

# JAW CRUSHER



**J-1170AS**  
  

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# J-1170AS

The J-1170AS jaw crusher provides the flexibility of a crushing and screening plant on one machine. This aggressive machine features a detachable on-board sizing screen. The heartbeat of the machine is a robust hydrostatically 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-1170AS features a heavy duty variable speed VGF and integrated prescreen giving excellent production throughput in quarrying, mining, demolition and recycling applications.

## STANDARD FEATURES

### Engine:

Tier 3 / Stage IIIA: Caterpillar C9 261kW (350hp)

Stage IIIA (Tier 3) Constant Speed: Scania DC09 273kW (365hp) (EU only )

Tier 4F / Stage IV: Scania DC09 257kW (350hp)

### Jaw Chamber:

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

75mm pre-set closed side setting for quarry applications

Hydrostatic drive and advanced electronic control system

Reversible operation for clearing blockages

S' Tooth Liners - 18% Manganese as standard

### Hopper / Feeder:

Hopper Capacity: 9m³ (11.7yd³)

Hydraulically folding hopper sides

Heavy duty vibrating feeder

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

Selectable discharge to by-pass conveyor or main conveyor

Mesh aperture on grizzly feeder: 38mm

### Main Conveyor:

Belt width: 1m (40") - fitted with impact bars at feed point- fixed head, discharge height 3.1m

Hydraulic raise/lower of main conveyor

High spec scraper at head drum

### Afterscreen:

Screenbox: 2.44m x 1.53m (8' x 5') Single deck after screen

Belt Width: 650mm (26") hydraulic folding oversize conveyor with a 2.8m (9' 2") discharge height

Belt Width: 1.4m (55") hydraulic folding fines conveyor with a 2.8m (9' 2") discharge height

Rapid detach after screen system for flexibility

Longer tracks 4.05m sprocket centres

Note: This option uses 2 Auxilary Drives\*

### General:

Separate central operators panel

Piped for dust supression complete with spraybars

Piped for overband magnet

Galvanised LHS catwalk c/w handrail, kick board and access ladder

Heavy duty undercarriage unit with 500mm wide pads

Hand held track control set with connection lead



### Afterscreen

- ▶ Single deck: 2.44m x 1.53m (8' X 5')
- ▶ Tensioning: side
- ▶ Drive: hydraulic with heavy duty bearing
- ▶ Screen Angle: 23°
- ▶ Screen Speed: 1100 rpm
- ▶ 40mm mesh fitted as standard
- ▶ Screen can be lowered to a horizontal position for mesh changing and general service access
- ▶ Total screening area: 3.7m² (40ft²)

### Fines Conveyor

- ▶ Belt width: 1.4m (55")
- ▶ Belt spec: Plain
- ▶ Working Angle: 23°
- ▶ Speed: 90 m/min nominal
- ▶ Hydraulically folds for transport
- ▶ Discharge Height: 2.8m (9' 2")
- ▶ Stockpile capacity: 32.6m³ (42.6yds³) @ 40°

### Main Conveyor

- ▶ Belt Width: 1m (40")
- ▶ Belt Spec: Plain
- ▶ Working Angle: 23°
- ▶ Speed: 100 m/min nominal
- ▶ Fully tunnelled lower section
- ▶ High spec scraper at head drum

### Jaw Chamber

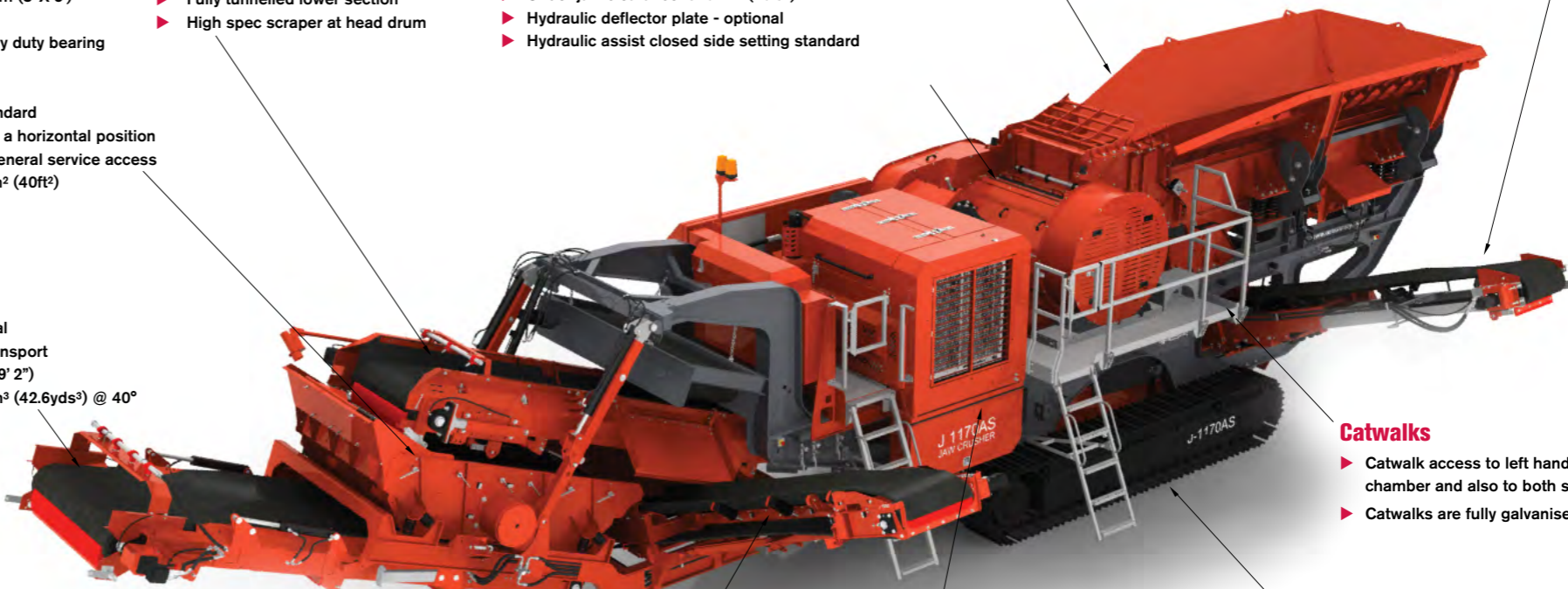
- ▶ Terex 1100mm X 700mm (44" x 28") chamber single toggle jaw crusher
- ▶ Under jaw clearance: 520mm (20.5")
- ▶ Hydraulic deflector plate - optional
- ▶ Hydraulic assist closed side setting standard

### Hopper/Feeder

- ▶ Hopper capacity: 9m³ (11.7yd³)
- ▶ Feed height: 4.01m (13' 2")
- ▶ Feed width at rear: 2.4m (7' 10")
- ▶ Hopper extensions (Optional): 11m³ (14.4yd³)

### By-Pass Conveyor (Optional)

- ▶ Belt Width: 650mm (26")
- ▶ Discharge height: 2.9m (9' 6")
- ▶ Hydraulically folds for transport
- ▶ Stockpile capacity: 36.3m³ (47.5yds³) @ 40°



### Catwalks

- ▶ Catwalk access to left hand side and rear of jaw chamber and also to both sides of the engine enclosure
- ▶ Catwalks are fully galvanised

## Features:

- ▶ On board After Screen delivering a single sized product removing the need for a second machine.
- ▶ After Screen system can be removed quickly allowing the operator to use as a standard unit, giving the operator versatility depending on the application.
- ▶ Automatic variable speed VGF ensures continuous choke feeding of the crushing chamber for optimal productivity.
- ▶ High powered hydrostatic drive ensures precise chamber control and reverse functionality for clearing blockages and assisting in demolition and recycling applications.
- ▶ Hydraulic assisted closed side setting adjustment minimises downtime and offers quick adjustment.

### Upsize Transfer Conveyor

- ▶ Belt width: 650mm (26")
- ▶ Belt spec: Plain
- ▶ Working Angle: 23°
- ▶ Speed: 90 m/min nominal
- ▶ Hydraulically folds for transport
- ▶ Discharge Height: 2.8m (9' 2")
- ▶ Stockpile capacity: 32.6m³ (42.6yds³) @ 40°

### Powerunit

- ▶ Tier 3 / Stage IIIA: Caterpillar C9  
Engine Power: 261kW (350hp)  
Engine Speed: 1700 rpm
- ▶ Stage IIIA Constant Speed: Scania DC09  
Engine Power: 273kW (365hp)  
Engine Speed: 1800 rpm (EU only)
- ▶ Tier 4F / Stage IV: Scania DC09  
Engine Power: 257kW (350hp)  
Engine Speed: 1700 rpm

### Undercarriage

- ▶ Shoe Width: 500mm (20")
- ▶ Sprocket Centres: 3.78m (12' 5")
- ▶ Two Speed Tracking with 'soft start'
- ▶ Speed: 1.6 km/h (Maximum Speed)
- ▶ Gradeability: 25°



### Transport Dimensions



### Working Dimensions



Machine weight: \* 54,500kg (120,151lbs)  
\* with HA chamber, VGF, single pole magnet,  
by-pass conveyor, Afterscreen system  
other options available

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