



# IMPACT CRUSHER



**I-120RS**



**WORKS FOR YOU.™**

# I-120RS

The Terex Finlay 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 257kW (350hp)

Stage IIIA Constant Speed: Scania DC9 273kW (365hp)

Tier 4 Final /Stage IV: Scania DC9 257kW (350hp)

### IMPACT CHAMBER:

Terex CR038 Impact chamber

Fully Hydraulically assisted apron setting and hydraulic apron release

Manual raise inlet 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

Tip Speed range 36-45 m/sec (118-148 ft./sec)

### HOPPER/FEEDER:

Hopper capacity: 5m³ (6.5 yd³) and rear feed width of 2.1m (6' 10")

Fixed Hopper

Heavy duty vibrating feeder

Stepped grizzly feeder with integral pre-screen, standard 50mm spacing

Mesh aperture on grizzly feeder: 38mm

### MAIN CONVEYOR:

Belt: 1.1m (44") full length

High spec scraper at main conveyor head drum

Piped for dust suppression c/w Spraybars

### RS COMPONENTS:

Two Deck afterscreen: 3.66m X 1.53m (12' X 5')

Transfer conveyor: 500mm (20") collecting material from both screen decks

500mm (20") wide belt hydraulic folding re-circulating conveyor able to slew for stockpiling oversize material with a 4.68m discharge height

Fines conveyor: 1.4m (55") with a 3m discharge height

Rapid detach after screen system for flexibility

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

### 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.



**TEREX®** | **FINLAY**



### 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: 5m<sup>3</sup> (6.5 yd<sup>3</sup>)
- ▶ Hopper capacity - With Ext: 8m<sup>3</sup> (10.4 yd<sup>3</sup>) 4m (13' 1") rear feed width with hydraulic folding hopper extensions (optional)
- ▶ Hydraulic locking
- ▶ 8mm wear resistant side walls

### BYPASS CONVEYOR (OPTIONAL)

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

### Re-circulating conveyor:

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

### Transfer Conveyor

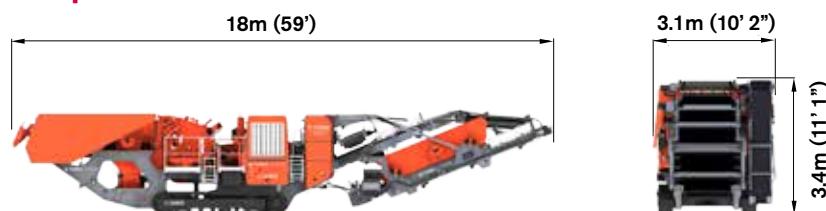
- ▶ Belt Width: 500mm (20")

### Powerpack

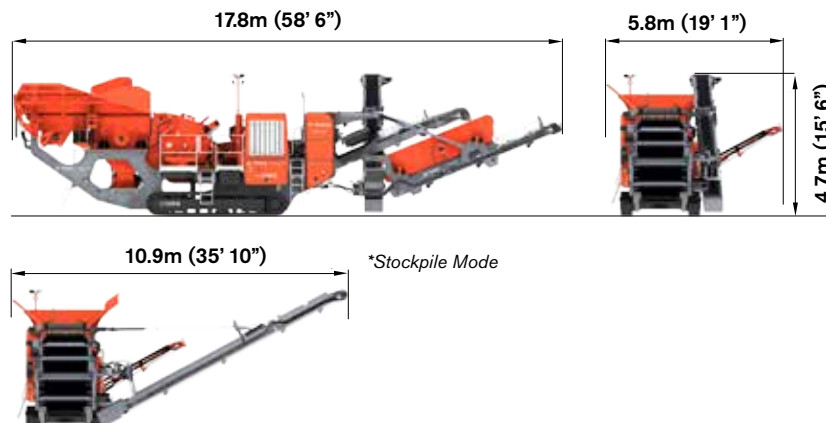
- ▶ Tier 3 / Stage IIIA: Caterpillar C9  
Engine Power: 257kW (350hp)  
Engine Speed: 1700 rpm-2100 rpm
- ▶ Stage IIIA Constant Speed: Scania DC9  
Engine Power: 248-273kW (365hp)  
Engine Speed: 1500-1900 rpm
- ▶ Tier 4F / Stage IV: Scania DC9  
Engine Power: 257kW (350hp)  
Engine Speed: 1500 rpm-1900 rpm



### Transport Dimensions



### Working Dimensions



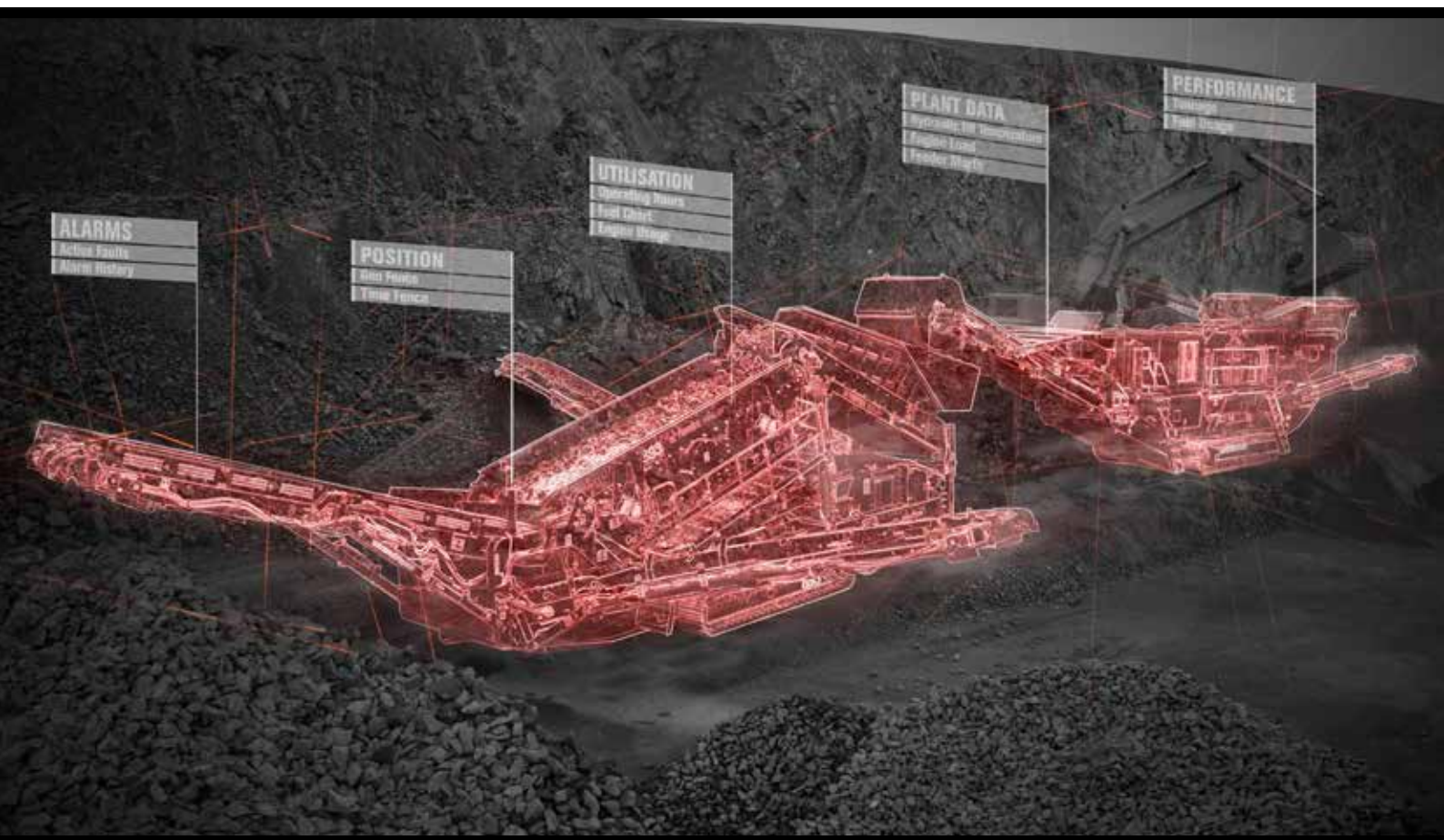
Machine weight: 48,150kg (106,153lbs\*)  
(\*VGF, Hopper Extensions & Heavy Duty Magnet)

**WORKS FOR YOU.™**



# **Tlink™**

## **FLEET MANAGEMENT SYSTEM**



**FOR FURTHER INFORMATION CONTACT:**

**E. [finlay.tlink@terex.com](mailto:finlay.tlink@terex.com)**

Follow Us:



**[www.terexfinlay.com](http://www.terexfinlay.com)**

Effective March 2017. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex USA LTD. makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex® is a registered trademark of Terex Corporation in the USA and many other countries. Copyright 2010 Terex USA Ltd.



**TEREX® | FINLAY**

**WORKS FOR YOU.™**