

 **TEREX** | FINLAY

# JAW CRUSHER



**J-1170D**  
f o v

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# J-1170

The Terex Finlay J-1170 is a compact and aggressive tracked primary jaw crusher. The heartbeat of the machine is a robust direct driven Terex jaw chamber which provides high capacity with large reduction ratios. The jaw chamber configuration can be set up specifically for quarrying applications or processing construction demolition debris using the hydraulic release chamber option.

The J-1170 features a heavy duty variable speed VGF and integrated prescreen giving excellent production throughput in quarrying, mining, demolition and recycling applications. Notable options include a variable speed pan feeder along with an independent prescreen system. The J-1170's 48 tonne / 105,822lbs transport weight and compact dimensions mean lower transport costs between and within crushing sites.

## STANDARD FEATURES

### ENGINE:

Tier 3 / Stage IIIA : Caterpillar C9 Tier 3 ACERT. 205kW (275hp)

Stage IIIA Constant Speed: Scania DC9 226kW (300hp)

### JAW CHAMBER:

Terex 1100 x 700mm (44" x 28") Single toggle jaw crusher-Hydraulic Adjust or Hydraulic Release

Direct drive and advanced electronic control system

S' Tooth Liners - 18% Manganese as standard

### HOPPER / FEEDER:

Hydraulically folding hopper sides

Integrated pan and feeder - cassette is 75mm spacing as standard

Mesh aperture on grizzly feeder: 38mm

### MAIN CONVEYOR:

Belt width: 1000mm (40") fitted with impact bars at feed point

Hydraulic raise/lower of main conveyor

### 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 complete with spraybars

### ELECTRICAL:

Emergency stops

Handheld 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

Separate central operators panel

Two speed tracks

### Jaw chamber

- ▶ Terex 1100mm X 700mm single toggle jaw crusher Hydraulic Release or Hydraulic Adjust
- ▶ Inlet width: 1100mm (44")
- ▶ Inlet gape: 700mm (28")
- ▶ Under jaw clearance: 520mm (20.5")
- ▶ Maximum Closed Side Settings (CSS): 150mm (6")
- ▶ Minimum Closed Side Settings (CSS): 50mm (2") - application dependent. 75mm (3") Quarry application
- ▶ Hydraulic release optional. Increased weight (+200kgs/441lbs)
- ▶ Standard Liner Profile: S-Tooth (18% Manganese)
- ▶ Reverse action for clearing blockages - optional

### Hopper / Feeder

- ▶ Hopper capacity: 9m<sup>3</sup> (11.7yd<sup>3</sup>)
- ▶ Feed height: 4.01m (13' 2") VGF Machine
- ▶ Feed height: 4.28m (14') Prescreen Machine
- ▶ Material: 10mm wear resistant steel
- ▶ Feed width at rear: 2.4m (7' 10")
- ▶ Locking mechanism: hydraulic
- ▶ Vibrating Grizzly feeder (VGF): 1.05m wide x 4.25m long
- ▶ VGF grizzly aperture: 75mm (Options 50mm/100mm/125mm)
- ▶ VGF wire mesh aperture: 38mm (Other options available upon request)
- ▶ VGF Speed range: variable, 650-900 rpm
- ▶ Pan Feeder Speed range: variable, 650-900 rpm
- ▶ Hopper extensions (Optional): 11m<sup>3</sup> (14.4yd<sup>3</sup>)
- ▶ Optional Independent Hydraulic Prescreen. Feed height 4.28m (14')
- ▶ Prescreen dims: 1.04m wide x 2.09m long

## Features:

- ▶ Robust proven Terex 1100mm x 700mm jaw crusher for high capacity and large reduction ratios in quarrying, mining, demolition and recycling applications.
- ▶ Optional hydraulic release for demolition and recycling applications.
- ▶ Compact dimensions and quick set-up make the J-1170 the optimum solution for contract crushing as well as demanding in-pit applications.
- ▶ Direct drive jaw chamber fitted with an unblock feature that maximizes uptime.
- ▶ Hydraulically assisted closed side setting adjustment minimizes downtime and offers quick adjustment.





### Powerpack

- ▶ Tier 3/Stage IIIA: Caterpillar C9  
Engine Power: 205kW (275hp)  
Engine Speed: 1600-1700 rpm
- ▶ Stage IIIA Constant Speed: Scania DC09  
Engine Power: 226kW (300hp)  
Engine Speed: 1500 rpm

### Main conveyor

- ▶ Belt Width: 1000mm (40")
- ▶ Belt Spec: Plain
- ▶ Working Angle: 23°
- ▶ Speed: 110 m/min nominal
- ▶ Discharge height: 3.92m (12' 10"),
- ▶ Hydraulic raise/lower of head section for service access
- ▶ Dust suppression: fitted with hose and spraybars as standard (no pump supplied)
- ▶ Rigid non-folding main conveyor for transport
- ▶ Optional folding main conveyor for shorter transport envelope
- ▶ Stockpile capacity: 88.7m<sup>3</sup> (116yds<sup>3</sup>) @ 40°



### By-pass conveyor (optional)

- ▶ Belt Width: 650mm (26")
- ▶ Extended Bypass conveyor belt Width: 650mm (26")
- ▶ Belt Spec: Plain
- ▶ Working Angle: 22°
- ▶ Speed: 80 m/min nominal
- ▶ Hydraulically folds for transport
- ▶ Discharge Height: 2.1m (6' 10")
- ▶ Extended conveyor discharge Height: 2.9m (9' 6")
- ▶ Stockpile capacity: 36.3m<sup>3</sup> (47.5yds<sup>3</sup>) @ 40°

### Platforms

- ▶ Galvanised catwalks and ladders for full maintenance and service access
- ▶ Catwalks on left hand side of the machine with access to both sides of the powerunit
- ▶ Compact folding for transport

### Undercarriage

- ▶ Shoe Width: 500mm (20")
- ▶ Sprocket Centres: 3.78m (12' 5")
- ▶ Two Speed Tracking with 'soft start'
- ▶ Speed: 1.0 km/h (Maximum Speed)
- ▶ Gradeability: 25°

### Chassis

- ▶ Robust, heavy duty chassis

### Magnet (optional)

### Transport Dimensions



### Working Dimensions

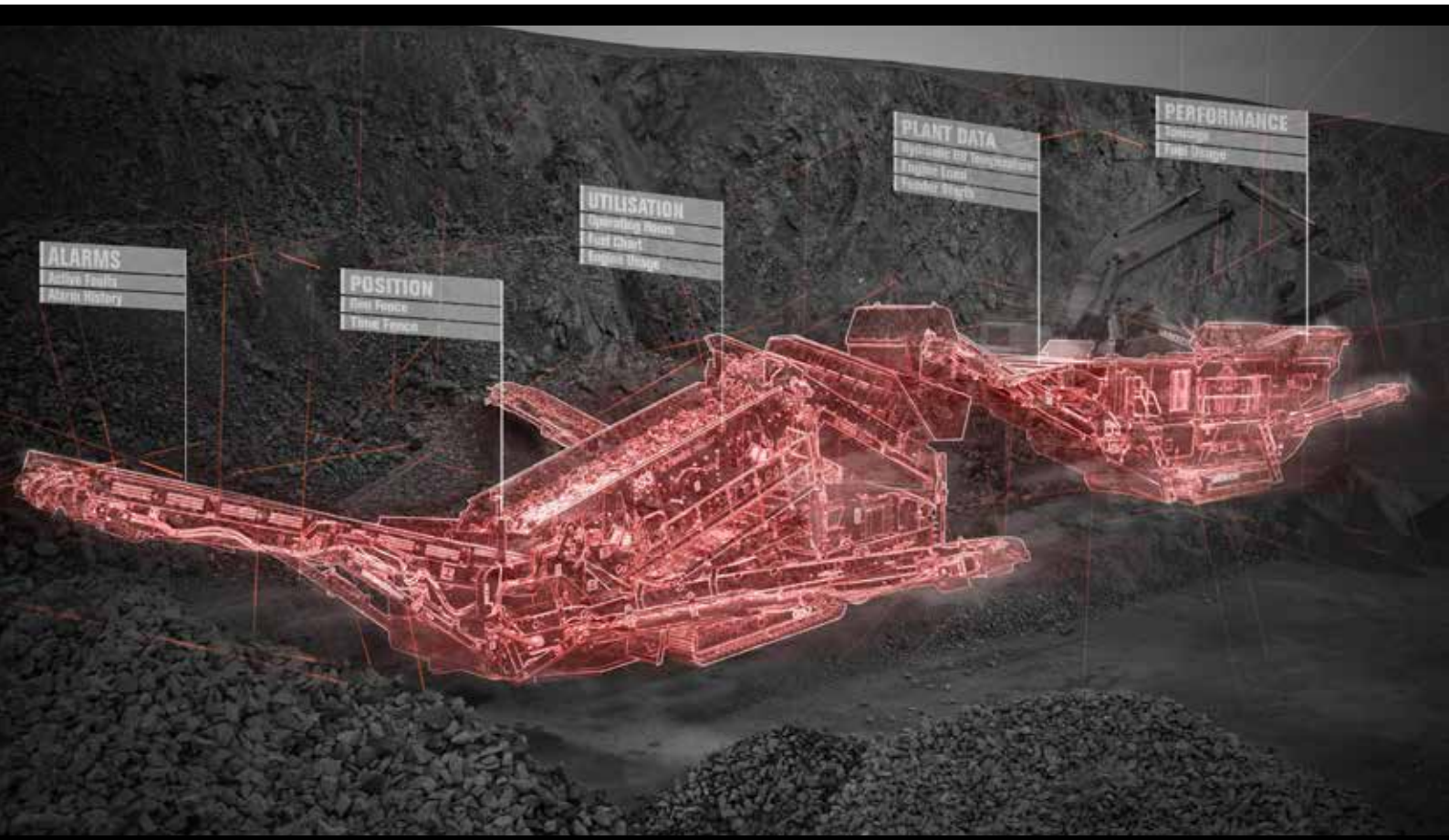


Machine weight: 48,000kg(105,822lbs)  
(HA, VGF, single pole magnet,  
bypass conveyor, standard rigid conveyor & unblock feature)

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## FLEET MANAGEMENT SYSTEM



**FOR FURTHER INFORMATION CONTACT:**

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