

JP2550

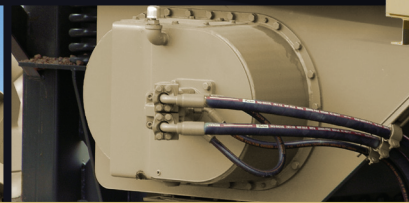


TELSMITH®

an Astec Industries Co.



Hopper Capacity  
8.0 m<sup>3</sup> (10.5 yd<sup>3</sup>)



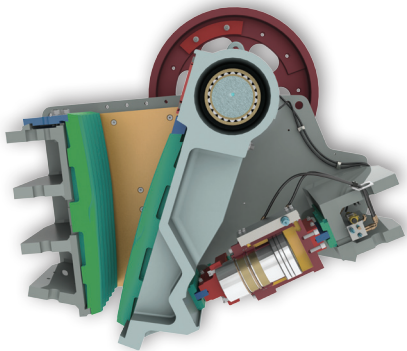
Variable Speed feeder drive  
(no V-belts)



Control panels detach for  
operation



High production conveyor  
with belt cleaner



## JP2550 Hydra-Jaw

- Push button hydraulic adjustment
- Automatic overload relief
- Push button chamber clearing

## Model JP2550 Portable Plant Featuring Hydra-Jaw Technology

The JP2550 is built for the portable crushing customer who demands consistent, reliable production, low mobilization costs and the versatility to perform in quarried stone or sand & gravel applications.

Taking advantage of the Hydra-Jaw™ JP2550, the plant reliably handles 610 mm (24") quarried stone feed while maintaining superior uptime availability and employee safety. Features like push button **Hydraulic Adjustment**, automatic tramp iron relief (auto reset) and remote control **Hydraulic Chamber Clearing** significantly reduce plant downtime and keep employees away from the crusher at potentially risky times.

Available with the standard electric power drive option or as a self contained, diesel power (Tier III or Tier IV) option, the plant is easy to move and quick to set up. The folding hopper design allows a 4115 mm (13'-6") travel height and 6-point hydraulic leveling assists quick set-up times for low mobilization costs.

 **TELSMITH®** an Astec Industries Company

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# JP2550 Portable Plant Specifications

## Standard Equipment:

### Telsmith Chassis:

- Telsmith fabricated structural steel chassis
- Tapered loading hopper 2794 mm (9'-2") wide, 4115 mm (13'-6") high, can be folded for additional clearance or travel
- Crusher service platform
- Tandem-axle assembly with walking beam suspension, air brakes, mud flaps, 12 ea. 11-22.5 wheels and tires

### Telsmith Model H2550 Hydra-Jaw™ Crusher:

- 635 mm (25") x 1270 mm (50") feed opening,
- Hydraulic toggle with cylinder position sensors
- Grease lubrication

### Telsmith 1219 mm (48") x 4877 mm (16')

### Vibrating Grizzly Feeder:

- 1829 mm (6') long grizzly bars
- 13 mm (½") thick A-R steel pan liner
- Hydraulic drive motor, lines, and fittings
- Variable speed control

### End Discharge Conveyor:

- 1219 mm (48") wide x 6401 mm (21') long
- 3-ply belting
- Belt scraper
- Screw take-up
- CEMA C, troughing and return idlers
- Hydraulic drive (15 HP), lines and fittings

## Plant Power Options:

### Electric Power Option:

- 150 HP crusher motor, v-belt drive and guard
- 50 HP electric motor driven, hydraulic power package: (crusher relief, hydraulics, feeder, conveyor, optional by-pass screen, optional hammer)
  - 227 litre (60 gallon) reservoir
  - 1 HP air to oil cooler
- Starter panel
  - NEMA 4 enclosure with main circuit breaker and individual motor circuit breakers
  - Soft start for 150 HP crusher motor
  - Starters for all on-plant motors
  - Two extra 20 HP starters for optional conveyors
  - Start/Stop push buttons and amp meter
- E-stop buttons mounted on each side of the chassis

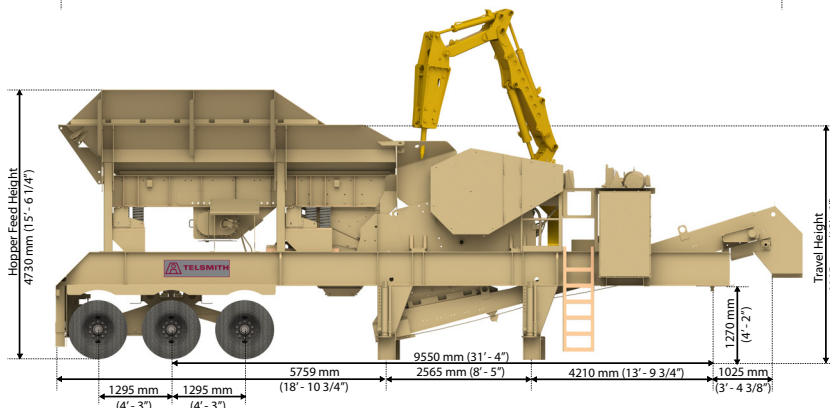
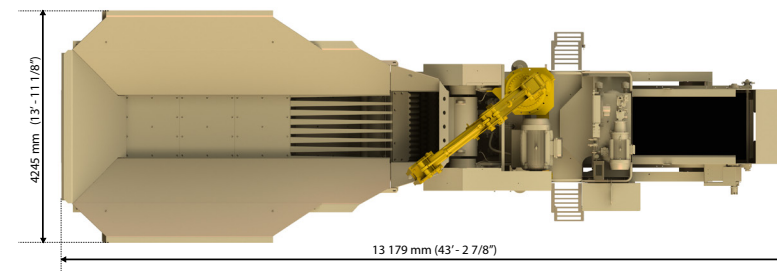
### Diesel Power Option:

- CAT, C7, 275 HP diesel engine (Tier III & Tier IV options)
  - Engine mounted hydraulic pumps (crusher hydraulics, feeder, conveyor, optional by-pass screen, optional hammer)
  - Hydraulic clutch (crusher drive)
- 379 litre (100 gallon) fuel tank
- V-belt crusher drive with guard
- Engine and plant controls, mounted in NEMA 4 enclosure, with plant start/stop, VGF speed controls and engine gauges mounted on the panel face

## Additional Plant Options:

- 1219 mm x 1829 mm (4' x 6'), single deck, vibrating screen installed under the feeder to separate fines from the grizzly by-pass material
- Six point hydraulic leveling system with gas engine
- Folding receiving hopper extensions yield a 4242 mm (13'-11") hopper width
- Wireless remote control
- BT1 1,000 ft./lb hammer with MBS10 boom assembly mounted to plant

## Plant Dimensions:



Plant Weight		
At Kingpin	14 975 kg	32,950 lbs
At Axles	22 820 kg	50,200 lbs

*Note: Weights are approximate and based on a standard plant equipped with electric power option and hydraulic leveling. Incorporating additional options will increase the weight.*