

TRACKED MOBILE HEAVY DUTY SCREEN



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883+

The high performance Terex Finlay 883+ is designed to work after a primary crusher or on it's own as a frontline tracked mobile screening machine. Applications include quarrying, mining construction and demolition debris, topsoil, recycling, sand, gravel, coal and aggregates. The plant has the capacity to process at a rate of up to 600 tonnes per hour and can be fed either by a tracked mobile crusher, shovel or an excavator.

Features:

- ▶ The banana profile and increased area of the new bottom deck maximizes screening of fines material.
- ▶ Modular configuration screen box with 4.8m x 1.5m (16' x 5') top deck and 4.8m x 1.5m (16' x 5') bottom deck screen.
- ▶ Aggressive screen box can accept bofar bars, speedharps, woven mesh, punch plate, tines and cascade fingers.
- ▶ Screen box angle can be hydraulically adjusted to an angle between 13° - 19°.
- ▶ Screen box discharge end can be hydraulically raised 500mm to facilitate efficient and easy media access and changing.

STANDARD FEATURES

Tier 3 / Stage IIIA Caterpillar C4.4 - 4 cylinder diesel engine developing 83kW (111.3hp) 2200 rpm

Tier 3 / Stage IIIA Caterpillar C4.4 ATAAC ACERT - 4 cylinder diesel engine developing 97kW (130hp) @ 2200rpm

Stage IIIA Perkins 1104 97kw Constant Speed Engine - 4 cylinder diesel engine developing 97kW (130hp) 1800 rpm - Europe Only

Tier 4F / Stage IV - Caterpillar C4.4 - 4 cylinder diesel engine developing 98kW (131hp) @ 2200 rpm

Abbrasion Resistant plate steel pan apron feeder with heavy duty chain drive

Hopper capacity: 7m³ (9.16yd³)

No grid unit

Remote start stop of pan feeder

Hydraulic raise for mesh changing (500mm)

Both top and bottom decks 4.8m x 1.53m (16' x 5')

Galvanised catwalk around screen c/w handrail, kick board and access ladder

Screen box reject chute (1)

Belt width: 1.2m (48") O/S conveyor with twin drive and chevron belt (3.6m discharge height)

Skirting on oversize conveyor

Belt width: 800mm (32") chevron belt on middle grade conveyor with variable speed & thumper roller

Belt width: 800mm (32") plain belt on fines conveyor with variable speed & belt scraper

Seperate hydraulic drive for both transfer and fines conveyor

Heavy duty undercarriage unit with 400mm wide pads - 3.28m sprocket centres

Control operation of tracks via hand held-set with 5m connection lead

Safety guards in compliance with machinery directive

Low level greasing

Emergency Stops (4 nr)

Hopper / Feeder

- ▶ Hopper Capacity: 7m³ (9.16yd³)
- ▶ Feed height: 3.6m (11' 10")
- ▶ Feed in width: 2.6m (8' 7")
- ▶ Drive: Hydraulic variable speed drive via high torque gearbox
- ▶ Apron feeder dimensions: 1m wide x 3.81m (40" x 12' 6")
- ▶ Speed: variable, 0 - 25mpm (83ft/min)
- ▶ Abrasion Resistant steel pan apron feeder mounted with wide mouth opening

Powerunit

- ▶ Tier 3 / Stage IIIA: Caterpillar C4.4
Engine Power: 83kW (111.3hp)
Engine Speed: 2200 rpm
- ▶ Tier 3 / Stage IIIA: Caterpillar C4.4
Engine Power: 97kW (130hp)
Engine Speed: 2200 rpm
- ▶ Stage IIIA Constant Speed: Perkins 1104
Engine Power: 97kW (130hp)
Engine Speed: 1800 rpm
- ▶ Tier 4F / Stage IV : Caterpillar C4.4
Engine Power: 98kW (131hp)
Engine Speed: 2200 rpm

Fines conveyor

- ▶ Belt width: 800mm (32")
- ▶ Belt spec: plain belt
- ▶ Working Angle: 24° - 28°
- ▶ Rosta scraper on head drum
- ▶ Speed: variable speed, 120 m/min (394 ft/min) max belt speed
- ▶ Standard Discharge Height: 4m (13' 1") max
- ▶ Stockpile capacity: 95m³ (124yd³) max
- ▶ Optional telescopic section
- ▶ Extended Discharge Height: 4.8m (15' 9") max
- ▶ Stockpile capacity: 164.48m³ (215.14yd³) max

Undercarriage

- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 3.28m (10' 9")
- ▶ Speed: 0.8kph
- ▶ Gradeability: 24.8°
- ▶ Raking Angle: 12° min



Screenbox

- ▶ Top deck: 4.8m x 1.53m (16' x 5')
- ▶ Bottom deck: 4.8m x 1.53m (16' x 5')
- ▶ Tensioning top deck: side
- ▶ Tensioning bottom deck: end
- ▶ Drive: hydraulic with heavy duty bearing (130mm)
- ▶ Catwalks: Galvanised access catwalk on both sides of screen
- ▶ Screen Angle: 13° - 19°, hydraulic adjustable
- ▶ Screen Speed: 1000 rpm
- ▶ Screen stroke Min/Max range: 8 - 10mm (0.3" - 0.4")
- ▶ Screen stroke standard: 8mm (0.4")
- ▶ Screen box discharge end raises hydraulically 500mm to facilitate mesh changing
- ▶ Total screening area: 14.4m² (155ft²)

Midgrade Conveyor

- ▶ Belt width: 800mm (32")
- ▶ Belt spec: chevron belt
- ▶ Working Angle: 22° - 26°
- ▶ Speed: variable speed 120 m/min (394 ft/min) max belt speed
- ▶ Standard Discharge Height: 3.4m (11' 2") max
- ▶ Stockpile capacity: 58m³ (76yd³) max
- ▶ Optional telescopic section
- ▶ Extended Discharge Height: 4.1m (13' 45") max
- ▶ Stockpile capacity: 102.5m³ (134.1yd³) max



Transfer conveyor

- ▶ Belt width: 1.2m (48")
- ▶ Belt spec: 3 ply Belt, EP 400
- ▶ Belt Speed: 83 m/min (272 ft/min)
- ▶ Conveyor fully skirted

Oversize conveyor

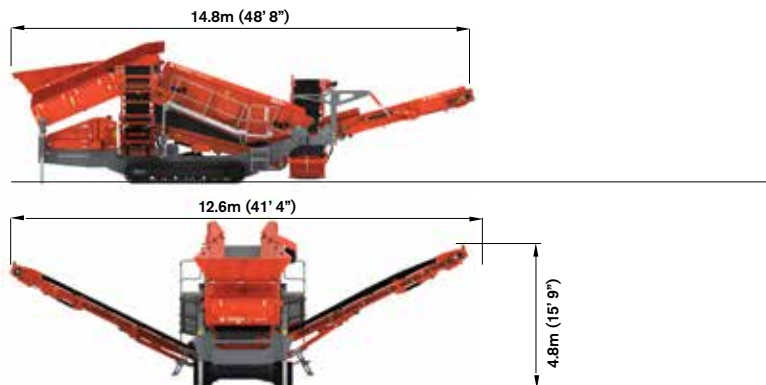
- ▶ Belt width: 1.2m (48")
- ▶ Belt spec: 3 ply Belt, EP 400
- ▶ Working Angle: 18° - 24°, hydraulic adjust
- ▶ Speed: Variable speed, 50 m/min max belt speed
- ▶ Impact bars 2/3 Length of Conveyor
- ▶ Steel skirted full length of conveyor
- ▶ Discharge Height: 3.6m (11' 10")
- ▶ Stockpile capacity: 70m³ (91yd³) max



Transport Dimensions



Working Dimensions



Machine Weight: * 31,000kg (68,340lbs)
 * Standard Machine configuration

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