



# TRACKED MOBILE IMPACT CRUSHER



**I-110RS**  
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# I-110RS

The Terex Finlay I-110RS tracked impact crusher provides the versatility of a crushing and screening plant on one machine. Based on the Terex Finlay I-110 this machine features an innovative quick detach 3600mm x 1500mm (12' x 5'') double 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 recirculating of materials further processing.

## STANDARD FEATURES

### Engine:

- Tier 3 / Stage IIIA - Caterpillar C9 Tier III ACERT 224kW (300hp)
- Stage IIIA Constant Speed: Scania DC09 273kW (365hp)
- Tier 4F / Stage IV: Scania DC09 257kW (350hp)

### Chamber:

- 4 bar rotor - Martensitic blow bars 2 High & 2 Low - 1000mm x 1000mm (40" x 40")
- Hydrostatic drive and advanced electronic control system
- 1 Nr Stockpiler Drive

### Hopper / Feeder:

- Hopper capacity: Hydraulically folding hopper extensions 8m³ Hopper (10.4yd³)
- Heavy duty vibrating feeder (VGF) with integral prescreen
- Grizzly bar spacing 40mm standard
- Selectable discharge to by-pass conveyor or main conveyor
- Mesh aperture on grizzly feeder: 30mm

### Main Conveyor:

- Belt: 900mm (36") Wide
- High spec scraper at main conveyor head drum
- Piped for dust supression c/w Spraybars

### RS Components:

- 3660mm x 1530mm (12' x 5') double deck screen- supplied with 50mm top deck mesh
- No bottom deck or fitting parts supplied
- Fines conveyor belt: 1.4m- hydraulically folding for transport
- Transfer conveyor - Top deck transfer belt discharge onto recirculation conveyor as standard
- Recirculation conveyor: 500mm (20") feeding back to main hopper

### General:

- Galvanised catwalk c/w handrail, kickboard and access ladders
- Hand Held Track Control Set with Connection Lead
- Single speed tracking
- Heavy Duty Track Unit: 3780mm (12' 5") Sprocket Centres, 500mm (20") Shoe Width
- Safety Guards in Compliance with Machinery Directive
- Emergency stops

### By-pass conveyor

- Belt Width: 650mm (26")
- Belt Spec: Plain
- Working Angle: 22°
- Speed: 55-65 m/min
- Universal mounting to left or right hand side- (Specify at time of order)
- Hydraulically folds for transport
- Standard Discharge Height: 2m (6' 7")
- Stockpile capacity: 11.9m³ (15.6yd³) @ 40°
- Optional extended discharge height: 2.9m (9' 6")
- Extended Stockpile capacity: 36.3m³ (47.5yd³) @ 40°

### Hopper / Feeder

- Hopper capacity: 8m³ (10.4yd³)
- Feed height: 3.84m (12' 7")
- Material: 10mm (3/8") wear resistant steel
- Width at rear: 2.38m (7' 10")
- Vibrating Grizzly feeder (VGF): 1.39m x 940mm (4' 7" x 3' 1")
- VGF grizzly aperture: 40mm standard (75mm, 100mm optional)
- VGF wire mesh aperture: 38mm
- Speed range: 450-800 rpm
- Hopper extensions STD
- Locking mechanism: manual
- Extensions Hydraulically folding sides and rear

### Chassis

- Heavy duty chassis

### Impact chamber

- Rotor diameter: Ø1000mm (40")
- Rotor width: 1000mm (40")
- Inlet opening: 900mm x 830mm (35" x 32")
- Rotor speed Range: 520 – 800 rpm
- Maximum feed size 500mm (20") depends on material
- Drive arrangement: Hydrostatic Drive
- Twin Apron
- Maximum apron settings: Primary: 200mm (8") Secondary: 100mm (4")
- Minimum apron setttings: Primary: 50mm (2") Secondary: 20mm (3/4")
- 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: Martensitic (standard), ceramic & high chrome

### Powerpack

- Tier 3 / Stage IIIA: Caterpillar C9 Tier III ACERT
- Engine Power: 224kW (300hp)
- Engine Speed: 2000 rpm
- Stage IIIA Constant Speed: Scania DC09
- Engine Power: 273kW (365hp)
- Engine Speed: 1800 rpm
- Tier 4F / Stage IV: Scania DC09
- Engine Power: 257kW (350hp)
- Engine Speed: 2000 rpm

### Main conveyor

- Belt Width: 900mm (36")
- Belt Spec: Plain
- Working Angle: 22°
- Speed: 105 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: 3.3m (10' 10")
- Optional vibratory undercrusher feeder with wear resistant liners and 2/3 length main conveyor

### Magnet (optional)

### Fines conveyor

- Belt width: 1.4m (55")
- Belt spec: Plain
- Working Angle: 22°
- Speed: 75-90 m/min
- Hydraulically folds for transport
- Discharge Height: 3.0m (9' 10")
- Stockpile capacity: 40.3m³ (53yd³) @ 40°

### Screenbox

- Top deck: 3.66m x 1.53m (12' x 5')
- Bottom deck: 3.05m x 1.53m (10' x 5')
- Tensioning top deck: side
- Tensioning bottom deck: end
- Drive: hydraulic with heavy duty bearing
- Screen Angle: 19° - 22°, hydraulic adjust
- Screen Speed: 1200 rpm
- 40mm Mesh fitted as standard to top deck
- No mesh fitted to bottom deck as standard. Middle-grade blanking chute fitted
- 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: 10.1m² (110ft²)

### Oversize Transfer conveyor

- Belt width: 500mm (20")
- Belt spec: Plain
- Speed: Variable speed, 90-100 m/min max belt speed
- Hydraulically folds for transport
- Steel skirted full length of conveyor

### Recirculation conveyor

- Belt width: 500mm (20")
- Belt spec: Chevron
- Working Angle: 27°
- Speed: Variable speed, 75-90 m/min
- Hydraulically folds for transport

### Undercarriage

- Bolt on tracks
- Shoe width: 500mm (20")
- Sprocket Centres: 3.78m (12' 5")
- Track Speed: 1.0 km/h
- Gradability: 25°

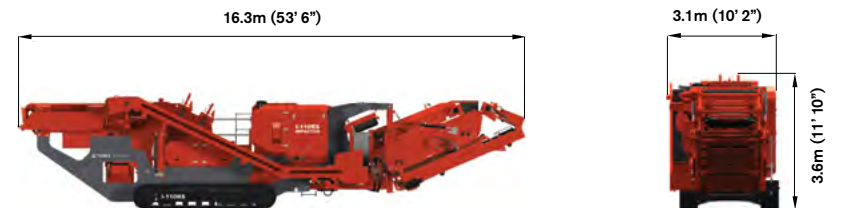
## Features:

- On board 3660mm x 1520mm (12' x 5') sizing screen passes oversize material back to the chamber via the on-board recirculating conveyor.
- The fines conveyor and screen can be hydraulically lowered for ease of service access and mesh changes.
- The onboard fines conveyor has a high discharge height of 2900mm (9' 6") for stockpiling or further processing by a secondary screener.



Machine Weight: \* 46,000kg (101,413lbs)  
\* Standard Machine configuration

## Transport Dimensions



## Working Dimensions



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