

FINLAY®

IMPACTOR

FINLAY RANGE



I-120RS



BELL

I-100

The Finlay I-100 tracked impact crusher has been specifically designed for quarrying, recycling and demolition applications. The I-100 features a Ø860mm x 830mm (Ø34" x 33") direct drive impact chamber with variable rotor speed. The advanced electronic control system monitors, controls and regulates the speed of VGF with, integrated pre-screen, to maintain a consistent feed of material into the impact chamber while maintaining optimal crushing capacity. The machine provides operators high material reduction ratios and produces a consistent product grading

STANDARD FEATURES

ENGINE:

Tier 3 / Stage IIIA: Caterpillar C7.1 Tier 3 ACERT 186kW (250hp)

Tier 4 Final / Stage IV: Caterpillar C7.1 205Kw (275hp)

IMPACT CHAMBER:

Terex CR004 Impact chamber c/w full hydraulic apron setting

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

Direct Drive via Clutch

Please contact the sales department for blowbar options

HOPPER / FEEDER:

Fixed Hopper c/w vibrating feeder

Stepped grizzly feeder with integral pre-screen, standard 35mm Tines spacing.

30mm woven mesh for underscreen as standard

Selectable discharge to by-pass conveyor or main conveyor

Blanking mat for VGF

MAIN CONVEYOR:

Belt width: 900mm (36")

Rigid Head Section (Transport length 13.5m)

AUXILIARY CONVEYORS:

Piped for overband magnet

CLIMATE SPEC:

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

DUST SUPPRESSION:

Piped for dust suppression c/w Spraybars

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

Hopper / Feeder

- ▶ Hopper capacity: 2.3m³ (3.01yd³)
- ▶ Feed height: 3.2m (10' 6")
- ▶ Material: 8mm wear resistant steel
- ▶ Width at rear: 2.26m (7' 5")
- ▶ Vibrating Grizzly feeder (VGF): 3.27m x 800mm (10' 9" x 32")
- ▶ VGF tine aperture: 35mm Standard
- ▶ VGF wire mesh aperture: 30mm Standard
- ▶ Speed: variable, 450 - 850 rpm

Impact chamber

- ▶ Rotor diameter: Ø860mm (34")
- ▶ Rotor width: 830mm (33")
- ▶ Inlet opening: 860mm x 610mm (34" x 24")
- ▶ Rotor Tip speed: 32 - 40 m/s
- ▶ Rotor speed Range: 712 - 879RPM
- ▶ Maximum Feed Size: Dependant on application 350mm Cube Approx
- ▶ Drive arrangement: Direct drive via clutch
- ▶ Twin Apron
- ▶ Maximum apron settings: 120mm Primary, 55mm Secondary
- ▶ Minimum apron settings: 50mm Primary, 20mm Secondary
- ▶ Rotor Configuration: 4 bar rotor, 2 high / 2 low standard
- ▶ Hydraulic overload protection
- ▶ Hydraulic apron setting assist

Powerpack

- ▶ Tier 3 / Stage IIIA: Caterpillar C7.1
Engine Power: 186kW (250hp)
Engine Speed: 1700-2100 rpm
- ▶ Tier 4F / Stage IV: Caterpillar C7.1
Engine Power: 205kW (275hp)
Engine Speed: 1700-2100 rpm
- ▶ Stage V: Caterpillar C7.1
Engine Power: 205kW (275hp)
Engine Speed: 1700-2100 rpm

By-pass conveyor (optional)

- ▶ Belt Width: 500mm (20")
- ▶ Belt Spec: plain
- ▶ Working Angle: 25°
- ▶ Speed: 60 - 70 mpm
- ▶ Hydraulically folds for transport
- ▶ Discharge Height: 2.03m (6' 8")
- ▶ Stockpile capacity: 13.8m³ (18yd³) @ 40°
- ▶ Right hand discharge only

FEATURES

- ▶ Hydraulic apron setting assist provides convenient and efficient adjustment of the aprons.
- ▶ Hydraulic overload protection provides instant protection for uncrushable material.
- ▶ Heavy duty vibrating feeder (VGF) with integrated pre-screen helps by-pass dirty fines
- ▶ Direct drive crusher chamber with independent belt tensioner allowing for rapid adjustment.
- ▶ Crusher chamber is supplied with a 4 bar rotor and two apron design for large reduction ratios.

Magnet (optional)

Main conveyor

- ▶ Belt Width: 900mm (36")
- ▶ Belt Spec: plain
- ▶ Working Angle: 22°
- ▶ Speed: 95 - 110 m/min
- ▶ Full length main conveyor with impact bars at feed point
- ▶ Folding head section optional
- ▶ Main conveyor can be lowered hydraulically for maintenance
- ▶ Dust suppression: fitted with hose and spraybars as standard (no pump supplied)
- ▶ Discharge Height: 3.25m (10' 8")
- ▶ Stockpile capacity: 51m³ (66.7yd³) @ 40°

Undercarriage

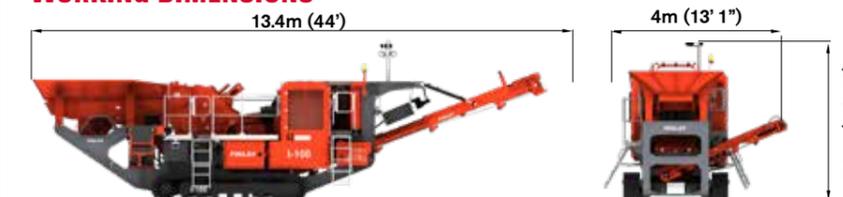
- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 2.92m (9' 7")
- ▶ Track Speed: 1.8 km/h
- ▶ Gradeability: 25°



TRANSPORT DIMENSIONS



WORKING DIMENSIONS



Machine Weight: * 27,000kg (59,525lbs)
*With by-pass conveyor & twin pole magnet

FINLAY

BELL

I-100RS

The Finlay I-100RS direct drive Ø860mm x 830mm (Ø34" x 33") horizontal impact crusher with variable speed gives operators unprecedented levels of fuel efficiency and production in both recycling and quarrying applications. The machine features a 2.44m x 1.2m (8' x 4') single deck screen for sizing and recirculating oversize material back to the crushing chamber. The sizing screen can be quickly detached for applications that do not require resizing or recirculation of materials for further processing. The I-100RS features hydraulic folding of all conveyors providing rapid set-up times and easy point to point moves when operating on multiple sites.

STANDARD FEATURES

ENGINE:

Tier 3 / Stage IIIA: Caterpillar C7.1 Tier 3 ACERT 186kW (250hp) Engine

Tier 4 Final / Stage IV : CAT C7.1 - 205kW (275hp)

IMPACT CHAMBER:

Terex CR004 Impact chamber c/w full hydraulic apron setting

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

Direct Drive via Clutch

Please contact the sales department for blowbar options

HOPPER / FEEDER:

Fixed Hopper c/w vibrating feeder

Stepped grizzly feeder with integral pre-screen, standard 35mm Tines spacing

Mesh aperture on grizzly feeder: 30mm

Selectable discharge to by-pass conveyor or main conveyor

MAIN CONVEYOR:

Belt width: 900mm (36")

RS COMPONENTS:

8' X 4' Single Deck Screen - supplied with 40mm mesh as standard unless otherwise stated

Fines Conveyor 1200mm belt - hydraulically folding for transport

Transfer Conveyor 500mm belt - Hydraulically folding for transport

Recirculating Conveyor 500mm Belt - Hydraulically folding for transport

Screen, Fines & transfer conveyor can be removed as single component

AUXILIARY CONVEYORS:

Piped for overband magnet

CLIMATE SPEC:

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

DUST SUPPRESSION:

Piped for dust suppression c/w Spraybars

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

Screen Box

- ▶ Top deck: 2.44m x 1.2m (8' x 4')
- ▶ Tensioning top deck: Side Tension
- ▶ Drive: Hydraulic Motor
- ▶ Screen Angle: 20°
- ▶ Screen Speed: 1100 rpm
- ▶ 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: 32ft²

By-Pass Conveyor (Optional)

- ▶ Belt Width: 500mm (20")
- ▶ Belt Spec: plain
- ▶ Working Angle: 25°
- ▶ Speed: 60 - 70 rpm
- ▶ Hydraulically folds for transport
- ▶ Discharge Height: 2.03m (6' 8")
- ▶ Stockpile capacity: 13.8m³ (18yd³) @ 40°
- ▶ Right hand discharge only

FEATURES

- ▶ Direct drive Ø860mm x 830mm (Ø34" x 33") crusher chamber with unique belt tensioner system allowing for rapid adjustment.
- ▶ Hydraulic apron setting assist provides convenient and efficient adjustment of the aprons and hydraulic overload protection in event that an un-crushable object enters chamber.
- ▶ Detachable 2.44m x 1.2m (8' x 4') single deck screen returns over size material back to the crusher via the on-board recirculating system.
- ▶ Quick and easy detachable screen, fines and transfer conveyor for open circuit crushing.

Main Conveyor

- ▶ Belt Width: 900mm (36")
- ▶ Belt Spec: plain
- ▶ Working Angle: 22°
- ▶ Speed: 95 - 110 m/min
- ▶ Full length main conveyor with impact bars at feed point
- ▶ Main conveyor can be lowered hydraulically for maintenance
- ▶ Dust suppression: fitted with hose and spraybars as standard (no pump supplied)
- ▶ Discharge Height: 3.25m (10' 8")
- ▶ Stockpile capacity: 51m³ (66.7yd³) @ 40°

Oversize Transfer Conveyor

- ▶ Belt width: 500mm (20")
- ▶ Belt spec: Plain
- ▶ Working Angle: 20°
- ▶ Speed: Adjustable
- ▶ Hydraulically folds for transport

Impact Chamber

- ▶ Rotor diameter: Ø860mm (34")
- ▶ Rotor width: 830mm (33")
- ▶ Inlet opening: 860mm x 610mm (34" x 24")
- ▶ Rotor Tip speed: 32 - 40 m/s
- ▶ Rotor speed Range: 712 - 879RPM
- ▶ Maximum Feed Size: Dependant on application
- ▶ 350mm Cube Approx
- ▶ Drive arrangement: Direct drive via clutch
- ▶ Twin Apron
- ▶ Maximum apron settings: 120mm Primary, 55mm Secondary
- ▶ Minimum apron settings: 50mm Primary, 20mm Secondary
- ▶ Rotor Configuration: 4 bar rotor, 2 high / 2 low standard
- ▶ Hydraulic overload protection
- ▶ Hydraulic apron setting assist

Hopper / Feeder

- ▶ Hopper capacity: 2.3m³ (3.01yd³)
- ▶ Feed height: 3.20m (10' 6")
- ▶ Material: 8mm wear resistant steel
- ▶ Width at rear: 2.26m (7' 5")
- ▶ Vibrating Grizzly feeder (VGF): 3.27m x 800mm (10' 9" x 32")
- ▶ VGF tine aperture: 35mm Standard
- ▶ VGF wire mesh aperture: 30mm Standard
- ▶ Speed: variable, 450 - 850 rpm

Re-Circulating Conveyor

- ▶ Belt width: 500mm (20")
- ▶ Belt spec: Plain
- ▶ Working Angle: 17°
- ▶ Speed: Adjustable
- ▶ Hydraulically folds for transport

Undercarriage

- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 3.7m (12' 1")
- ▶ Track Speed: 0.6 km/h
- ▶ Gradeability: 25°

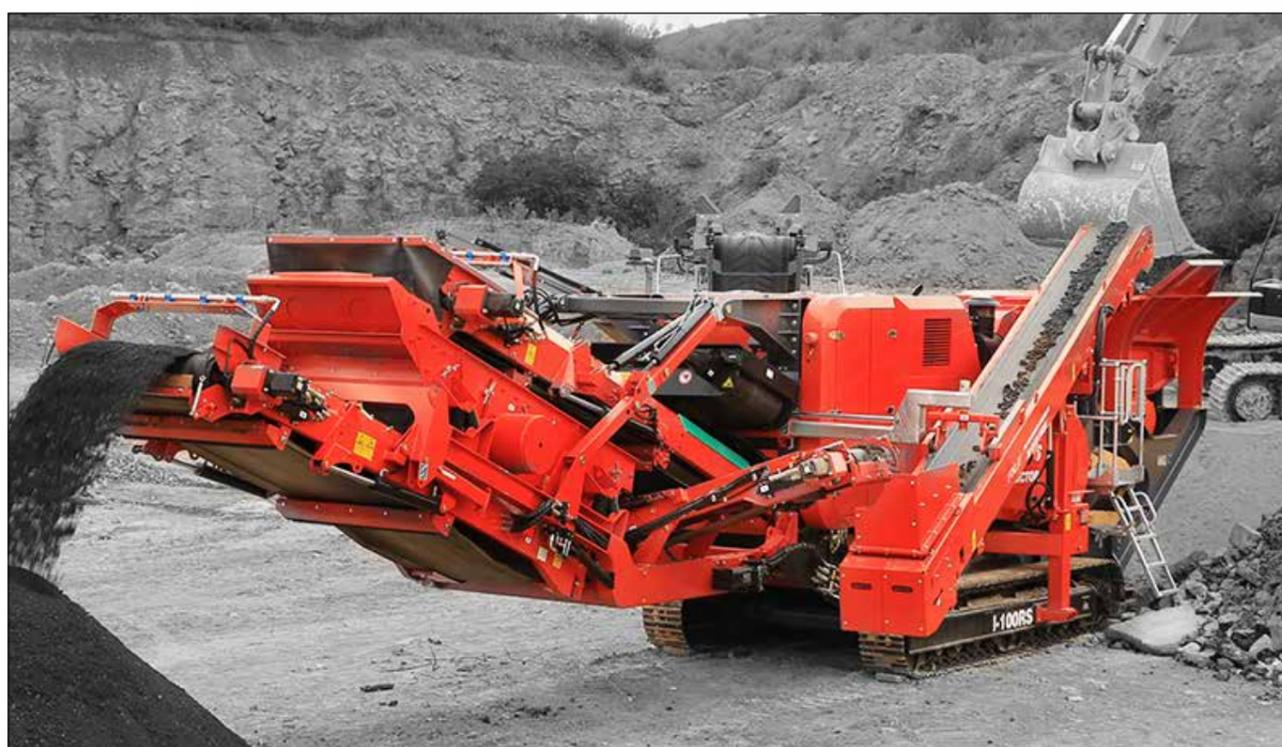
Powerpack

- ▶ Tier 3 / Stage IIIA: Caterpillar C7.1 Acert Engine Power: 186kW (250hp) Engine Speed: 1700-2100 rpm
- ▶ Tier 4F / Stage IV: Caterpillar C7.1 Engine Power: 205kW (275hp) Engine Speed: 1700-2100 rpm
- ▶ Stage V: Caterpillar C7.1 Engine Power: 205kW (275hp) Engine Speed: 1700-2100 rpm

TRANSPORT DIMENSIONS



WORKING DIMENSIONS



Machine Weight: * 33,950kg* (74,847lbs*)
* With side conveyor and twin pole magnet fitted



I-120

The second generation I-120 impact crusher has been designed with improved material flow and enhanced productivity in quarrying, mining, recycling and construction demolition applications. Incorporating the proven Terex® CR038 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.

For operators in recycling and demolition applications the options of an underpan feeder and autoadjust on the chamber secondary apron are also available for the machine.

STANDARD FEATURES

ENGINE:

Tier 3 / Stage IIIA : Caterpillar C9 Tier 3 ACERT. 280kW (375hp)

Stage IIIA Constant Speed: Scania DC9 292kW (392hp)

IMPACT CHAMBER:

Terex CR038 Impact chamber

Fully Hydraulically assisted apron setting and hydraulic apron release

Manual raise chamber flap allowing extra inlet clearance

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

Direct Drive via Clutch

Drive belt tensioner wheel

Blow bar lifting tool supplied

Drive Pulley to suit higher speed range

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

Blanking mat for VGF

MAIN CONVEYOR:

Belt: 1.1m (44") full length

Hydraulic raise/ lower of main conveyor

AUXILIARY CONVEYORS:

Piped for over band magnet

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

Variable Speed Tracking

Main Conveyor

- ▶ Belt Width: 1.1m (44")
- ▶ Discharge Height: 3.5m (11' 5")
- ▶ High spec scraper at head drum
- ▶ Dust suppression standard
- ▶ Low level greasing standard
- ▶ Hydraulic lowering for transport
- ▶ Full length belt standard

Impact Chamber

- ▶ Rotor diameter: Ø1033mm (41")
- ▶ Rotor width: 1100mm (44")
- ▶ Inlet opening: 1130mm (45") x 800mm (32")
- ▶ Newly designed Terex Impactor chamber
- ▶ 4 Bar rotor standard- 2 high/2 low
- ▶ Direct drive via 'V' belts
- ▶ Hydraulic assisted apron setting

Hopper / Feeder

- ▶ Hopper capacity: 5m³ (6.5 yd³)
- ▶ Hopper capacity - With Ext: 8m³ (10.4 yd³) 4m (13' 1") rear feed width with hydraulic folding hopper extensions (optional)
- ▶ Hydraulic locking
- ▶ 8mm wear resistant side walls

Powerpack

- ▶ Tier 3 / Stage IIIA: Caterpillar C9
Engine Power: 280kW (375hp)
Engine Speed: 1700 rpm-2100 rpm
- ▶ Stage IIIA Constant Speed: Scania DC9
Engine Power: 292kW (392hp)
Engine Speed: 1500-1900 rpm
- ▶ Tier 4F / Stage IV: Scania DC9
Engine Power: 294kW (400hp)
Engine Speed: 1500 rpm-1900 rpm
- ▶ Stage V: Scania DC9
Engine Power: 294kW (400hp)
Engine Speed: 1500 rpm-1900 rpm

Bypass Conveyor (optional)

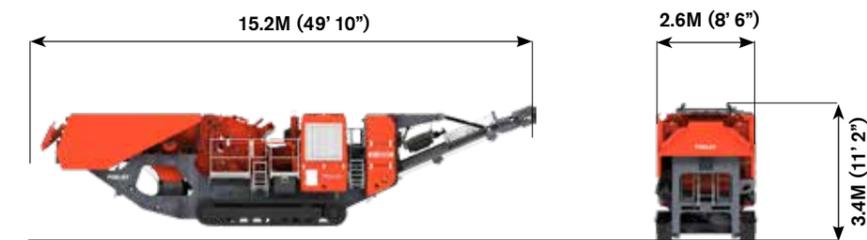
- ▶ Belt Width: 650mm (26")
- ▶ Max achievable discharge height target approx. 2.5m
- ▶ Low level greasing
- ▶ High spec scraper at head drum

FEATURES

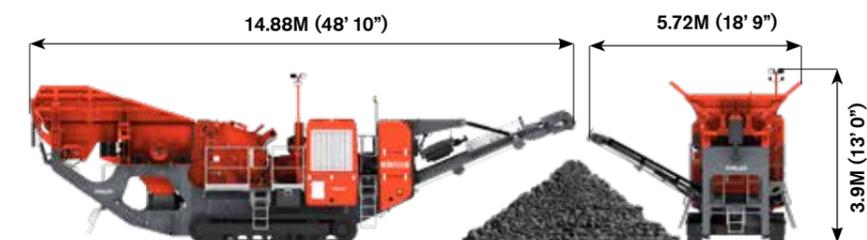
- ▶ Fully hydraulic apron setting assist provides convenient and efficient adjustment of the chamber aprons.
- ▶ Heavy duty vibrating feeder (VGF) with integrated prescreen removes dirt fines and sizes bypass material for reprocessing.
- ▶ Curved corners on the feeder wear plate to minimize the chances of material building up in the corners when running in sticky material.
- ▶ For efficient and safer onsite set up and tear down processes the hopper is hydraulically folded and locked from ground level.



TRANSPORT DIMENSIONS



WORKING DIMENSIONS



Machine weight: 37,000kg (81,571lbs)

(Pre-screen, Hopper Extensions, By-pass Conveyor & Twin Pole Magnet)



I-120RS

The I-120RS 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® CR038 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 3.66m x 1.53m (12' x 5') two 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 C9 Tier 3 ACERT. 280kW (375hp)

Stage IIIA Constant Speed: Scania DC9 292kW (392hp)

Tier 4F / Stage IV: Scania DC9 294kW (400hp)

IMPACT CHAMBER:

Terex CR038 Impact chamber

Fully Hydraulically assisted apron setting and hydraulic apron release

Manual raise chamber flap allowing extra inlet clearance

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

Direct Drive via Clutch

Drive belt tensioner wheel

Blow bar lifting tool supplied

Drive pulley to suit higher speed range

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

Blanking mat for VGF

MAIN CONVEYOR:

Belt: 1.1m (44") full length

AUXILIARY CONVEYORS:

Hydraulic raise/ lower for magnet

Piped for over band magnet

RS COMPONENTS:

3.66m X 1.53m (12' X 5') two deck after screen c/w 50mm top deck and 40mm bottom deck mesh as standard unless otherwise stated

500mm (20") wide belt single transfer conveyor collecting material from both decks

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

1400mm (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

Radio remote System: Operational controls of machine (auto start/stop) & track movement

GENERAL:

Safety Guards in Compliance with Machinery Directive

Impact Chamber

- ▶ Rotor diameter: Ø1033mm (41")
- ▶ Rotor width: 1100mm (44")
- ▶ Inlet opening: 1130mm (45") x 800mm (32")
- ▶ 4 Bar rotor standard- 2 high/2 low
- ▶ Direct drive via 'V' belts
- ▶ Hydraulic assisted apron setting
- ▶ Hydraulic release chamber protection

Main Conveyor

- ▶ Belt Width: 1.1m (44")
- ▶ Discharge Height: 3.5m (11' 5")
- ▶ High spec scraper at head drum
- ▶ Dust suppression standard
- ▶ Low level greasing standard
- ▶ Hydraulic lowering for transport
- ▶ Full length belt standard

Screenbox

- ▶ Both decks: 3.66m x 1.53m (12' x 5')
- ▶ Side tensioning: both decks
- ▶ Drive: hydraulic with heavy duty bearing
- ▶ Screen can be lowered for mesh changing and general service access
- ▶ Complete RS System can be quick detached if not required

Fines Conveyor

- ▶ Belt Width: 1.4m (55") wide
- ▶ Discharge: 3m (9' 10")

FEATURES

- ▶ The ease of material flow through the machine has greatly improved with each component of the machine increasing in width as the material moves through the machine.
- ▶ Fully hydraulic apron setting assist provides convenient and efficient adjustment of the aprons
- ▶ Heavy duty vibrating feeder (VGF) with integrated prescreen removes dirt fines and sizes bypass material for reprocessing.
- ▶ Quick on-board detachable recirculating system including large 3.66m x 1.53m (12' x 5') two deck screen.
- ▶ Recirculating conveyor can be rotated from closed loop configuration or utilized for stockpiling making an additional oversized product.

Independent Hydraulic Pre-screen (optional)

- ▶ 1,000mm (40") wide x 2,000mm (79") effective screening length
- ▶ 9° working angle
- ▶ Mesh and Punch Plate option

Hopper / Feeder

- ▶ Hopper capacity: 5m³ (6.5 yd³)
- ▶ Hopper capacity - With Ext: 8m³ (10.4 yd³) 4m (13' 1") rear feed width with hydraulic folding hopper extensions (optional)
- ▶ Hydraulic locking
- ▶ 8mm wear resistant side walls

By-Pass Conveyor (Optional)

- ▶ Belt Width: 650mm (26")
- ▶ Max achievable discharge height target approx. 2.5m
- ▶ Low level greasing
- ▶ High spec scraper at head drum

Mid-Grade Stockpiling Conveyor (optional)

- ▶ Belt Width: 650mm (26")
- ▶ Discharge Height: 1.9m (6' 3")
- ▶ Long conveyor, drum centres: 3m (9' 10")

Re-circulating Conveyor:

- ▶ Belt Width: 500mm (20")
- ▶ Screen Angle: Fixed

Transfer Conveyor

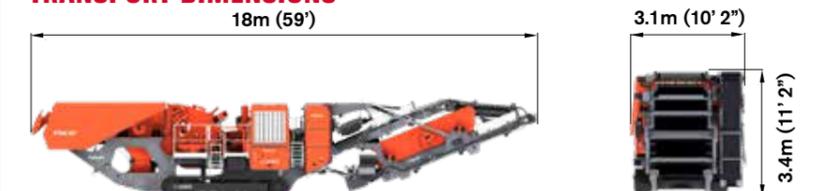
- ▶ Belt Width: 500mm (20")

Powerpack

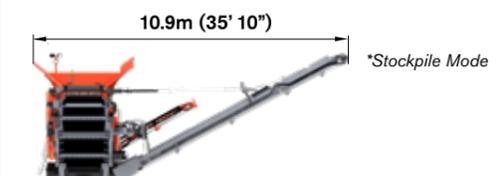
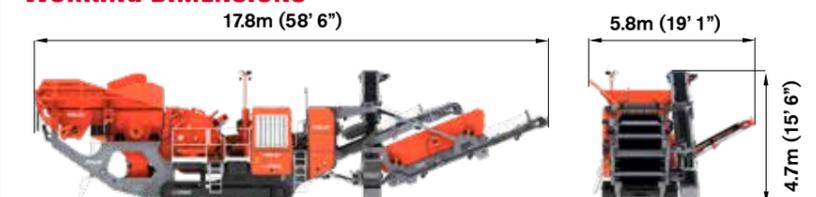
- ▶ Tier 3 / Stage IIIA: Caterpillar C9 Engine Power: 280kW (375hp) Engine Speed: 1700 rpm-2100 rpm
- ▶ Stage IIIA Constant Speed: Scania DC9 Engine Power: 292kW (392hp) Engine Speed: 1500-1900 rpm
- ▶ Tier 4F / Stage IV: Scania DC9 Engine Power: 294kW (400hp) Engine Speed: 1500 rpm-1900 rpm



TRANSPORT DIMENSIONS



WORKING DIMENSIONS



Machine weight: 48,150kg (106,153lbs*)
(*VGF, Hopper Extensions & Heavy Duty Magnet)



I-140

The 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)

Stage IIIA Constant Speed: Scania DC13 371kW (498hp)

IMPACT CHAMBER:

Terex CR032 Impact chamber

Fully Hydraulically assisted apron setting and hydraulic apron release

Manual raise chamber flap allowing extra inlet clearance

4 bar rotor - Tool steel blow bars 2 High & 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)

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

Blanking mat for VGF

MAIN CONVEYOR:

Belt width: 1.3m (52")

Hydraulic raise/ lower for magnet

AUXILIARY CONVEYORS:

Piped for overband magnet

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

Auxiliary Drive

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

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

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.

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

Powerpack

- ▶ Tier 3 / Stage IIIA: Caterpillar C15
Engine Power: 403kW (540hp)
Engine Speed: 1700-2100 rpm
- ▶ Stage IIIA Constant Speed: Scania DC13
Engine Power: 364-371kW (498hp)
Engine Speed: 1500 rpm-1900 rpm
- ▶ Tier 4F / Stage IV: Scania DC13
Engine Power: 368kW (500hp)
Engine Speed: 1500 rpm-1900 rpm
- ▶ Stage V: Scania DC13
Engine Power: 368kW (500hp)
Engine Speed: 1500 rpm-1900 rpm

Platforms

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

Impact Chamber

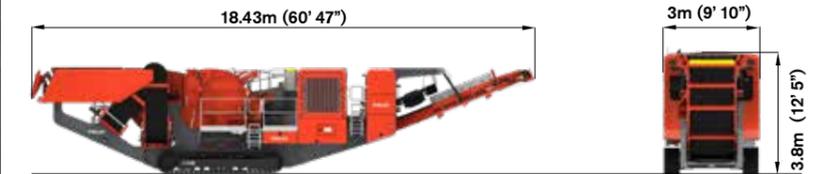
- ▶ Rotor diameter: Ø1270mm (50")
- ▶ Rotor width: 1220mm (48")
- ▶ VGF Inlet opening: 1.16m x 865mm (45.6" x 34")
- ▶ Prescreen Inlet opening: 1.17m x 835mm (46" x 33")
- ▶ Maximum apron settings: Primary 150mm (6") secondary 75mm (3")
- ▶ Minimum apron settings: primary 50mm (2") secondary 20mm (1")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

Underpan Feeder

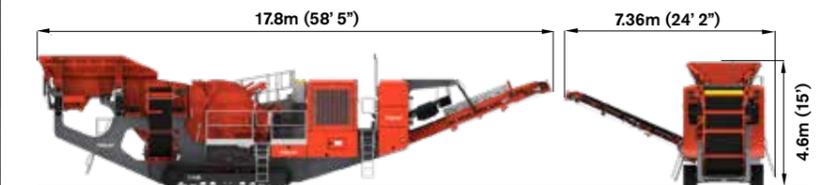
- ▶ Terex design underpan
- ▶ 2600mm Long x 1300mm wide
- ▶ 14 Degrees inclined tray
- ▶ 1000rpm and 12mm stroke
- ▶ Twin geared shaft vibrator unit
- ▶ 10mm Welded Body with 15mm wear plate liners
- ▶ Folded liners at sides to prevent build-up
- ▶ Liner positions can be interchanged to maximise wear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



TRANSPORT DIMENSIONS



WORKING DIMENSIONS



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

I-140RS

The 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 403kW (540hp)

Stage IIIA Constant Speed: Scania DC13 371kW (498hp)

IMPACT CHAMBER:

Terex CR032 Impact chamber

Fully Hydraulically assisted apron setting and hydraulic apron release

Manual raise inlet allowing extra inlet clearance

4 bar rotor - Tool steel blow bars 2 High & 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)

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

Blanking mat for VGf

MAIN CONVEYOR:

Belt width: 1300mm (52")

Piped for overband 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

1400mm (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

Radio remote System: Operational controls of machine (auto start/stop) & track movement

GENERAL:

Safety Guards in Compliance with Machinery Directive

Auxiliary Drive

Powerpack

- ▶ Tier 3 / Stage IIIA: Caterpillar C15
Engine Power: 403kW (540hp)
Engine Speed: 1700-2100 rpm
- ▶ Stage IIIA Constant Speed: Scania DC13
Engine Power: 364-371kW (498hp)
Engine Speed: 1500 rpm- 1900 rpm
- ▶ Tier 4F / Stage IV: Scania DC13
Engine Power: 368kW (500hp)
Engine Speed: 1500 rpm- 1900 rpm
- ▶ Stage V: 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)

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

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

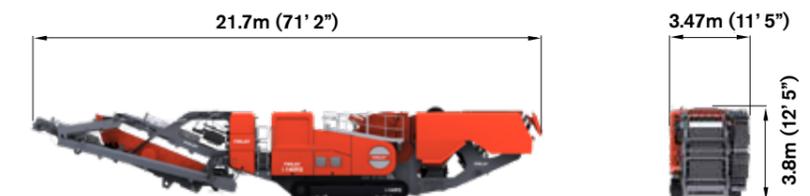
Impact Chamber

- ▶ 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



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

TRANSPORT DIMENSIONS



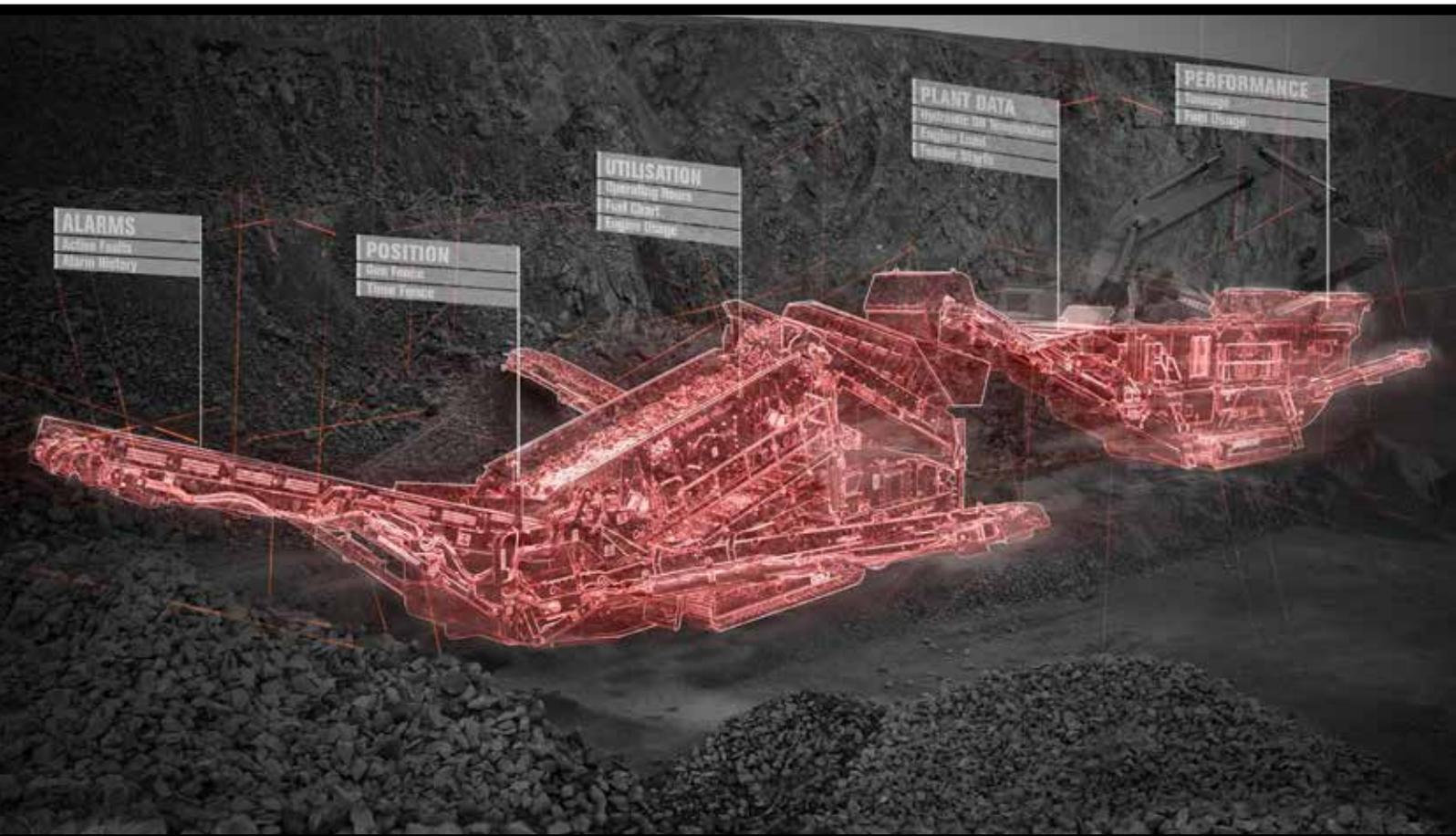
WORKING DIMENSIONS



BELL



FLEET MANAGEMENT SYSTEM



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