

IMPACT CRUSHER



WORKS FOR YOU.™

I-130RS

The Terex Finlay I-130RS tracked impact crusher provides the versatility of a crushing and screening plant on one machine. Based on the Terex Finlay I-130 the machine features an innovative quick detach 4270mm x 1520mm (14' x 5') single deck screen for sizing and recirculating oversize material back to the crushing chamber. The sizing screen can be quickly removed for applications that do not require resizing or recirculation of materials for further processing.

STANDARD FEATURES

Engine:

Tier 3 / Stage IIIA: CAT C13 Tier 3 ACERT 440hp (328kW) Engine

Stage IIIB: Scania DC13 77A 450hp (331kW) Engine (EU Spec)

Chamber:

Cedarapids IP1313 Impact chamber

4 bar rotor toolsteel blow bars 2 hi - 2 low

Direct Drive

Hydraulically assisted apron setting

Hopper / Feeder:

Hopper capacity: 9m³ (11.7yd³)

Hydraulically folding hopper sides

Heavy duty vibrating feeder

Stepped grizzly feeder with integral pre-screen, standard 50mm spacing

Mesh aperture on grizzly feeder: 38mm

Selectable discharge to by-pass conveyor or main conveyor

Main Conveyor:

Belt: 1m (40") full length

High spec scraper at head drum

Piped for dust suppression c/w Spraybars

RS Components:

Recirculation Conveyor: 500mm (20" Wide Belt) - Folding for Transport

Fines Conveyor: 1.4m (55" Wide Belt), Discharge Height 3.2m (10' 7")

Screen: 4.27m x 1.52m (14' x 5') Single Deck Screen

Quick detach screen and fines for more versatility

Screen 40mm aperture fitted as standard

Transfer Conveyor: 500mm (20") Wide Belt 40mm aperture fitted as standard

Screen angle from 17° to 25°

General:

Piped for overband magnet

Two Speed Tracking

Heavy Duty Track Unit - 4.2m (13' 9") Sprocket Centres, 500mm (20") Shoe Width

Hand Held Track Control Set with Connection Lead

Safety Guards in Compliance with Machinery Directive

Galvanised catwalk c/w handrail, kick board and access ladders

High specification oil cooler

Emergency stops

Main Conveyor

- ▶ Belt Width: 1m (40")
- ▶ Belt Spec: Plain
- ▶ Working Angle: 22°
- ▶ Speed: 120-135 m/min
- ▶ Full length main conveyor with impact bars at feed point
- ▶ Dust suppression: fitted with hose and spraybars as standard (no pump supplied)
- ▶ Discharge Height: 3.7m (12' 10")
- ▶ Stockpile capacity: 75.3m³ (98.5yd³) @ 40°
- ▶ Optional vibratory undercrusher feeder with wear resistant liners and 2/3 length main conveyor

Screen Box

- ▶ Top deck: 4.27m x 1.52m (14' x 5')
- ▶ Tensioning top deck: side
- ▶ Drive: hydraulic with heavy duty bearing
- ▶ Screen Angle: 17° - 25°, hydraulic adjust
- ▶ Screen Speed: 1200 rpm
- ▶ 40mm Mesh fitted as standard to top deck
- ▶ Screen can be lowered to a horizontal position for mesh changing and general service access
- ▶ Screen and Fines can be quick detached if not required
- ▶ Total screening area: 6.5m² (70ft²)

Recirculation Conveyor

- ▶ Belt width: 500mm (20")
- ▶ Belt spec: Chevron
- ▶ Working Angle: 24°
- ▶ Speed: 75-85 m/min
- ▶ Hydraulically folds for transport

Magnet (optional)

Overband magnet

Impact Chamber

- ▶ Rotor diameter: Ø1270mm (50")
- ▶ Rotor width: 1220mm (48")
- ▶ Inlet opening: 1.06m x 840mm (42" x 33")
- ▶ Rotor speed Range: 400 - 600 rpm
- ▶ Maximum feed size: 600mm (24")* - depends on material
- ▶ Drive arrangement: Direct Drive
- ▶ Twin Apron
- ▶ Maximum apron settings: Primary 200mm (8") secondary 100mm (4")
- ▶ Minimum apron settings: primary 75mm (3") secondary 25mm (1")
- ▶ Rotor Configuration: 4 bar rotor, 2 high / 2 low standard
- ▶ Hydraulically opens for ease of access
- ▶ Simple wrench adjustment of breaker plates, hydraulic assist
- ▶ Blowbar options: Tool steel (standard), ceramic & high chrome

Hopper / Feeder

- ▶ Hopper capacity: 9m³ (11.7yd³)
- ▶ Feed height: 4.17m (13' 8")
- ▶ Material: 12mm (1/2") wear resistant steel
- ▶ Width at rear: 2.65m (8' 8")
- ▶ Locking mechanism: manual
- ▶ Hydraulically folding sides and rear
- ▶ Vibrating Grizzly feeder (VGF): 1.5m x 1.2m (5' x 4')
- ▶ VGF grizzly aperture: 75mm standard (50mm, 100mm optional)
- ▶ VGF wire mesh aperture: 38mm
- ▶ Speed range: 450-850 rpm
- ▶ Optional Hopper extensions for VGF ONLY - 11m³ (14.4yd³)
- ▶ Optional Independent Hydraulic Prescreen - Feed height 4.28m (14') (+1500kgs / 3300lbs)

By-pass Conveyor (optional)

- ▶ Belt Width: 650mm (26")
- ▶ Belt Spec: Plain
- ▶ Working Angle: 22°
- ▶ Speed: 120-130 m/min
- ▶ Universal mounting to left or right hand side (Specify at time of order)
- ▶ Hydraulically folds for transport
- ▶ Standard Discharge Height: 2.1m (7')
- ▶ Stockpile capacity: 13.8m³ (18yd³) @ 40°
- ▶ Optional extended discharge height: 2.9m (9' 6")
- ▶ Extended Stockpile capacity: 36.3m³ (47.5yd³) @ 40°

Undercarriage

- ▶ Bolt on tracks
- ▶ Shoe Width: 500mm (20")
- ▶ Sprocket Centres: 4.2m (13' 9")
- ▶ 2 Speed with 'soft start':
- ▶ Speed: 1.1 km/h
- ▶ Gradeability: 25°

Powerpack

- ▶ Tier 4i: Stage IIIB : Scania DC13 77A Engine Power: 450hp (331kW) (EU Spec) Engine Speed: 1700-2100 rpm

- ▶ ROW (Tier 3 or equivalent): Tier 3 / Stage IIIA - Caterpillar C13 Tier III ACERT Engine Power: 440hp (328kW) Engine Speed: 1700-2100 rpm

Override Transfer Conveyor

- ▶ Belt width: 500mm (20")
- ▶ Belt spec: Plain
- ▶ Speed: 75-85 m/min
- ▶ Hydraulically folds for transport

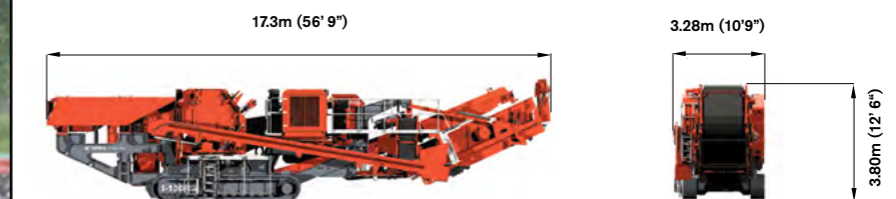
Features:

- ▶ Detachable 4270mm x 1520mm (14' x 5') single deck screen passes oversize material back to the crusher via the on-board recirculating system.
- ▶ Quick and easy detachable screen and fines conveyor for open circuit crushing.
- ▶ The onboard fines conveyor has a high discharge height of 3m (9' 10") for stockpiling or further processing by a secondary screener

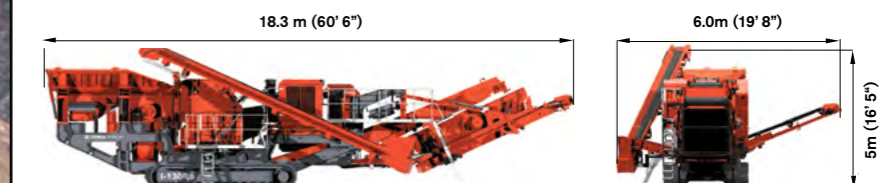


Machine Weight: 59,000Kg (130,090lbs)*
*Without By-pass and magnet options

Transport Dimensions



Working Dimensions



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