment more accurately predicts customers’ circuits. Through-life service and support, and purpose-built application test labs equal improved efficiency.

Our expertise is confirmed by our testing and product centers around the world.

Sorocaba, Brazil – test center.

Milwaukee, Wisconsin – complete crushing and screening plant, lab.

Sorocaba, Brazil – factory, foundry, warehouse, proprietary test equipment, full testing circuit, lab, engineering, FEA.

Mannheim, Germany – assembly, design, warehouse.

Newcastle, Australia – full fabrication and machine, engineering/FEA, assembly, warehouse.

Bawal, India – fabrication, machinery, assembly, warehouse, engineering.
Perfecting the process with Metso’s exclusive application and design knowledge.

**Expert Systems**

Metso leads the industry with these powerful systems.

- **Screen Security Package (SSP)**
- **Australian sizing program**
- **Bruno crushing and screening flow sheet**
- **Mineral process flow sheet**
Circuit Machinery with Matched Performance

Circuit Solutions

- Engineering customer success
- Optimized body design for SAG mill “super screens”
- Packaging capability ensures crushing circuit integrity
- One process guarantees “No Risk Circuits”
- “Ready to Run” screens with Trellex media and dust enclosures

Screen matched with Trellex media and dust enclosure
Monitoring Technology...

Screen Security Package (SSP)

**Complete protection:**
- 24-hour condition monitoring
- Online maintenance support
- Improves profits and uptime
- Increases MTBF
- Decreases operating expenses

**Innovative technology:**
- Patent pending stress monitoring
- Performance optimization
Monitoring Technology...

Linear Structural Bearing (LSB)

Expert field audits:

- Bearing condition
- Structure analysis
- Orbits
- Speed (RPM)
- FFT frequency analysis
- Cradle-to-grave audit program

Sample frequency test report

Sample LSB analysis

LSB hand-held device
Secondary and Tertiary Applications, Large Tonage

Metso Mining Screens

**Standard screen range:**
- Features a full line of products for any type of application
- Single and double deck
- From 1.8 m to 4.2 m wide
- From 4.8 m to 8.5 m long
For other sizes, consult local office for details.

**Low Head:**
- 2.4 m x 6.0 m DD
- Isolation frame
- Dust Enclosure

3-D model available for Engineering Layout

**ML Exciter:**
- Two exciter sizes supply the whole range of equipment
- Oil lubricated lip seals
- Gears optimized
- SSP/LSB compatible
- Externally adjusted flywheels
- Electronic brakes
V-Series cartridge Ripl-Flo mechanism:
- Lower stopping inertia
- Easy stroke adjustments

Multi-Flo:
- 3.6 m x 8.2 m SD Multi-Flo screen set up with SSP system

Ripl-Flo:
- New moderate banana incline series screens
- Improved performance
- No compromise on space
- 3.0 x 7.3 double deck incline screen

Additional screen types:
- Dewatering
- SAG mill
- Four bearing
- Fine dry sizing
- Trash screens
- Hot pellet screens
Primary and Scalping Applications, Large Tonnage

Feeders and Grizzlies

**Vibrating grizzly feeder**
Control feeding across the width

- Fabricated or cast grizzly bars
- Stepped deck configuration
- Adjustable openings
- Heavy duty side plate reinforcement (bi-duty cycle)
- AR sideplate liner protection
- AR pan liners (up to 1-1/2" thick) protecting impact areas
- Extra heavy duty cross members

**Grizzly Scalper**

**Pan Feeder**
Parts

**Replacement Parts:**
For Nordberg, Svedala, Hewitt-Robins, SECO, Allis-Chalmers, Tyler and more*

**Metso workshops around the world offer:**
- Local part availability and emergency service
- Genuine OEM replacement parts
- Competitive prices
- Thousands of parts in stock
- Immediate shipping

**Service products offer:**
- Field audits
- On-site assembly
- Rebuild programs

**Trellex:**
- Screen media
- Liners
- Dust enclosures

**Trellex LS HiPer Life**
Built tough for maximum load handling

**Trellex LS HiPer Flo**
At least 20% more active screening surface

**Trellex LS HiPer Clean**
Precision production without interruptions

**Trellex LS HiPer Drain**
Precision and exceptional dewatering

* North America only
Our Nordberg, Barmac and Lokotrack brand ranges:

- C Series jaw crushers
- LT Series mobile crushing plants
- Complete plants for aggregate production
- Primary gyratory crushers
- NW Series portable plants
- Complete plants for recycling
- GP Series cone crushers
- HP Series cone crushers
- MP Series cone crushers
- NP Series horizontal impact crushers
- Barmac vertical shaft impact crushers
- Laboratory crushers

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