

Banana screens, variable elliptical motion

TS Series Screens



Elliptical motion

- Outstanding strong stratification
- High energy screening action



Fast travel speed



Medium travel speed



GC

- Shaft line is located above the Gravity Center (GC) to achieve elliptical motion with variable angles.

TS screen

Decreasing travel speed

- Strong stratification effect
- More time and more surface to screen the near size particles



Low travel speed



Conventional screen

Constant travel speed

- High bed depth all the way
- Poor stratification effect



Back plates

- Quickly removable
- Faster for panel replacement

Environmental

Low power draw

- Versus the processed tonnage

Spring Suspension

- Safe for fingers
- Very good isolation ratio
- Dynamic isolation buffers

Dust sealing (optional)

- Bolted snap on profiles to attach the rubber skirt (partial or full perimeter)
- Standard TS has holes in sideplates
 - ↳ snap on profiles can be easily retrofitted

Process control & flexibility

Removable plugs for check up during operation

- To gauge the bed depth
- Material sampling of the fines included in the oversize

Spray pipes option

- Standard TS has pre-existing holes in sideplates (with rubber plugs)
- Stationary spray pipes can easily be retrofitted



Easy maintenance and secured reliability

Feedbox

- Heavy duty rubber liners are standard
- Liners are bolted and replaceable

Shaft line above the screen

- Not in the material flow
- Easy access and easy maintenance

Weldfree sideplates and huckbolted construction

- Maximum durability

Greater clearance between decks

- Operator can access easily

Discharge lips

- Heavy duty rubber liners are standard
- Liners are bolted and replaceable

Centralized lubrication point

- Easy access to the grease fittings
- Optional grease unit easily connected

Faster

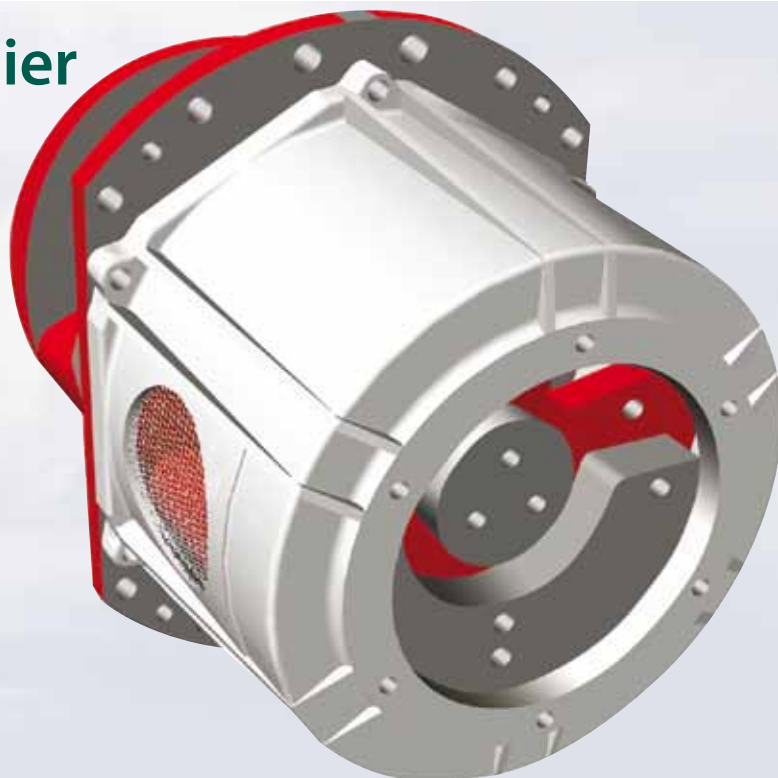
Safer

- Two bearings per vibrator...
...Four bearings per shaft line
- Long bearing life

- Grease lubrication design
- No oil leakage and external contamination
- From 50 hours up to 200 hours greasing intervals
- Automatic greasing unit option



Easier



- **Stroke adjustability**
- **Suit to all applications**

- **Real cartridge design**
- **No bearing change out environment**

■ **MV Exchange Program**

Trade your used MV vibrator for a credit towards a new unit or a factory rebuilt unit

- **Renewed bearing life**
- **Less downtime**



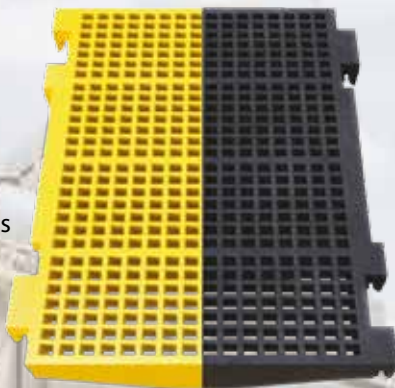
Experience

makes the match

Trellex Screening Media and Metso Screens – naturally better together

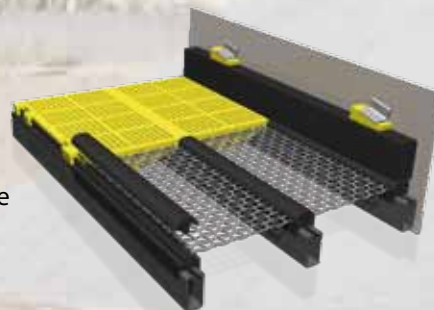
Trellex LS. Trellex LS modules are the result of more than 50 years of experience and development. Optimized for Metso Screens, Trellex LS helps you achieve higher volume processing with minimal interruptions. And thanks to the industry's only true global sales and support network, Trellex LS modules are always available quickly and conveniently wherever you are. Make sure your Metso Screen is always producing at its cost-effective best. Match it with Trellex LS screening modules.

- Injection moulded rubber ensures consistent material performance properties throughout
- Open cast, dual-hardness polyurethane design for exceptional performances
- Minimal maintenance design keeps costs down and production up
- Customizing with moulded or punched apertures
- Optional stepped deck configuration for more effective throughput of fines
- Onsite advice, measuring, testing and installation help from experienced Trellex reps



Get the right match fast with Trellex LS wire inserts

The Trellex LS wire insert system is an effective way to fine tune your deck configuration in the shortest possible time. Normally, one to four rows at the discharge end are equipped with Trellex LS wire inserts during a new screen installation. Thanks to quick delivery times and the low cost of wire cloth, aperture sizes can be changed and tested quickly to get the right specification for the switch to polyurethane or rubber modules. With Trellex LS wire inserts, your screen will be up and running accurately in no time.



NEW!

Trellex LS HiPer. Give your Metso Screen the highest performance upgrade possible. HiPer is our most advanced product line, grouped into three top performing series offering even higher load capacity, more efficient material screening and zero interruptions due to pegging or blinding. And since they're designed, produced and delivered by Trellex, you can plan your screening media system with a mix of Trellex LS standard and HiPer modules for maximum effectiveness and value.

HiPer Life

Built tough for maximum load handling.

- Injection moulded wear-resistant rubber compound – lasts at least 30% longer
- Riding bars for higher capacity and longer life
- Moulded apertures to reduce risk of pegging
- Higher temperature resistance

HiPer Flow

At least 20% more active screening surface.

- More moulded apertures on every module
- Saves time and money. More processing surface = more material processed
- Long-lasting open cast polyurethane design
- Lightweight, no steel frames, recyclable

HiPer Clean

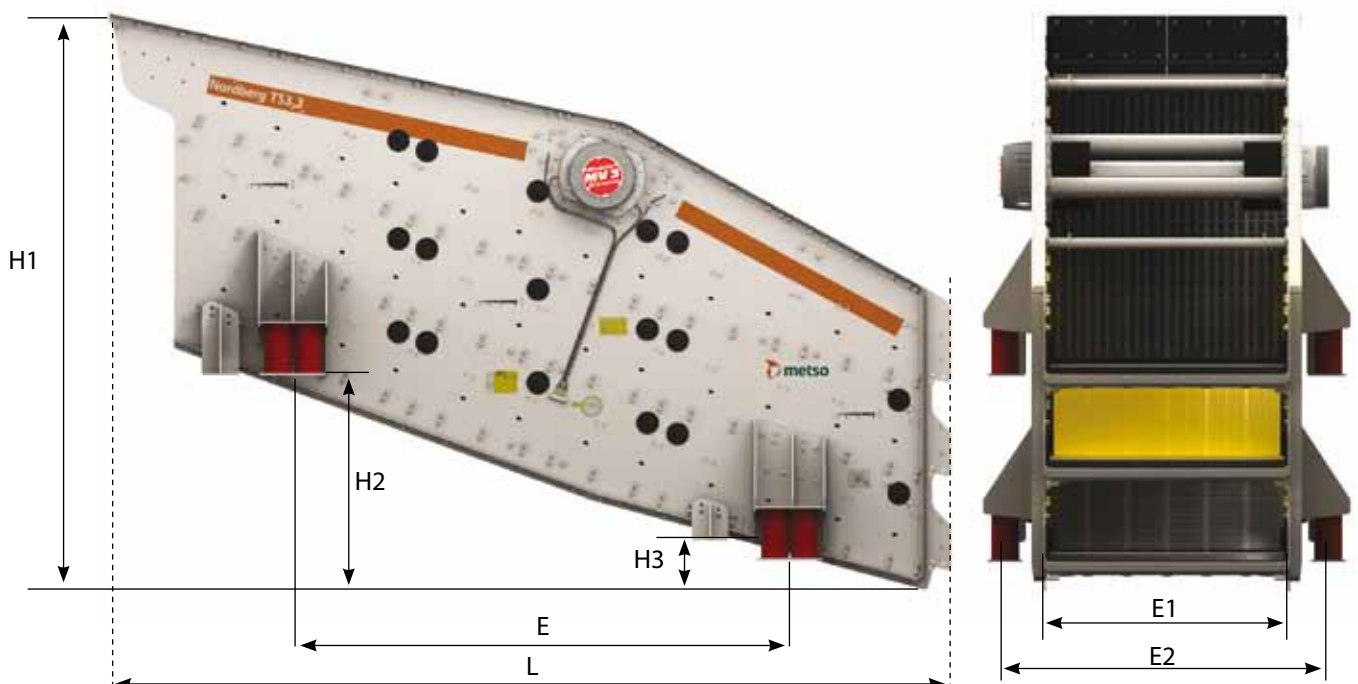
Precision production without interruption.

- Flexible membrane and moulded apertures prevent blinding and pegging
- GUARANTEED to stay clean, even for high moisture material
- Injection moulded flexible rubber construction ensures consistent material performance properties throughout
- Highly accurate, ideal for finer separations



TS screen	Deck dimension	Area	Decks	MV	Motor	Weight
TS 2.2	1 500 x 5 000 mm 4.9 x 16.4 ft	7.5 m ² 80.4 Sqft	2	MV2	15 kW 20 hp	6 t / 6.6 sht
TS 2.3			3			8 t / 8.8 sht
TS 3.2	1 800 x 6 000 mm 5.9 x 19.7 ft	10.8 m ² 116.2 Sqft	2	MV3	22 kW 30 hp	8 t / 8.8 sht
TS 3.3			3			10 t / 11 sht
TS 4.2	2 400 x 6 000 mm 7.9 x 19.7 ft	14.4 m ² 155.6 Sqft	2	MV4	30 kW 40 hp	9 t / 9.9 sht
TS 4.3			3			12 t / 13.2 sht
TS 5.2	2 400 x 8 300 mm 7.9 x 27.2 ft	20 m ² 214.9 Sqft	2	MV4	30 kW 40 hp	16 t / 17.6 sht
TS 5.3			3	2 x MV3	2 x 22 kW 2 x 30 hp	20 t / 22 sht
TS 6.2	3 000 x 8 300 mm 9.8 x 27.2 ft	25 m ² 269 Sqft	2	2 x MV3	2 x 22 kW 2 x 30 hp	20 t / 22 sht
TS 6.3			3	2 x MV4	2 x 30 kW 2 x 40 hp	24 t / 26.5 sht

TS screen	H1	H2	H3	L	E	E1	E2
TS 2.2	4 076 mm 160.5 in	1 529 mm 60.2 in	229 mm 9 in	5 831 mm 229.6 in	3 462 mm 136.3 in	1 530 mm 60.2 in	2 138 mm 84.2 in
TS 2.3							
TS 3.2	4 280 mm 168.5 in	1 648 mm 64.9 in	261 mm 10.3 in	6 332 mm 249.3 in	3 800 mm 149.6 in	1 839 mm 72.4 in	2 446 mm 96.3 in
TS 3.3							
TS 4.2	4 350 mm 171.3 in	1 618 mm 63.7 in	216 mm 8.5 in	6 350 mm 250 in	3 785 mm 149 in	2 445 mm 96.3 in	3 060 mm 120.5 in
TS 4.3							
TS 5.2	6 357 mm 250.3 in	2 195 mm 86.4 in	188 mm 7.4 in	8 595 mm 338.4 in	5 963 mm 234.8 in	2 445 mm 96.3 in	3 060 mm 120.5 in
TS 5.3							
TS 6.2	4 810 mm 189.3 in	2 576 mm 101.4 in	380 mm 14.9 in	8 734 mm 343.8 in	5 946 mm 234.0 in	3 045 mm 119.8 in	3 647 mm 143.5 in
TS 6.3	5 529 mm 217.6 in	2 609 mm 102.7 in	435 mm 17.1 in	8 736 mm 343.9 in	5 868 mm 231.0 in		





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