

 **TEREX** | FINLAY

I-140 IMPACT CRUSHER



I-140
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I-140

The Terex Finlay I-140 shapes the future through innovation. This new generation impact crusher with redefined style and advanced technological design gives improved material flow and production capabilities in quarrying, mining, demolition and recycling applications. Incorporating the Terex® CR032 impact chamber with direct drive and advanced electronic control system the machine provides operators with high material reduction ratios and produces a consistent product shape.

The high productivity, ease of maintenance and operation makes the machine an ideal solution for large scale producers and contact crushing operators.

STANDARD FEATURES

ENGINE:

Tier 3 / Stage IIIA - Caterpillar C15 403kW (540hp) Engine

Tier 4 Final / Stage IV : Scania DC13 373kW (500hp) Engine

IMPACT CHAMBER:

Chamber: Terex CR032

Fully Hydraulically assisted apron setting and hydraulic apron release

Manual raise inlet allowing extra inlet clearance

4 bar rotor - Martensitic blow bars 2 Full & 2 Low

Direct Drive via Clutch

Drive belt tensioner wheel

Blow bar lifting tool supplied

Tip Speed range 35-44 m/sec (115-144 ft./sec).

MAIN CONVEYOR:

Full length belt: 1300mm (51")

High spec scraper at main conveyor head drum

Piped for dust suppression c/w Spray bars

HOPPER / FEEDER:

Capacity: 6m³ (7.84 yd³) and a rear feed width of 2.2m (7' 2")

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

GENERAL:

Track Speed Fully proportional

Piped for overband magnet

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

Hand Held Track Control Set with Connection Lead

Safety Guards in Compliance with Machinery Directive

Standard oils - (Recommended for ambient temperatures between -5 to +30°C)

Telemetry System fitted c/w 3 years data subscription

Hopper / Feeder

- ▶ Hopper capacity: 6m³ (7.5yd³)
- ▶ Hopper Material: 10mm wear resistant steel
- ▶ Fixed Hopper
- ▶ Pan Feeder Speed range: 450-850 rpm variable
- ▶ Pan Feeder Dimensions: 2480mm long x 1086mm wide
- ▶ Replaceable 12mm wear resistant liners
- ▶ Folded liners at the sides to help eliminate build up in the corners
- ▶ Deep sides to prevent build up between feeder and hopper reducing performance

Independent Hydraulic Pre-screen (optional)

- ▶ Aggressive Action with 9mm throw and 1000rpm screen speed
- ▶ Top Deck: 2.4m long x 1.17m wide cassette at 9° Incline
- ▶ Standard Cassette Aperture: 50mm (2")
- ▶ Mesh Bottom Deck: 1950mm long x 1160mm wide at 17° Incline
- ▶ Standard Mesh Aperture: 38mm (1 1/2")
- ▶ Top Deck Mesh Option available for feed material with high % of fines
- ▶ Hydraulic locking hopper

Main Conveyor

- ▶ Belt Width: 1.3m (50")
- ▶ Twin drive motors on head drum
- ▶ Hi-spec scraper at head drum
- ▶ Optional Aluminium dust covers
- ▶ Conveyor fully tunnelled to the chassis
- ▶ Hydraulic Raise/Lower from Remote
- ▶ Discharge Height: 3.6m (12")

By-pass conveyor (optional)

- ▶ Belt Width: 800mm (32")
- ▶ Hydraulically folds for transport
- ▶ Discharge Height: 3.5m (11' 6")
- ▶ Hi-spec scraper at head drum

Chassis

- ▶ Robust, heavy duty chassis

Platforms

- ▶ Catwalk access on both sides of the of the powerunit
- ▶ Compact folding for transport

Impact Chamber

- ▶ Rotor diameter: Ø1270mm (50")
- ▶ Rotor width: 1240mm (48.8")
- ▶ Inlet opening: 1220mm(48") x 850mm(33")
- ▶ Upper apron Min CSS - 40mm, Max CSS - 200mm
- ▶ Lower apron Min CSS - 20mm, Max CSS - 140mm
- ▶ Increased inlet length for smoother material flow
- ▶ Blowbar upstand height increased
- ▶ 500HB liners in high wear areas
- ▶ Hydraulic assist Grinding Path Option
- ▶ C-shaped blowbar Option

Powerpack

- ▶ Tier 3 / Stage IIIA: Caterpillar C15 Acert Engine Power: 403kW (540hp) Engine Speed: 1700 rpm- 2100 rpm
- ▶ Tier 4F / Stage IV: Scania DC13 Engine Power: 373kW (500hp) Engine Speed: 1500 rpm- 1900 rpm

Underpan Feeder

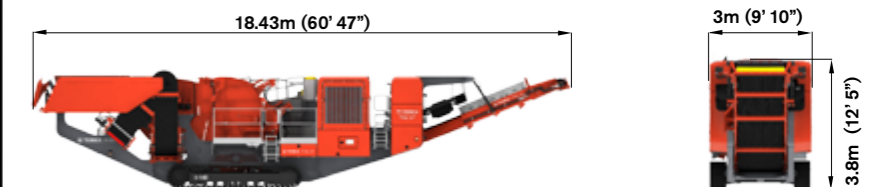
- ▶ Terex design underpan
- ▶ 2600mm Long x 1300mm wide
- ▶ 14 Degrees inclined tray
- ▶ 1000rpm and 12mm stroke
- ▶ Twin geared shaft vibrator unit
- ▶ 10mm Welded Body with 15mm wear plate liners
- ▶ Folded liners at sides to prevent build-up
- ▶ Liner positions can be interchanged to maximise wear life.

Features:

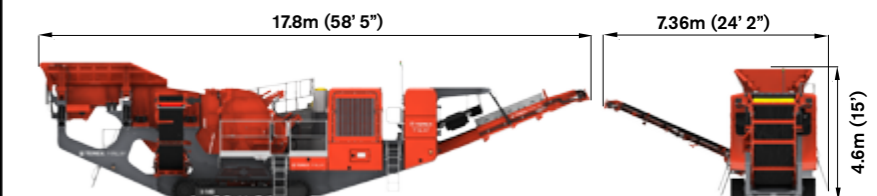
- ▶ The ease of material flow through the machine has greatly improved. With each component increasing in width as the material moves through the machine.
- ▶ Fully hydraulic assisted apron setting features makes adjustment of the aprons convenient and efficient.
- ▶ Heavy duty vibrating feeder (VGF) with integral pre-screen removes dirt fines and sizes bypass material for reprocessing.
- ▶ Optional under crusher vibratory plate feeder with wear resistant liners aids material discharge flow.



Transport Dimensions



Working Dimensions



Machine weight: 48,720Kg (107,410 lbs) without options
53,120Kg (117,109 lbs) with optional Pre Screen

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