



**TEREX** | FINLAY

**I-140RS**

# I-140RS Impact Crusher



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# I-140RS

The Terex Finlay I-140RS 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.

A key component of the machine is the on-board innovative quick detach 4.8m x 1.5m (16' x 5') single deck screen. For applications not requiring recirculation of materials for further processing or stockpiling the complete screening and recirculating system can be quickly detached from the machine.

The high productivity, ease of maintenance and operation makes the machine an ideal solution for large scale producers and contract 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: 6m<sup>3</sup> (7.84 yd<sup>3</sup>) 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

### RE-CIRCULATING CONVEYOR

Belt width: 500mm (20")

Belt spec: Chevron

Working Angle: 29°

Speed: Variable speed, 80 - 90 m/min

Hydraulically folds for transport

### 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

### 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- 1800 rpm

► Tier 4F / Stage IV: Scania DC13 (Constant Speed)  
Engine Power: 373kW (500hp)  
Engine Speed: 1800 rpm

### Main Conveyor

- Belt Width: 1.3m (51.2")
- Working Angle: 22°
- Speed: 105-115 MPM
- Full length main conveyor with impact bars at feed point
- Dust suppression: fitted with hose and spraybars as standard (water pump optional)
- Optional vibratory undercrusher feeder with wear resistant liners and 2/3 length main conveyor

### Fines Conveyor

- Belt width: 1.4m (55")
- Belt spec: Plain Belt
- Working Angle: 22°
- Speed: 105-115 MPM
- Discharge Height: 3.54m (11'8")

### By-pass conveyor (optional)

- Belt Width: 0.8m (31.5")
- Hydraulically folds for transport
- Discharge Height: 3.6m (11' 8")
- Hi-spec scraper at head drum

### Magnet (optional)

### Screen Box

- Deck Size: 4.8m x 1.55m (16' x 5')
- Mesh Tensioning : Side Tension
- Drive: hydraulic with heavy duty bearing
- Screen Angle: 22°
- Screen Speed: 950rpm
- 50mm Mesh fitted as standard
- Screen can be lowered to a horizontal position for mesh changing and general service access.
- RS Section can be quick detached if not required.
- Total screening area: 7.5m<sup>2</sup> (80.7sqft)

### Re-circulating Conveyor

- Belt width: 500mm (20")
- Belt spec: Chevron belt
- Working Angle: 29°
- Speed: 80-90 MPM
- Hydraulic to set control, transport, stockpiles & recirculating positions

### Impact Chamber

- Rotor diameter: Ø1270mm (50")
- Rotor width: 1240mm (48.8")
- Inlet opening: 1.17m x 0.80m
- Rotor speed range: 525-630 rpm
- Maximum apron settings: Primary 150mm (6") secondary 75mm (3")
- Minimum apron settings: primary 75mm (3") secondary 20mm (1")
- Maximum feed size: 600mm (24")\* - Dependent on material
- Drive arrangement: Direct Drive via V-Belt
- Rotor Configuration: 4 bar rotor, 2 high / 2 low standard
- Hydraulically opens for ease of access
- Simple wrench adjustment of aprons, hydraulic assist
- Blowbar options: Martensitic, ceramic & high chrome.

## 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 grizzly feeder (VGF) with integral pre-screen removes dirt fines and sizes bypass material for reprocessing.
- Quick on-board detachable recirculating system including large 4.8m x 1.5m (16' x 5') single deck screen.
- Recirculating conveyor can be rotated from closed loop configuration or utilized for stockpiling making an additional oversized product.

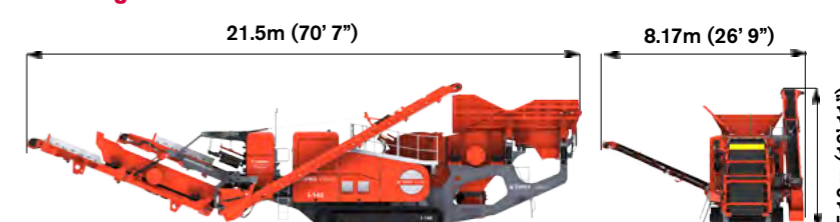


Machine weight: 71,200Kg (156,969lbs) \*est (with Prescreen, by-pass conveyor, underpan & magnet options)

### Transport Dimensions



### Working Dimensions



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