



New

Lokotrack ST458 Mobile Screen





Lokotrack ST458 – the new three-deck mobile SmartScreen™

Metso Minerals, the world leader in rock and mineral processing, now launches the new Lokotrack ST458 track-mounted mobile screen. The ST458 provides the ideal solution for jobs requiring high production capacity and a large screen area for fine screening.

The standard unit is capable of producing four end products, three sized and one dependant on throughput from the reject grid. Depending on the application, an optional two-deck vibrating grid can be installed to yield even four sized fractions.

SmartScreen™ technology

The IC300 intelligent controller featuring SmartScreen™ technology offers fully automated control of all machine functions during the screening process. Screen speed and amplitude in conjunction with conveyor speeds are constantly monitored and adjusted, giving higher production rates and more accurate final products.

Heavy-duty construction

The solid construction, demonstrated in the sufficient weight of the Lokotrack ST458, provides for increased durability while allowing the ST458 the ability to withstand the rigors of heavy applications.

The ST458 is mounted on heavy-duty twin 400-millimeter-wide (15.75") hydraulically driven tracks, giving maximum on-site mobility with low ground pressure. Remote and radio control options provide for safe, easy movement around the work site. Process adjustments and tipping of the grid are also possible from the radio control.

The feed conveyor assembly has been mounted as a cassette. The entire unit may be removed easily through the rear hopper door, providing full access to the conveyor belt and all conveyor components.

Large three-deck, two-bearing screen

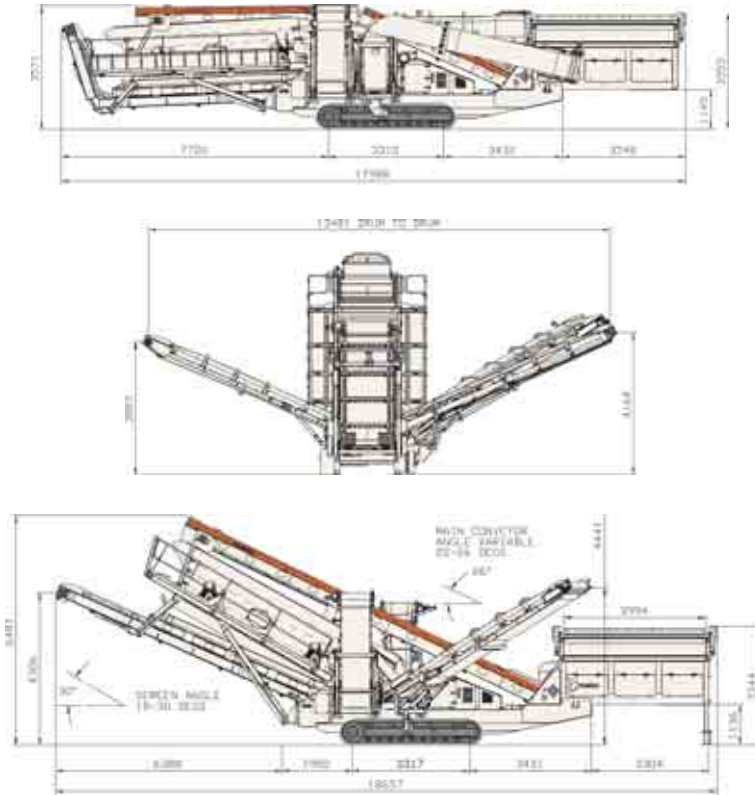
The unique end-to-end crowning of the 5.4 m x 1.5 m (18' x 5') ST458 screen box in conjunction with SmartScreen™ technology allows for higher production rates and more efficient separation of difficult materials.

The four on-board stockpiling conveyors allow for fast setup by eliminating the need for off-plant stacking conveyors. The self-cleaning side conveyors have a patented folding mechanism that provides a compact profile for transport. The side conveyor discharge heights offer a large stockpile capacity and also allow the unit to work in closed circuit with Lokotrack mobile crushing plants.

Lokotrack ST458 highlights

- ✓ Large three-deck, two-bearing screen
- ✓ SmartScreen™ automation with IC300 intelligent controller
- ✓ Modular design for easy and quick service
- ✓ Built with proven, first-class components





Technical data:

Standard features

- Screen box
- Hopper
- Heavy duty tipping grid
- Hydraulic hopper support legs
- Patented hydraulic folding side conveyors
- Maintenance platform
- Emergency stop system
- Cassette style removable feeder
- Variable speed conveyors
- Remote screen box greasing location
- Remote control of movement
- Remote and manual control of tipping grid

Options

- Grid bar spacing
- Impact shredder
- Vibrating grid
- Dust covers
- Off-plant stacking conveyor connection
- Radio control of movement and process control
- Side walkways
- Chute liners
- LT-ST interlocking cable
- Dust suppression system
- Mast light

Specifications

Operational length	18 400 mm	(60' 5")
Operational height	5 800 mm	(19' 0")
Hopper capacity	7.5 m ³	(9.6 yd ³)
Loading height	3 300 mm	(11')
Loading width	4 648 mm	(15' 3")
Hydraulic tank capacity	431 l	(114 gal)
Diesel fuel capacity	170 l	(45 gal)
Engine make/model	Deutz BF4M1013EC	
Engine type	4 cylinder liquid cooled diesel	
Engine power	110 kW	(148 Hp)
Screen box size	5 480 mm x 1 500 mm (18' x 5')	
Screen box type	2 bearings	
Screen area per deck	7.9 m ²	(85 ft ²)

Transport dimensions

Length	17 990 mm	(59')
Width	3 000 mm	(9' 10")
Height	3 570 mm	(11' 9")
Weight	31 200 kg	(68 780 lbs)

Metso Minerals Crushing Equipment
Our ranges:

Unit Crushers

C Series jaw crushers
Primary gyratory crushers
GP Series cone crushers
HP Series cone crushers
MP Series cone crushers
NP Series horizontal impact crushers
VI Series vertical impact crushers
Barmac Series vertical impact crushers
Lindemann Series metal crushers
Nordberg laboratory crushers

Mobile Equipment

LT Series mobile crushing plants
NW Series portable plants

Complete Plants

Complete plants for aggregate production
Complete plants for recycling

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Construction**

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