

# IC-110RS

## IMPACT CRUSHER



Inlet Opening:	Ø1034mm x 1000mm (Ø41.5" x 40")	
Net Engine Power:	Tier 4F / Stage IV:	Volvo 235kW (315hp)
	Stage V:	Volvo 235kW (315hp)
Portability:	Tracked	
Operating Weight:	35,600kg (78,485lbs)	

STRONG **HERITAGE**, STRONG **FUTURE**

 **FINLAY**<sup>®</sup>  
A TEREX BRAND

# SPECIFICATION

## HOPPER / FEEDER

Hopper capacity: 3.3m<sup>3</sup> (4.3yd<sup>3</sup>)

Feed height: 3.13m (10' 3")

Material: 10mm (3/8") thick wear resistant steel

Width at rear: 2m (6' 7")

Screen area: 1500 x 950mm (5' x 3' 2")

Punch plate: 40mm (1.5") as standard

Speed variable

## IMPACT CHAMBER

Rotor diameter: Ø1034mm (41.5")

Rotor width: 1000mm (40")

Inlet opening: 1030mm x 790mm (41" x 31")

Rotor Tip speed: 34-43m/s

Rotor speed Range: 630-800RPM

Maximum Feed Size: 450mm<sup>3</sup> (18in<sup>3</sup>) / 750mm (30") diagonally / 800 x 500 x 250mm (32" x 20" x 10") slab

Drive arrangement: Direct drive via clutch

Twin Apron

Maximum apron settings: Primary 150mm Secondary 75mm

Minimum apron settings: Primary 50mm Secondary 20mm

Rotor Configuration: 4 bar rotor (2 High / 2 Low as standard)

Hydraulic overload protection

Hydraulic apron setting assist

Blowbar Options:

Martensitic (standard)

Martensitic ceramic

High chrome

Toughened high chrome

## MAIN CONVEYOR

Belt Width: 1000mm (40")

Belt Spec: EP500/3, 8+2 (Steel wire breaker ply)

Full length main conveyor with impact bars at feed point

Optional 2/3 length main conveyor and vibratory under crusher feeder with wear resistant liners

Main conveyor can be lowered hydraulically for maintenance

Dust suppression: fitted with hose and spray bars as standard (no pump supplied)

Discharge Height: 3.42m (11' 3")

## POWERPACK

Tier 4F / Stage IV: Volvo

Engine Power: 235kW (315hp)

Engine Speed: 1500 - 1800rpm variable

Stage V: Volvo

Engine Power: 235kW (315hp)

Engine Speed: 1500 - 1800rpm variable

## TANK CAPACITIES

Hydraulic Tank: 260L litres / 57 UK gal / 69 US gal

Fuel Tank: 450 litres / 99UK gal / 106 US gal

## SCREEN BOX

Top deck: 2.74m x 1.5m (9' x 5') single deck screen

Tensioning top deck: Side tensioned mesh

Drive: Hydraulic Motor

Screen Angle: -25°

Screen Speed: 1200 rpm

Screen lowers to a horizontal position for mesh changing and general service access

Screen and Fines can be quickly detached if not required

Total screening area: 4.11m<sup>2</sup> (45ft<sup>2</sup>)

## TRANSFER CONVEYOR

Belt width: 500mm (20")

Belt spec: EP500/3, 5 + 1.5

## RE-CIRCULATING CONVEYOR

Belt width: 500mm (20")

Belt spec: EP315/3 3+1.5 with 15mm cleats

Discharge Height: 3.8m (12' 6") discharge height in stockpile mode

Conveyor can be hydraulically rotated between recirculation mode and stockpile mode

## FINES CONVEYOR

Belt width: 1200mm (48")

Belt spec: EP500/3, 5 + 1.5

Discharge Height: 3m (9' 10")

## BY-PASS CONVEYOR - OPTIONAL

Belt Width: 500mm (20")

Belt Spec: EP500/3, 3.5 + 1.5

Discharge Height: 2.48m (8' 2")

Hydraulically folds for transport

## UNDERCARRIAGE

Shoe Width: 400mm (16")

Sprocket Centres: 3.29m (10' 9")

Track Speed: 2 speed motor as standard

Gradeability: 30°

## CONTROL SYSTEMS

Simple Intuitive Control System

The Main control panel uses a Printed Circuit Board (PCB) solution to improved reliability

Fitted with Terex Finlay T-Link telemetry system c/w 3 years data subscription

## STANDARD FEATURES

### ENGINE:

Tier 4 F/ Stage IV: Volvo 235kW (315hp)

Stage V: Volvo D8 235kW (315hp)

Hinged cooling pack to aid maintenance

### IMPACT CHAMBER:

Terex CR055 Impact chamber c/w full hydraulic apron setting

4 bar rotor - 2 full high Martensitic and 2 low manganese blow bars

Direct Drive via Clutch

Blow bar lifting tool supplied

### HOPPER / FEEDER:

VGf fixed hopper

Stepped grizzly feeder with integral pre-screen, standard punch plate 40mm

Selectable discharge to by-pass conveyor or main conveyor

### MAIN CONVEYOR:

Belt width: 1000mm (40") wide full length belt

### RS COMPONENTS:

9' X 5' 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

Rapid detach after screen system for flexibility

### 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 yrs data subscription

### GENERAL:

Safety Guards in Compliance with Machinery Directive

Dual speed tracking

## OPTIONAL EQUIPMENT

Rotor fitted with 2 full high chrome and 2 low manganese blow bars

Rotor fitted with 2 full high ceramic and 2 low manganese blow bars

Rotor fitted with 4 full martensitic blow bars

Rotor fitted with 4 full high chrome blow bars

Rotor fitted with 4 high ceramic blow bars

Blow bar gantry

Blow bar storage rack for 2 additional blowbars (note: blowbars not included)

Please contact the sales department for blowbar options

VGf optional grizzly spacing - 45mm, 60mm (Please specify aperture)

VGf optional punch plate spacing - 50mm & 60mm (Please specify aperture)

Blanking plate cassette

Bolt on protector plates to further improve side panel protection (note: increases transport width unless removed)

Belt weigher on main conveyor

Removable Aluminium Dust Covers

Under crusher vibratory feeder with wear resistant steel liners (c/w shortened main conveyor)

Hot climate oils - (Recommended for ambient temperatures between +15 to +50°C)

Cold climate oils - (Recommended for ambient temperatures between -20 to +30°C)

Water pump for dust suppression

Radio remote system

Lighting mast (check leadtime)

Electric Refueling Pump

### Impact chamber

- ▶ Rotor diameter: Ø1034mm (41.5")
- ▶ Rotor width: 1000mm (40")
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- ▶ Rotor Tip speed: 34-43m/s
- ▶ Rotor speed Range: 630-800RPM
- ▶ Maximum Feed Size: 450mm<sup>3</sup> (18in<sup>3</sup>) / 750mm (30") diagonally / 800 x 500 x 250mm (32" x 20" x 10") slab
- ▶ Drive arrangement: Direct drive via clutch
- ▶ Twin Apron
- ▶ Hydraulic overload protection
- ▶ Hydraulic apron setting assist

### Hopper / Feeder

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- ▶ Width at rear: 2m (6' 7")
- ▶ Screen area: 1500 x 950mm (5' x 3' 2")
- ▶ Punch plate: 40mm (1.5") as standard
- ▶ Speed variable

### Powerpack

- ▶ Tier 4F / Stage IV: Volvo
- ▶ Engine Power: 235kW (315hp)
- ▶ Engine Speed: 1500 – 1800rpm variable
- ▶ Stage V: Volvo
- ▶ Engine Power: 235kW (315hp)
- ▶ Engine Speed: 1500 – 1800rpm variable

### Re-circulating conveyor

- ▶ Belt Width: 500mm (20")
  - ▶ Belt Spec: EP315/3 3+1.5 with 15mm cleats
  - ▶ Discharge Height: 3.8m (12' 6")
- discharge height in stockpile mode

### By-pass conveyor (optional)

- ▶ Belt Width: 500mm (20")
- ▶ Belt Spec: EP500/3, 3.5 + 1.5
- ▶ Discharge Height: 2.48m (8' 2")
- ▶ Hydraulically folds for transport

### Undercarriage

- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 2.95m (10' 9")
- ▶ Track Speed: 2 speed motor as standard
- ▶ Gradeability: 30°

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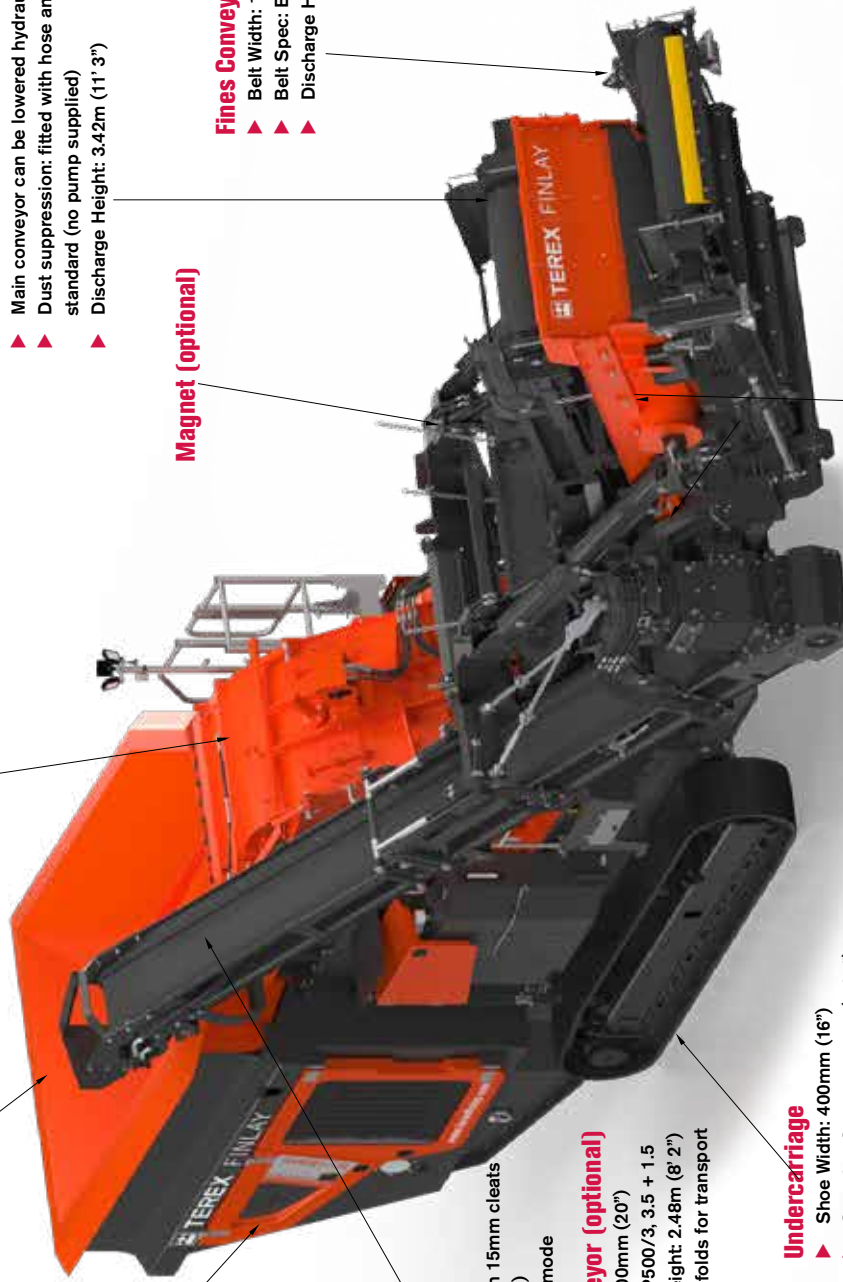
### Magnet (optional)

### Fines Conveyor

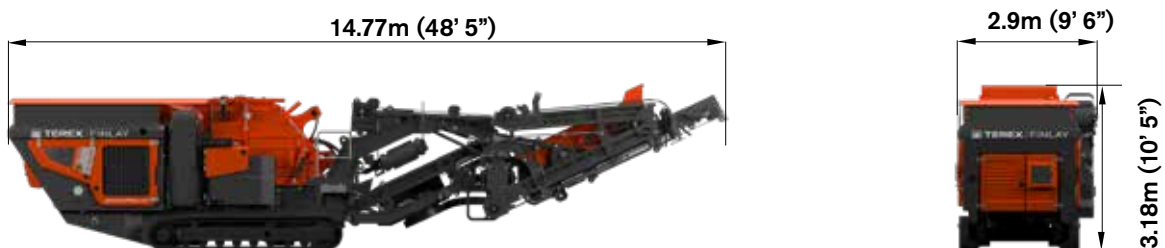
- ▶ Belt Width: 1200mm (48")
- ▶ Belt Spec: EP500/3, 5 + 1.5
- ▶ Discharge Height: 3m (9' 10")

### Screenbox

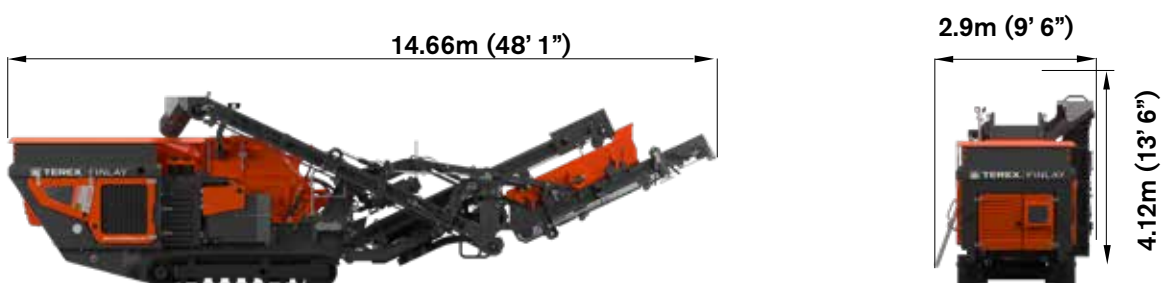
- ▶ Top Deck: 2.74m x 1.5m (9' x 5') single deck screen
- ▶ Tensioning top deck: Side tensioned mesh
- ▶ Drive: Hydraulic motor
- ▶ Screen Angle: 25°
- ▶ Screen Speed: 1200 rpm



## TRANSPORT DIMENSIONS



## WORKING DIMENSIONS



**MACHINE WEIGHT: 35,600kg (78,485lbs)**

For further information on specific machine weight configurations please consult Terex Finlay