

 **TEREX** | FINLAY

Impact Crusher




TEREX FINLAY TELEMATICS SYSTEM

I-140RS



WORKS FOR YOU.TM

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 1.52m (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 402kW (540hp)

Stage IIIA Constant Speed: Scania DC13 368kW (498 hp)

IMPACT CHAMBER:

Terex CR032 Impact chamber

Fully Hydraulically assisted apron setting and hydraulic apron release

Manual raise inlet allowing extra inlet clearance

HOPPER / FEEDER:

VGf Fixed Hopper

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 width: 1.3m (52")

Piped for overband magnet

Hydraulic raise/ lower for magnet

RS COMPONENTS:

4.88m X 1.52m (16' X 5') single deck after screen c/w 40mm mesh as standard unless otherwise stated

500mm (20") wide belt transfer conveyor

500mm (20") wide belt hydraulic folding re-circulating conveyor able to slew for stockpiling oversize material

1.4m (55") wide belt fines conveyor

Rapid detach after screen system for flexibility

CLIMATE SPEC:

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

DUST SUPPRESSION:

Piped for dust suppression c/w Spray bars

ELECTRICAL:

Emergency stops

Hand Held Track Control Set with Connection Lead

T-Link Telemetry System fitted c/w 3 years data subscription

GENERAL:

Safety Guards in Compliance with Machinery Directive

2 Speed Tracking

Powerpack

- ▶ Tier 3 / Stage IIIA: Caterpillar C15
Engine Power: 402kW (540hp)
Engine Speed: 1700-2100 rpm
- ▶ Stage IIIA: Scania DC13 Constant Speed
Engine Power: 364-371 KW (498hp)
Engine Speed: 1500 rpm-1900 rpm
- ▶ Tier 4F / Stage IV: Scania DC13
Engine Power: 368kW (500hp)
Engine Speed: 1500 rpm-1900 rpm

Main Conveyor

- ▶ Belt Width: 1.3m (52")
- ▶ Working Angle: 22°
- ▶ Speed: 110 m/min
- ▶ 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")

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 1.52m (16' x 5') single deck screen.
- ▶ Recirculating conveyor can be rotated from closed loop configuration or utilized for stockpiling making an additional oversized product.



By-pass conveyor (optional)

- ▶ Belt Width: 800mm (32")
- ▶ Hydraulically folds for transport
- ▶ Discharge Height: 3.38m (11' 1")
- ▶ Hi-spec scraper at head drum
- ▶ LH and RH variant available

Magnet (optional)



Hopper / Feeder

- ▶ Fixed Hopper with Optional hydraulically folding and locking extensions
- ▶ VGF Hopper capacity - No Ext: 6m³ (7.85yd³)
- ▶ VGF Hopper capacity - With Ext: 9m³ (11.8yd³)
- ▶ VGF Feed Height - No Ext: 3.77m (12' 4")
- ▶ VGF Feed Height - With Ext: 4.49m (14' 8")
- ▶ Width at rear - No Ext: 2.17m (7' 1")
- ▶ Width at rear - with ext: 3.60m (11' 10")
- ▶ Hopper Extensions: Optional - with hydraulic folding + locking mechanism - from ground level
- ▶ Speed range: 450-850rpm

Screen Box

- ▶ Deck Size: 4.8m x 1.52m (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: 7.5m² (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

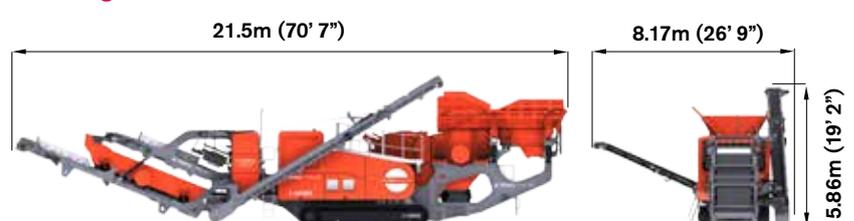
- ▶ Rotor diameter: Ø1270mm (50")
- ▶ Rotor width: 1220mm (48")
- ▶ VGF Inlet opening: 1.16m x 865mm (45.6" x 34")
- ▶ Prescreen Inlet opening: 1.17m x 835mm (46" x 33")
- ▶ Maximum apron settings: Primary 150mm (6") secondary 75mm (3")
- ▶ Minimum apron settings: primary 50mm (2") secondary 20mm (1")
- ▶ Maximum feed size: 600mm (24")* - Dependent on material
- ▶ Rotor Configuration: 4 bar rotor, 2 high / 2 low standard
- ▶ Simple wrench adjustment of aprons, hydraulic assist
- ▶ Blowbar options: Martensitic, ceramic & high chrome



Transport Dimensions



Working Dimensions

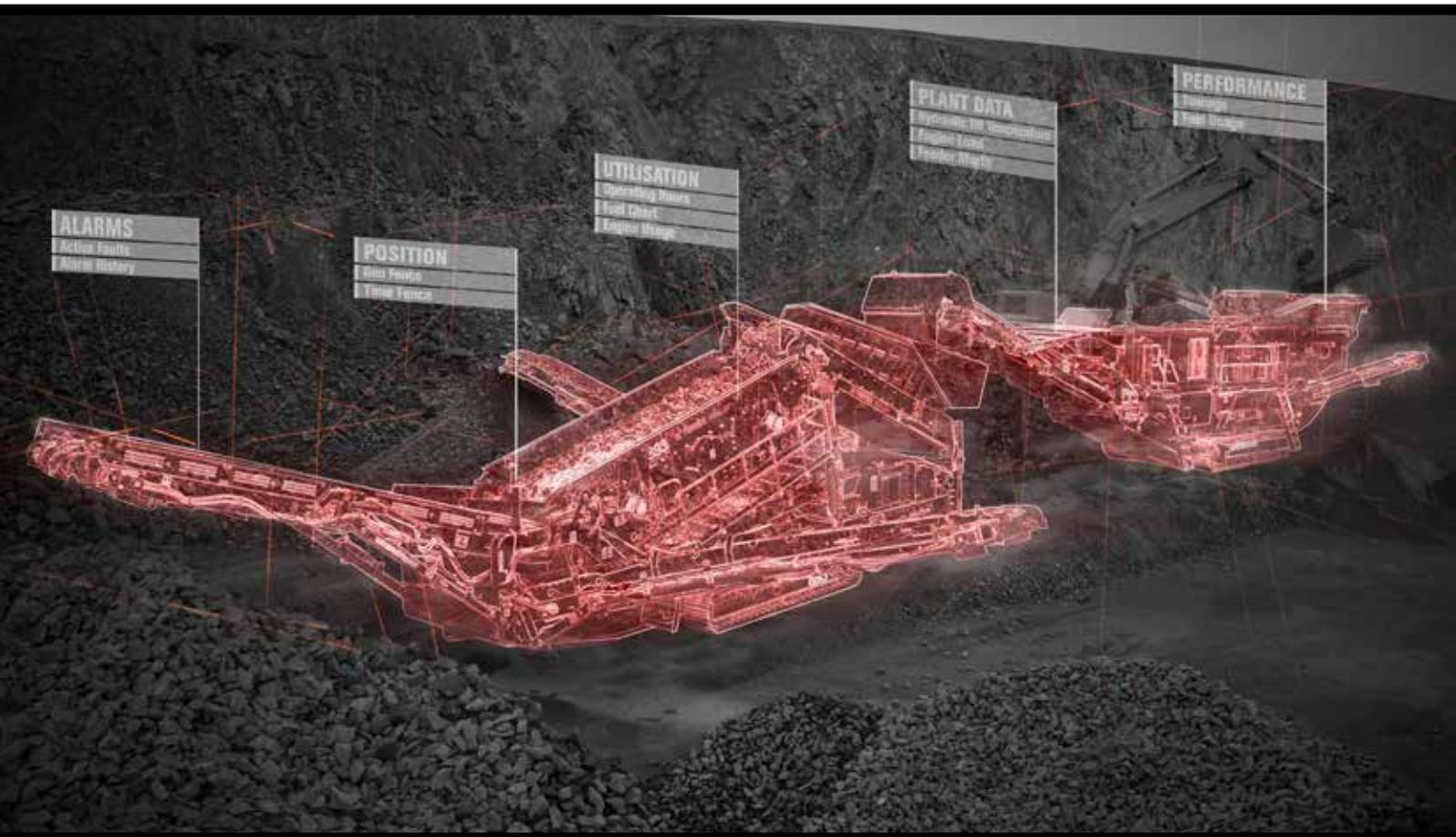


Machine weight: 72,300kg (159,394lbs*)
*with pre-screen, heavy duty magnet and bypass conveyor

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FLEET MANAGEMENT SYSTEM



FOR FURTHER INFORMATION CONTACT:

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