

**TELSMITH**

an Astec company



## **QUARRY-TRAX MODEL TJ3258 TRACK MOBILE JAW CRUSHER**

Quarry-Trax model TJ3258 is a high production, track mobile, primary jaw crushing plant specifically designed for the serious aggregate producer.

At the heart of the plant's production capabilities is the TelSmith 3258 jaw crusher with hydraulic adjustment and overload relief. The larger gape and width of the 3258 jaw consistently delivers higher production yields than competitive machines. Equipped with hydraulic adjustment and tramp iron relief as standard equipment, the 3258 requires less maintenance and fewer repair parts, keeping it available for more crushing hours.

A key feature of the 3258 jaw is its ability to safely clear the crushing chamber following an emergency shutdown. This feature eliminates the hours of downtime and risk of injury associated with digging out a crusher. Utilizing hydraulics to crush stone, the 3258 clears the chamber and allows crushing operations to restart in minutes.

Utilizing handheld wireless controls, the Quarry-Trax is easily maneuvered within the job site to stay

near raw material and reduce processing costs. Equipped with a heavy duty 7 yd<sup>3</sup> loading hopper or optional hopper wing extensions for 18 yd<sup>3</sup> capacity, the TJ3258 works well with either loader or excavator feed systems.

Quarry-Trax takes advantage of PLC controls to optimize your operations. Intuitive plant control, diagnostic and troubleshooting screens are displayed on a LCD color monitor for ease of operation.

In the automatic mode, sonar level sensors help control plant operations. One sensor, located over the crusher, works with the feeder to maintain a choke feed. An additional sensor, located over the discharge pile, prevents damage by shutting down the feeder when the pile is too high. Combined, these features provide optimum production with minimum input from an operator.

When a track mobile plant makes sense and consistent high production is important, the Quarry-Trax is the right choice.

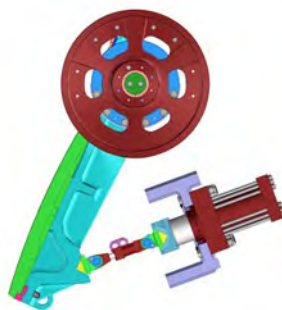
## HIGH PERFORMANCE CRUSHING:

The Telsmith model 3258 jaw crusher sets the modern standard for outstanding crushing capacity, rugged dependability and advanced operating features.

Designed around a 58" wide crushing chamber, the 3258 is wider than competitive machines and has a larger gape, delivering as much as 10% to 15% more crushing capacity.

Hydraulic adjustment cylinders reduce maintenance, lower operating costs and improve safety:

- Hydraulic adjustment using push button controls reduces maintenance time and helps maintain crusher output.
- Hydraulic tramp iron relief with automatic re-set protects the crusher from overload, reducing down-time and parts usage.
- Hydraulic chamber clearing allows the operator to safely clear the crusher in minutes, significantly reducing down time and risk of injury.

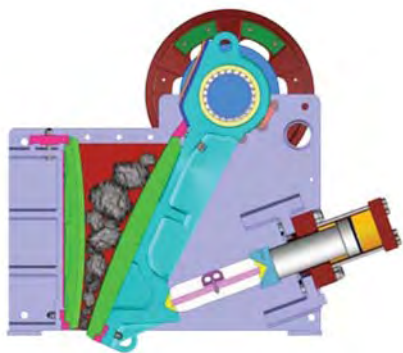


Massive hydraulic cylinders provide adjustment, relief and chamber clearing.

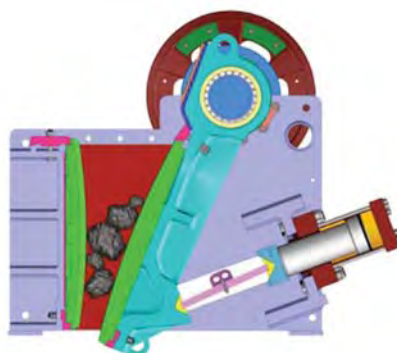


A position sensor automatically re-sets the crusher after relief.

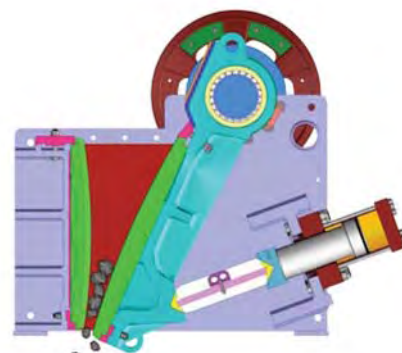
Push buttons control the crusher adjustment and chamber clearing.



Chamber clearing is achieved using hydraulics and push button controls. Cylinders retract the toggle beam allowing stone to fall deeper into the crusher.



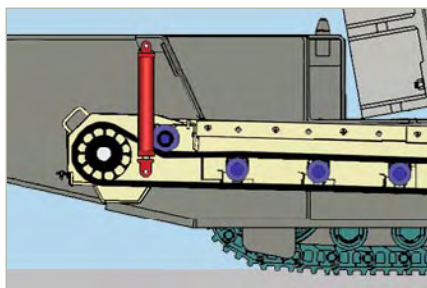
Powerful hydraulics then push the beam forward, crushing the remaining stone and safely clearing the crusher.



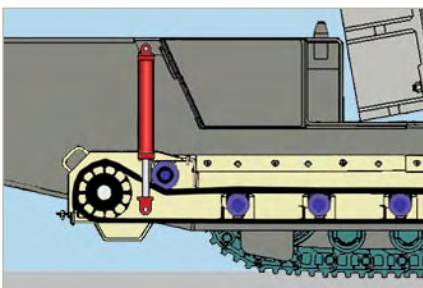
## 54"X45' CONVEYOR:

A powerful, 54" wide, end discharge conveyor features a hydraulic raise & lower tail section to improve on-site mobility and simplify maintenance. The entire

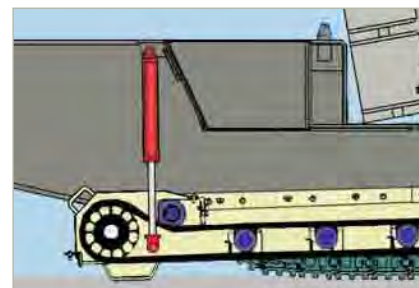
conveyor can be lowered to the ground and removed from the Quarry-Trax, allowing unfettered access for maintenance.



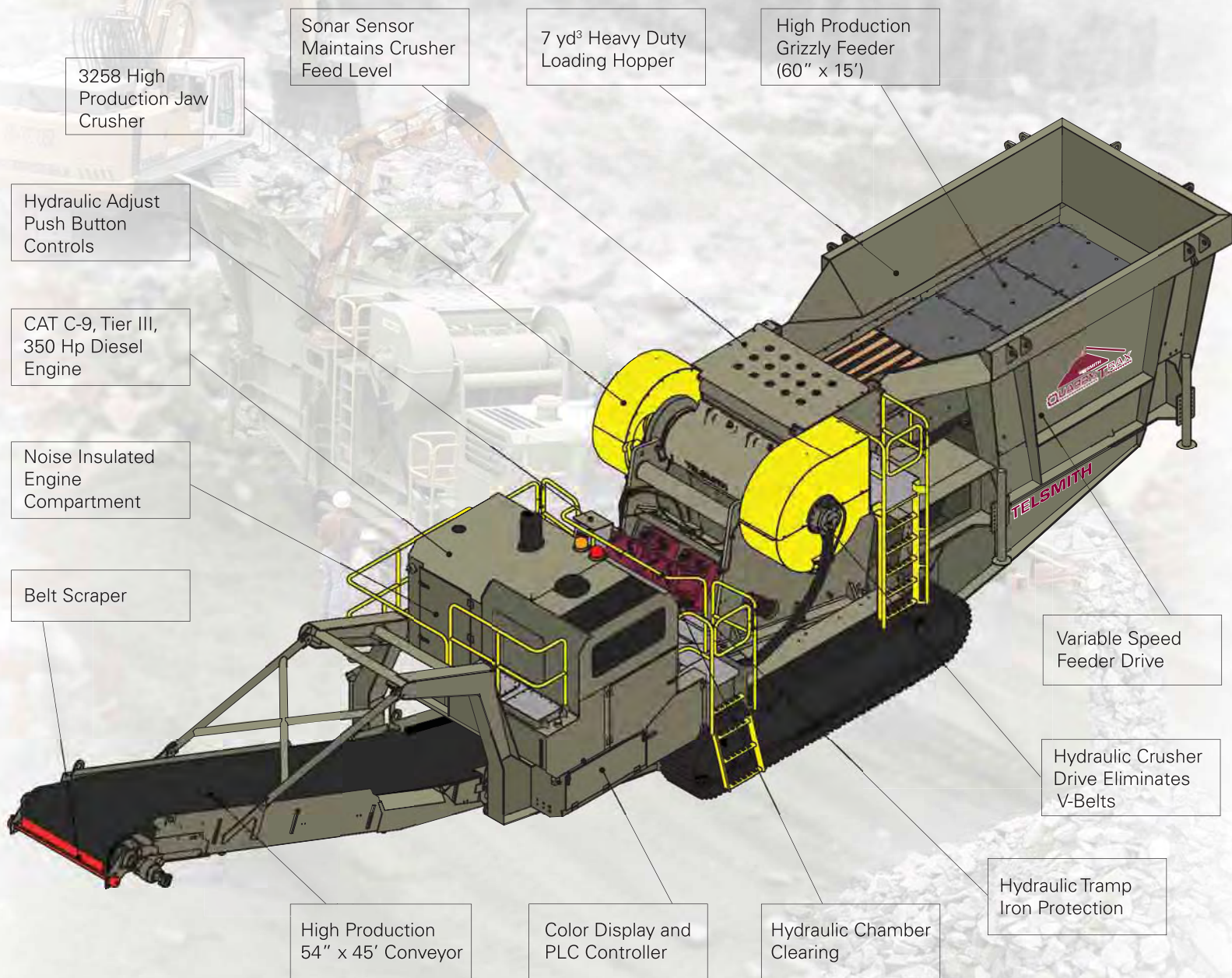
**Raised Position:** protects the tail section from damage when moving or cleaning up.



**Operating Position:** allows stone to transition smoothly from the jaw onto the conveyor.



**Ground Position:** resting on the ground, the conveyor can be removed for maintenance.



### SONAR SENSOR

A sonar sensor protects the conveyor by shutting down the feeder when the product pile is too high.



### LCD COLOR DISPLAY PANEL

On-plant LCD color display panel provides access to all on-board computer systems and plant diagnostics: engine systems, hydraulic systems, component settings, troubleshooting and alarms.



### HANDHELD REMOTE CONTROL

Handheld wireless remote control provides operating controls for driving the plant, start/stop for the crusher and feeder, feeder variable speed control and emergency stop.



R A X M O D E L T J 3 2 5 8

### HYDRAULIC DRIVE

Hydraulic variable speed drive works with the crusher level feed control to automatically maintain maximum production.



### HYDRAULIC CRUSHER AND FEEDER DRIVE

Hydraulic crusher and feeder drives eliminate the use of v-belts, reducing the maintenance required for normal operations.



### 225 GALLON FUEL TANK

Fuel tank provides enough fuel for 16 to 18 hours of operation in normal conditions.



### LARGE FEED OPENING

A large feed opening and 32' gape accepts larger stone than competitive machines. A sonar sensor works with the feeder to maintain a choke feed, maximizing tons per hour production.



### HYDRAULIC LIFT KIT (OPTIONAL)



Hydraulic lift kit for the feeder module. Includes 4-point hydraulic lift package with 8 Hp gas engine.

### ADJUSTABLE MAGNET (OPTIONAL)



Adjustable height, self-cleaning permanent magnet discharges to the side of the plant.

### HYDRAULIC HAMMER (OPTIONAL)



Hydraulic hammer (BTI MBS10-425X) 1,100 ft-lb class breaker with 10' boom includes handheld wireless remote control.

### HOPPER EXTENSIONS (OPTIONAL)



Heavy duty, folding wing, hopper extensions increase live storage to 18yd<sup>3</sup> capacity. Width at rear is 14'-11" capable of accepting loader feed from the rear of the plant.

### FOLDING CONVEYOR EXTENSION (OPTIONAL)



A 10 ft., manual fold, conveyor extension increases discharge height of the conveyor to 12'-10" (underside of belt scraper).

## PLANT SPECIFICATIONS:

### TELSMITH MODEL 3258 JAW CRUSHER:

- Hydraulic adjustment with push button controls
- Tramp-iron relief, automatically returns to setting
- Grease lubrication with all lines plumbed to a common point with Trabon distribution block
- Direct coupled hydraulic drive eliminates v-belts

### TELSMITH 60" X 15' VIBRATING GRIZZLY FEEDER:

- 5' grizzly section
- Hydraulic, variable speed drive eliminates v-belts

### TELSMITH 54" X 45' END DISCHARGE CONVEYOR:

- 3-ply (1/4" x 1/16") belting – vulcanized seam
- Impact bed in loading area
- Belt scraper
- Zero-speed sensor
- Ultra-sonic sensor over discharge pile interlocked to feeder
- Hydraulic raise/lower tail section increases clearance for travel and clean-up

### QUARRY-TRAX TRACK MOBILE CHASSIS:

- Removable vibrating grizzly feeder skid module with 7 yd<sup>3</sup> loading hopper
- Cat C-9 Tier III (350 Hp) diesel engine
- Heavy duty cooling package
- 225 gallon fuel tank

### TRACK UNDERCARRIAGE:

- 146" length
- 20" wide, triple grousers on 8" chain pitch
- Independent hydraulic drive motors capable of 0.6 mph travel speed

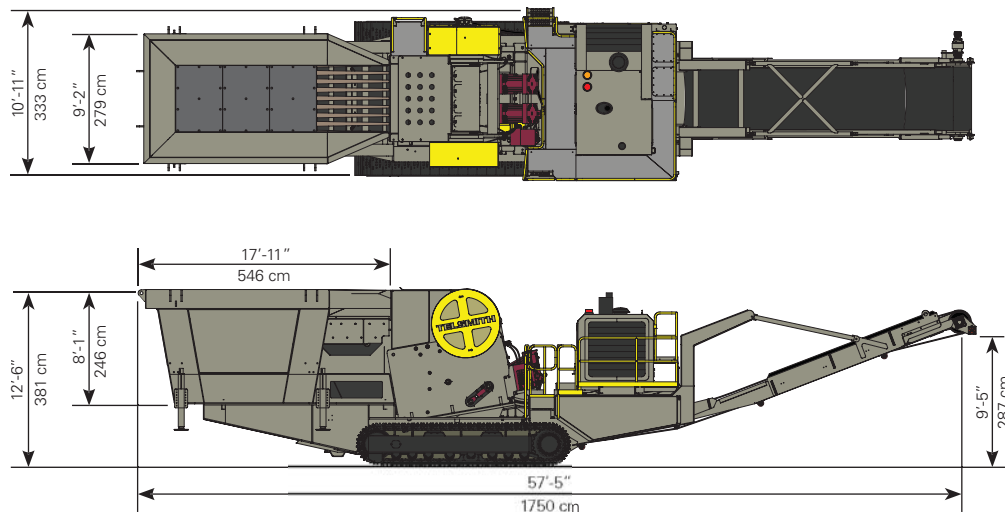
### PLANT CONTROLS:

- Handheld remote wireless control
  - Plant maneuver controls
  - Start/Stop for individual components
  - Emergency stop
- On-plant display panel (LCD color monitor)
  - Plant diagnostics
  - Crusher setting display

### OPTIONAL ITEMS:

- Auto grease lubrication system
- Hydraulic lift package for VGF module
- Magnet
- Hydraulic hammer
- Hopper extensions
- 30" x 17' Side discharge conveyor for VGF bypass (RH or LH side)
- Dust suppression piping plumbed to manifold with shut-off valve
- Folding 10' conveyor extension
  - raises discharge height to 14'-6"

### Plant Dimensions:



### Plant Weight - Model TJ3258

<b>Base Plant:</b> (track chassis, crusher, engine)	124,000 Lbs.	56,246 Kg.
<b>VGF Module:</b> (hopper, VGF, by-pass chute, supports)	25,000 Lbs.	11,340 Kg.
<b>Conveyor:</b> (main conveyor, fold down supports)	10,000 Lbs.	4,536 Kg.
<b>Total Plant Assembly:</b> (Excludes any optional items)	<b>159,000 Lbs.</b>	<b>72,122 Kg.</b>

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TJ3258 Track Mobile Jaw  
Crusher 9/07

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