

Lokotrack Mobile screens





Lokotrack ST2.4

The Lokotrack® ST2.4™ mobile screen combines high capacity with clean, accurate end products from all feed materials. The unit also offers the lowest cost per ton produced in the size class through improved fuel economy, high capacity and low operating costs.

Lokotrack ST2.4 sets a new standard in terms of set-up time. All that is required to transform the screen from transport to operating position is to unfold the conveyors, set the screen angle and raise the feeder up hydraulically.

An optimized hydraulic circuit, Caterpillar® diesel engine, high-quality components and fabrications come as standard with the ST2.4. All of these combined increase productive time and reduce costly down time.

Screening media changes are made very easy for the operator and the unit has an excellent access way created by raising the screen hydraulically to provide a safe, easily-accessible working environment.

To meet different process requirements, such as recycling and heavy duty pre-screening, the Lokotrack ST2.4 offers a variety of different options. The apron feeder provides capacity and reliability in the most demanding quarry applications. Grizzlies, finger bars, Trelex® and a variety of steel meshes provide flexibility for tuning the process. Spare parts and service are available through Metso's worldwide network.

Features

Screen	3 640 x 1 524 mm (12' x 5')
Feed hopper	4.5 m ³ (5.9 yd ³)
Engine	CAT® C4.4, 75 kW (100 hp)
Weight	23 500 kg (52 000 lbs)



"We were extremely impressed with the production capability of the ST2.4. The overall quality and ease of service are also outstanding. This may be the best track mounted screen Metso has ever produced."

Greg Jones
General Manager
Inter-Mountain, USA



Lokotrack ST2.8

Lokotrack ST2.8 makes the scalping of sticky recycling material look easy. The design principle has been simple: to optimize capacity in demanding scalping and to minimize unprofitable time on site.

The stickier the feed material the more throw needed in the scalping screen. Lokotrack ST2.8 has the biggest eccentric throw on the market to make it the best unit for the screening of top soil, demolition waste and river gravel. Additionally, ST2.8 can be fine tuned even for sand applications. The clearance under the screen has been increased by 20% and the bottom deck area is larger compared with ST272™.

In multistage crushing processes, the removal of fines is easy with a two-way split option. This feature combines material flow from the first and second deck to the main conveyor and maximizes the capacity and efficiency of the crushing process. Belt feeder and chevron belts are standard features of Lokotrack ST2.8.

Lokotrack ST2.8 is ready for screening in minutes thanks to hydraulically operated conveyors and screen including a patent pending feeder mechanism. Lokotrack ST2.8 is 25% lighter than similar machines. Because the weight is lower, transportation is easier. The fuel-efficient scalping process can be started with safe push buttons or by the optional Metso IC300™ process control system.

Features

Screen	4 866 x 1 524 mm (16' x 5')
Feed hopper	4.5 m ³ (5.9 yd ³)
Engine	CAT® C4.4, 75 kW (100 hp)
Weight	26 000 kg (57 000 lbs)



The Lokotrack ST engine module provides you with an easy user interface and good access for daily maintenance.



Lokotrack ST3.5

The Lokotrack® ST3.5™ is designed with compact transport dimensions, high-quality components, and to meet the latest global health and safety legislation. The standard ST3.5 two-deck Lokotrack is capable of producing two-sized fractions, and depending on the application, an optional two-deck vibrating grid can be installed to yield fractions of three sizes.

The high capacity two-bearing two-deck screen box is equipped with interchangeable screen meshes minimizing customer stock holding costs. The Lokotrack ST3.5 is designed to achieve the lowest sustainable cost per ton and it has unmatched efficiency and capacity in its size class.

Work safety is ensured by the built-in safety features of all the components, structural solutions and low voltage control system.

CAT® C4.4 diesel engine, together with an efficient hydraulic system, enables trouble-free and cost-efficient operation also in demanding applications and extreme climate conditions. Compact dimensions and low transport weight add value through lower transport costs.

Features

Screen	3 580 x 1 524 mm (11'9" x 5')
Feed hopper	5.5 m ³ (7.2 yd ³)
Engine	CAT® C4.4, 75 kW (100 hp)
Weight	23 000 kg (51 000 lbs)



"We use our Lokotrack ST3.5 both in recycling and quarrying. Thanks to its compact size, the unit can be easily transported on a normal trailer, which is a big plus for us."

Andrea Renzi
Managing Director
Re.i.cal, Italy



Lokotrack ST3.8

The Lokotrack® ST3.8™ mobile screen provides precise screening and high capacity within compact dimensions. Its double deck screen, the IC300™ process control system and powerful CAT® C4.4 makes it a great unit to work with in various standalone and Lokotrack multistage processes.

The new engine package provides the best fuel efficiency due to the optimized hydraulic system and easy access to the service locations. The IC300 process control system offers single-button startup and the possibility to interlock the ST3.8 with other Lokotrack crushing and screening plants.

Screen meshes are interchangeable, which means less hassle on-site and with inventory, in addition to quick adaption to different applications. Side platforms come as standard to enable safe maintenance of the unit.

High-quality components and engineering without compromises ensure trouble-free production. With features like radio remote control and a double deck vibrating grizzly, you can fine-tune the Lokotrack ST3.8 to perfectly match your personal requirements.

Features

Screen	5 480 x 1 524 mm (18' x 5')
Feed hopper	7.5 m ³ (9.6 yd ³)
Engine	CAT® C4.4, 75 kW (100 hp)
Weight	28 000 kg (62 000 lbs)



Lokotrack ST4.8

The Lokotrack® ST4.8™ mobile screen produces four end products with its triple-deck screen. The unit has a product conveyor and three side conveyors. All the conveyors are hydraulically foldable and the ST4.8 is transported as a single unit. The IC300™ process control system and powerful CAT® C4.4 make it a great unit to work with in various standalone and Lokotrack multistage processes.

The new engine package provides the best fuel efficiency due to the optimized hydraulic system and easy access to the service locations. The IC300 process control system offers single-button startup and the possibility to interlock the ST4.8 with other Lokotrack plants.

Screen meshes are interchangeable, which means less hassle on-site and with inventory, in addition to quick adaption to different applications. Side platforms come as standard to enable safe maintenance of the unit.

High-quality components and engineering without compromises ensure trouble-free production. With features like radio remote control and a heavy duty air filter, you can fine-tune the Lokotrack ST4.8 to perfectly match your personal requirements, including closed circuit applications with other Lokotrack crushing and screening plants.

Features

Screen	5 480 x 1 524 mm (18' x 5')
Feed hopper	7.5 m ³ (9.6 yd ³)
Engine	CAT® C4.4, 75 kW (100 hp)
Weight	32 000 kg (71 000 lbs)



"It has been a big surprise that we are able to produce all of the high-quality end products that we need: from different sizes of aggregates to fine sand, all accurately classified with the two mobile screens."

Bülent Yılmaz
Site foreman
Eren Construction, Turkey

Lokotrack mobile screens

	ST2.4™	ST2.8™	ST3.5™	ST3.8™	ST4.8™
Transport dimensions					
Length	14 200 mm (46' 7")	15 400 mm (50' 7")	14 350 mm (47' 1")	18 300 mm (60')	18 320 mm (60' 1")
Width	2 990 mm (9' 10")	3 000 mm (9' 10")	3 000 mm (9' 10")	3 190 mm (10' 6")	3 190 mm (10' 6")
Height	3 400 mm (11' 2")	3 560 mm (11' 8")	3 460 mm (11' 4")	3 420 mm (11' 3")	3 630 mm (11' 11")
Weight	23 500 kg (52 000 lbs)	26 000 kg (57 000 lbs)	23 000 kg (51 000 lbs)	28 000 kg (62 000 lbs)	32 000 kg (71 000 lbs)
Screen					
Size	3 640 x 1 524 mm (12' x 5')	4 870 x 1 524 mm (16' x 5')	3 580 x 1 524 mm (11' 9" x 5')	5 480 x 1 524 mm (18' x 5')	5 480 x 1 524 mm (18' x 5')
Area (top deck)	5.6 m ² (6.7 yd ²)	7.4 m ² (8.9 yd ²)	5.5 m ² (6.6 yd ²)	8.4 m ² (10 yd ²)	8.4 m ² (10 yd ²)
Number of decks	2	2	2	2	3
Feeder					
Hopper	4.5 m ³ (5.9 yd ³)	4.5 m ³ (5.9 yd ³)	5.5 m ³ (7.2 yd ³)	7.5 m ³ (9.6 yd ³)	7.5 m ³ (9.6 yd ³)
Loading height	3 054 / 3 450 mm (10' / 11' 3")	3 300 / 3 680 mm (10' 10" / 11' 1")	3 290 mm (10' 9")	2 315 / 3 345 mm (7' 7" / 11')	2 315 / 3 345 mm (7' 7" / 11')
Loading width	3 000 mm (9' 10")	3 000 mm (9' 10")	4 260 mm (14')	4 650 mm (15' 4")	4 650 mm (15' 4")
Conveyors' discharge height					
Product conveyor oversize	3 300 mm (10' 10")	3 440 mm (11' 3")	o	o	o
Side conveyor oversize	o	o	3 860 / 4 500 mm (12' 9" / 14' 8")	4 390 mm (13' 7")	4 770 mm (14' 7")
Side conveyor midsize	3 650 mm (12')	4 190 mm (13' 9")	3 860 / 4 500 mm (12' 9" / 14' 8")	4 390 mm (13' 7")	3 883 mm (12' 9")
Side conveyor bottom deck	o	o	o	o	4 165 mm (13' 8")
Side conveyor undersize	3 780 mm (12' 5")	4 340 mm (14' 3")	o	o	o
Product conveyor undersize	o	o	3 080 mm (10' 3")	4 300 mm (14' 4")	4 300 mm (14' 2")
Engine					
Model	CAT® C4.4	CAT® C4.4	CAT® C4.4	CAT® C4.4	CAT® C4.4
Power	75 kW (100 hp)	75 kW (100 hp)	75 kW (100 hp)	75 kW (100 hp)	75 kW (100 hp)
Fuel tank capacity	273 l (71 gal)	273 l (71 gal)	273 l (71 gal)	273 l (71 gal)	273 l (71 gal)
Process control	o	IC300™	o	IC300™	IC300™
Options					
Various grizzly options	•	•	•	•	•
Various screening medias	•	•	•	•	•
Apron feeder	•	•	o	o	o
Vibrating grizzly	o	o	•	•	o
Light mast	•	•	•	•	•
Remote radio control	•	•	•	•	•
Hopper extensions	•	•	o	o	o
Dust encapsulation	o	o	•	•	•
Water spraying system	o	o	•	•	•
Pre-heater for engine	•	•	•	•	•
Hot / cold climate kit	•	•	•	•	•
Extreme cold climate kit	•	•	•	•	•
Heavy duty air filter	•	•	•	•	•
Rear platform	o	o	•	•	•
Overband magnetic separator	•	•	o	o	o
Hydraulic power take off	o	o	•	•	o
Feeder stop with LT IC	•	•	•	o	o
Interlocking cable	o	•	o	•	•
Rock box	o	o	•	•	•

*option



Lokotrack ST2.8

A Metso distributor



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Expect results



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