

TRACKED MOBILE HEAVY DUTY SCREEN



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The Terex Finlay 873 is ideally suited to working in aggregates, sand and gravel, top soil, construction demolition and recycling applications. This highly versatile machine can be fed either by a tracked crusher, shovel or an excavator and has the capacity to process at a rate of up to 450 Tonnes per hour. Now available with dual power technology option. On-board electrical motors allow flexibility to run from an outside power supply or standard on-board engine.

Features:

- ▶ Screen box angle can be hydraulically adjusted to an angle between 13° to 19°.
- ▶ Screen box discharge end raises hydraulically 500mm to facilitate mesh changing.
- ▶ Screen box can accept punch plate, cascade fingers, bofar bars and speedharps.
- ▶ Galvanised access catwalk on both side of screen.
- ▶ Oversize conveyor angle can be adjusted from 18° to 24°.
- ▶ 1.2m wide Belt feeder complete with 7m³ manual folding hopper.

STANDARD FEATURES

ENGINE:

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

Stage 3A Caterpillar C4.4 97kW Constant Speed Engine - 4 cylinder diesel engine developing 98kW (131hp) 1800 RPM - Europe Only

FEEDER:

Beltfeeder with 1.2m (40") plain belt

Fixed Hopper

Remote start stop of pan feeder

SCREENBOX:

Modular configuration screen box

Hydraulic raise for mesh changing (500mm)

Both top and bottom decks 3.66m x 1.5m (12' x 5')

No mesh included for any deck (but all mesh fitting parts included as standard)

OVERSIZE CONVEYOR:

Belt Width: 1.2m (48") chevron belt & skirting

MIDDLEGRADE CONVEYOR:

Belt Width: 800mm (32") chevron belt with variable speed & thumper roller

FINES CONVEYOR:

Belt Width: 800mm (32") Plain belt with variable speed and belt scraper

ELECTRICAL:

Emergency Stops (4 nr)

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

Hopper / Feeder

- ▶ Hopper Capacity: 7m³ (9.16yd³)
- ▶ Feed height: 3.56m (11' 8")
- ▶ Feed in width: 2.6m (8' 6")
- ▶ Drive: Twin drive motor gearbox arrangement
- ▶ Belt width: 1.2m (48")

Powerunit

- ▶ Tier 3 Equivalent: Caterpillar C4.4
Engine Power: 83kW (111.3hp)
Engine Speed: 2200 rpm
- ▶ Tier 3 Equivalent: Caterpillar C4.4
Engine Power: 97kW (130hp)
Engine Speed: 2200 rpm
- ▶ Stage IIIA Constant Speed: Caterpillar C4.4
Engine Power: 98kW (131hp)
Engine Speed: 1800 rpm
- ▶ Tier 4F / Stage IV : Caterpillar C4.4
Engine Power: 82kW (110hp)
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: 5.1m (16' 9") max

Undercarriage

- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 2.92m
- ▶ Speed: 0.9kph
- ▶ Gradeability: 27°

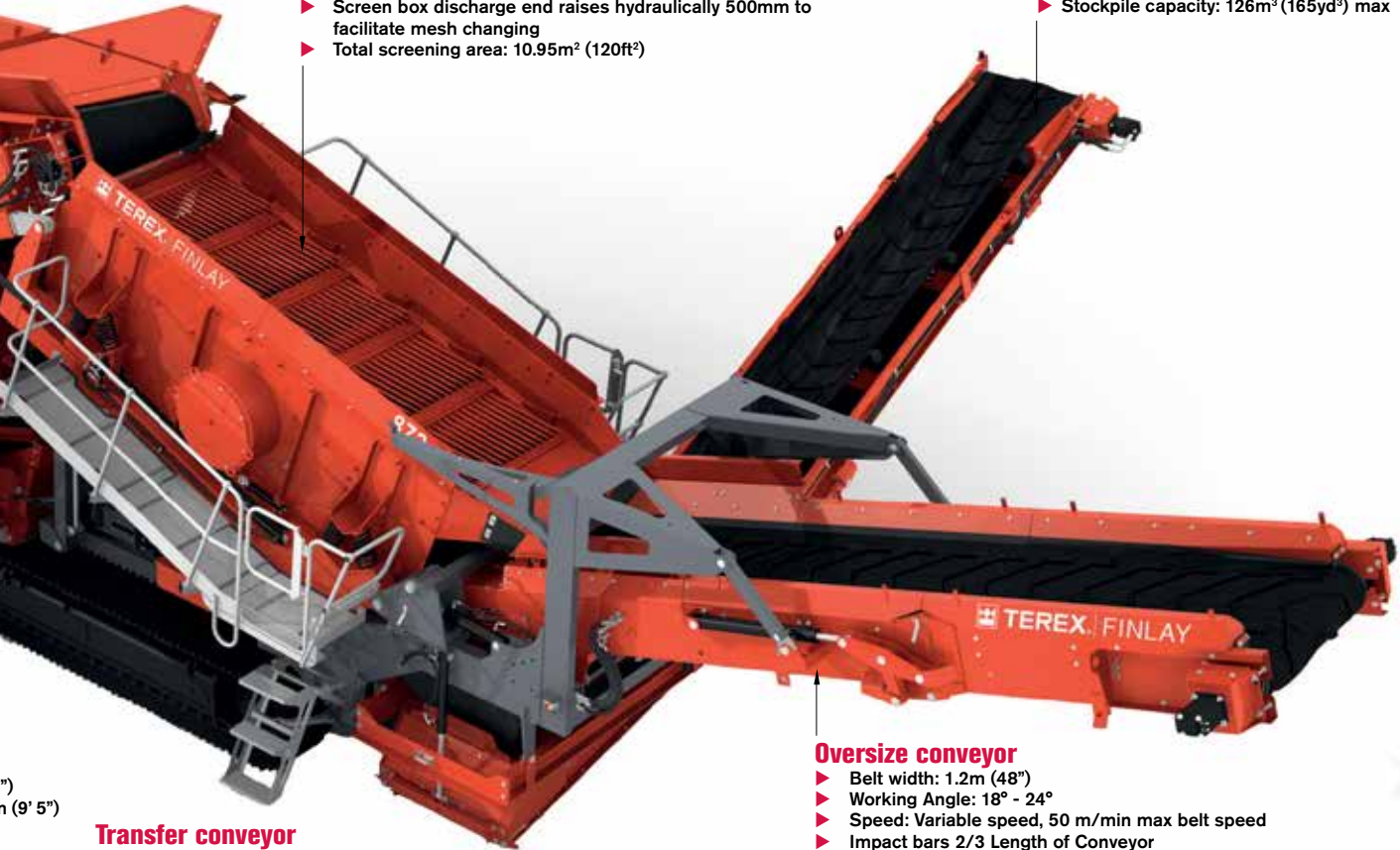


Screenbox

- ▶ Top deck: 3.66m X 1.53m (12' X 5')
- ▶ Bottom deck: 3.66m X 1.53m (12' X 5')
- ▶ Tensioning top deck: side
- ▶ Tensioning bottom deck: end
- ▶ Drive: hydraulic with heavy duty bearing
- ▶ Catwalks: Galvanised access catwalk on both side of screen
- ▶ Screen Angle: 13° - 19°, hydraulic adjustable
- ▶ Screen Speed: 1000 rpm
- ▶ Screen stroke: 8mm (0.4")
- ▶ Screen box discharge end raises hydraulically 500mm to facilitate mesh changing
- ▶ Total screening area: 10.95m² (120ft²)

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: 4.4m (14' 5") max
- ▶ Stockpile capacity: 126m³ (165yd³) max



Oversize conveyor

- ▶ Belt width: 1.2m (48")
- ▶ Working Angle: 18° - 24°
- ▶ Speed: Variable speed, 50 m/min max belt speed
- ▶ Impact bars 2/3 Length of Conveyor
- ▶ Steel skirted full length of conveyor
- ▶ Discharge Height: 3.5m (11' 5")
- ▶ Stockpile capacity: 64m³ (70yd³) max

Transfer conveyor

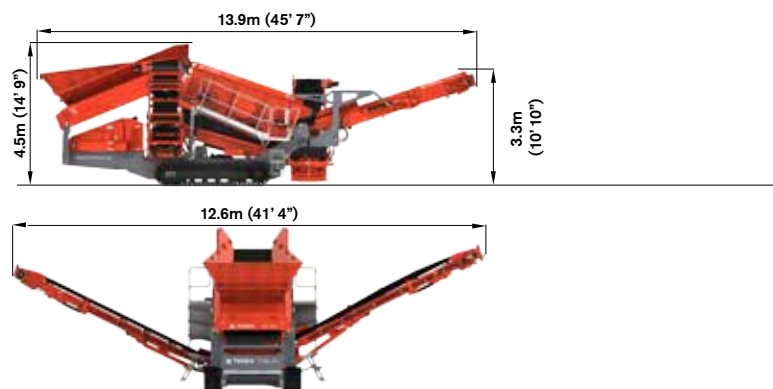
- ▶ Belt width: 1.2m (48")
- ▶ Belt Speed: 83 m/min (272 ft/min)
- ▶ Conveyor fully skirted



Transport Dimensions



Working Dimensions



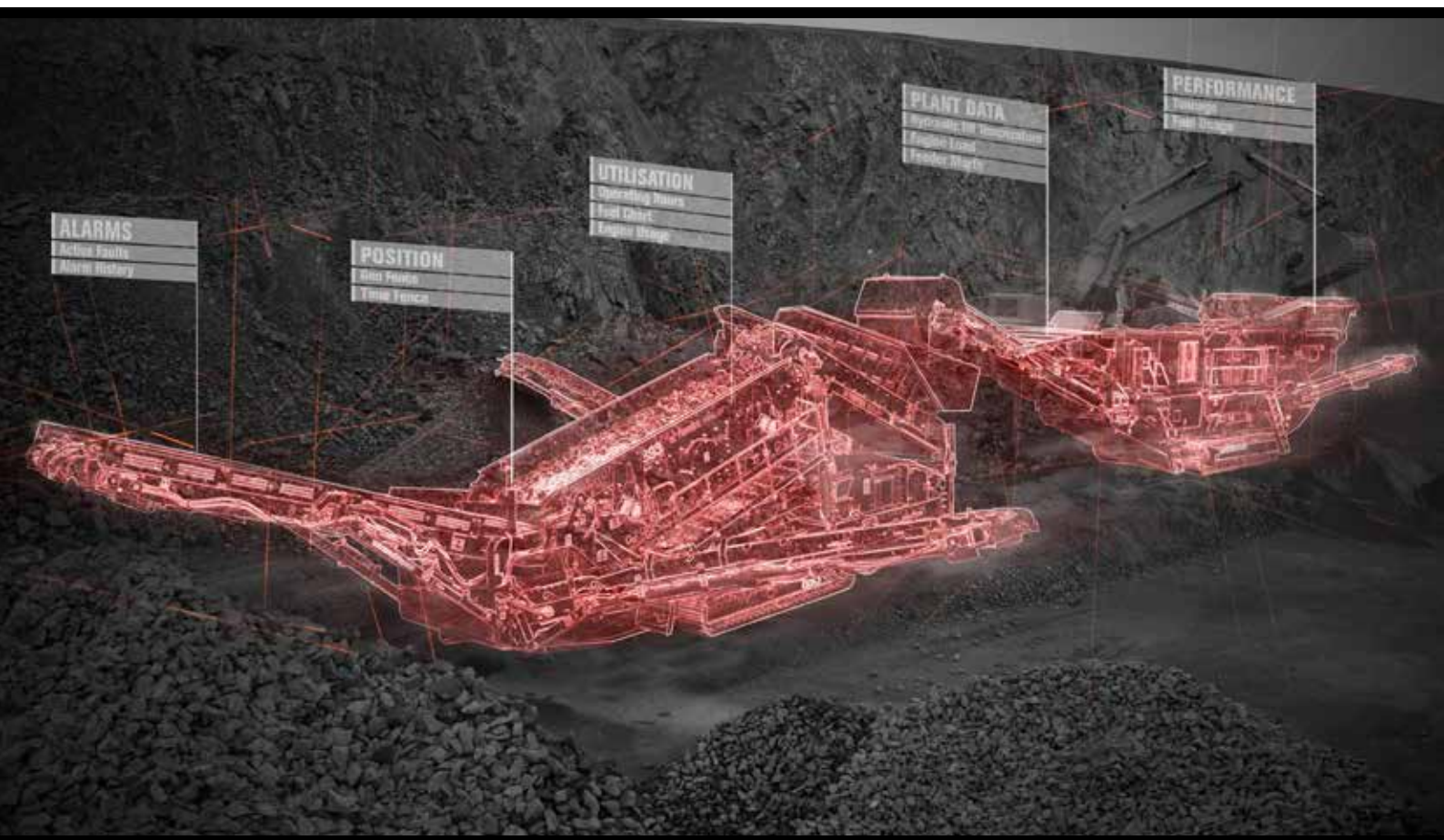
Machine Weight: * 26,300kg (57,982lbs)
* Standard Machine configuration

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FLEET MANAGEMENT SYSTEM



FOR FURTHER INFORMATION CONTACT:

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