



**TEREX®**

**Terex® Minerals Processing Systems**

# WHEELED PLANTS



**WORKS FOR YOU.™**

# DESIGNED TO DELIVER

Terex® Minerals Processing Systems Wheeled Plants combine the rugged reliability of our jaw, cone and VSI crushers with our high-stroke vibrating grizzly feeders and efficient and durable inclined screens, resulting in high production portable crushing and screening machines.

The Terex® WJ1175, WC1000, WC1300, WV2000 Wheeled Plants are suitable for working in many different crushing spreads and will handle almost any material including extremely hard abrasives. Whether operating in hard rock, sand and gravel, iron ore or recycled concrete, the Terex Wheeled Plants are designed to help you be more profitable.

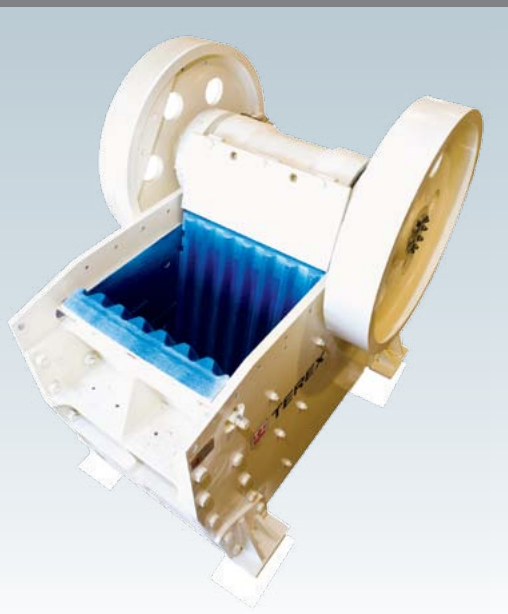
Terex Wheeled Plants are all electric plants that tie easily into new or existing primary, secondary, tertiary and quaternary crushing applications.

## **Terex Wheel Plants feature:**

- ▶ Mobile design with one of the industry's best set up times\*.
- ▶ Robust 2 bearing 4 deck screen on board the cone and VSI plant chassis gives flexibility to take four screened products.
- ▶ Removable wheel bogies - offer the flexibility of proper storage of the wheeled bogie for future use.
- ▶ Over spill chutes designed to guide the cone chamber feed box spillage onto the conveyor, thereby reducing waste and manpower required for cleaning.
- ▶ Hydraulic Closed Side Setting adjustment on jaw crusher.
- ▶ System controls for cone crusher as a standard.
- ▶ Fixed shaft cone crusher for better shape end products.
- ▶ Large product stockpile capacities.

\* The capacity are based on dry, free flowing material with a Crushing Work Index of 16 and a bulk density of 1600 kg/cu m (100 lbs/cu ft).

The data requires careful interpretation for particular materials and applications as machine capacity can be greatly affected by material properties and method of feeding.





# WHEELED PLANTS

## EQUIPMENT RANGE



### **WJ1175**

with Terex® JW42 Jaw Crusher  
along with stepped, heavy-duty, 14.3' x 42.5"  
Terex Vibrating Grizzly Feeder



### **WC1000 / WC1000LS**

with Terex® Cone Crusher TC1000  
along with efficient Terex Inclined Screen  
5' x 14' / 5'X18' IV Deck



### **WC1300**

with Terex® TC1300 Cone Crusher  
along with efficient 6' x 20', 4-deck,  
Terex Inclined Screen



### **WV2000**

with Terex® 2000SD ROR VSI Crusher  
along with efficient 5' x 14', 4-deck,  
Terex Inclined Screen

# WHEELED JAW PLANT WJ1175

## Standard Equipment

- ▶ JW42 Jaw Crusher with V-belt drive, motor mount, belt guard crusher motor 110 kW.
- ▶ Hydraulic CSS adjustment.
- ▶ Two deck Vibrating Grizzly Feeder - (14.3' x 42.5") with stepped grizzly, wear resistant side and floor liner plates, 15kW variable speed drive, belt driven squirrel cage electric motor, heavy duty counter rotating shafts and oiled bearings.
- ▶ 2 way bypass chute diverts material passing grizzly to under crusher delivery conveyor.
  - Chute with handle operated flap door directs the material from grizzly feeder mesh deck to optional dirt conveyor or to under crusher delivery conveyor.
- ▶ 1000 mm wide under crusher delivery conveyor with -
  - Feed boot with wear resistant liners and guards.
  - Impact bars directly under conveyor feed point.
- ▶ Foldable wing hopper of capacity - 10 cub mt.
- ▶ Observation platform with access ladder, walkways and supports.
- ▶ Jacks with handles - 2 nos.
- ▶ Emergency stops - 4 nos.
- ▶ Mounted on chassis with removable type triple axle bogie with tail lights.
- ▶ All electric plant.

## Electrical Controls

- ▶ Jaw unit electricals including cable kit, control panel and operator panel (standard plant set for 415V/50Hz) weather protected robust control panel houses user-friendly controls

## Options

### ▶ HOPPER FOR TRUCK LOADING

25 cub mt extension (total 35 cub mt capacity along with 10 cub mt wing hopper)





# JW42 JAW CRUSHER

## Benefits and Features

- ▶ **Long life, low maintenance and reduced operating cost**  
Robust frame design and large diameter, forged main shaft with no threads or sharp radii that can cause stress concentrations.
- ▶ **Simple installation**  
Adaptable mounting arrangement suitable for static or mobile installation.
- ▶ **Easy adjustment**  
Hydraulic closed side setting adjustment through a hydraulic wedge arrangement fully enclosed within the crusher frame.
- ▶ **Simple maintenance**  
Jaw-faces are retained by a mechanical wedge locking system removing the need to access bolts behind the front and rear of the crusher. Replaceable backing plates protect the jaw-holder and mainframe at jaw-face location points.
- ▶ **Even distribution of crushing forces across the jaw locations**  
Machined jaw-face locations.
- ▶ **Bearings kept free from dust and water**  
Grease-purged labyrinth dust seals.
- ▶ **Reliable operation with minimal downtime**  
Precision machined cast jaw-holder, "rolling-end" non-lubricated toggle and self aligning spherical roller bearings combine with a high strength shaft and mainframe to provide extreme reliability which has become well known in the industry.
- ▶ **Smooth running operation**  
Balanced fly wheel and drive pulley.

### Terex® JW42 Jaw Crusher

Motor Size	110 kW (150 hp)
Feed Opening	1070 mm X 760 mm (42" x 30")
Crusher Weight	17300 kg (38130 lbs)
Setting Range	75 mm to 200 mm (3"- 8")
Capacity	135 MtpH - 430 MtpH (155 Stph - 480 Stph)
Adjustment	Hydraulic Wedge
Frame	Bolted/Cast
Lubrication	Grease



*Note: The capacity are based on dry, free flowing material with a Crushing Work Index of 16 and a bulk density of 1600 kg/cu m (100 lbs/cu ft). The data requires careful interpretation for particular materials and applications as machine capacity can be greatly affected by material properties and method of feeding.*

# WHEELED CONE PLANT WC1000/ WC1000LS

## Standard Supply

- ▶ Cone crusher Model TC1000 with squirrel cage electric motor of 170 kW.
- ▶ Chassis walkway assembly with ladder.
- ▶ Walkway platforms around the screen (LH, RH and rear side).
- ▶ Cone crusher lubrication tank, hydraulic tank and cooler with accessories.
- ▶ Automation - system 2 PLC control for crusher management.
- ▶ Terex 4 deck vibrating screen 5' x 14' with 15 kW motor and 5' X 18' with 22 kW motor.
- ▶ Jacks with handles - 2 nos.
- ▶ Emergency stops - 4 nos.
- ▶ Mounted on chassis with removable type double axle bogie with tail lights.
- ▶ All electric plant.

## Electrical Controls

- ▶ Cone unit electricals including cable kit, control panel and operator panel (standard plant set for 415V/50Hz) weather protected, robust control panel houses user-friendly controls

## Options

- ▶ **SURGE HOPPER**  
16 cub mt chassis mounted surge hopper with pan feeder (2500 mm x 800 mm with 2 x 1.5 kW motors)
- ▶ **CRUSHER CHAMBER CONFIGURATIONS**  
Extra Coarse - max feed size 195 mm  
Medium Coarse - max feed size 160 mm  
Autosand - max feed size 63 mm

Max Feed Size	195 mm
<b>Capacity Range</b>	
Extra Coarse	125 MtpH - 190 MtpH
Medium Coarse	140 MtpH - 220 MtpH
Autosand	85 MtpH - 150 MtpH
Total Connected Load	193.5 kW
<b>Weights</b>	
Chassis (complete with crusher and screen)	35 tons
Crusher TC1000	10 tons



# TC1000 CONE CRUSHER

## Excellent Performance

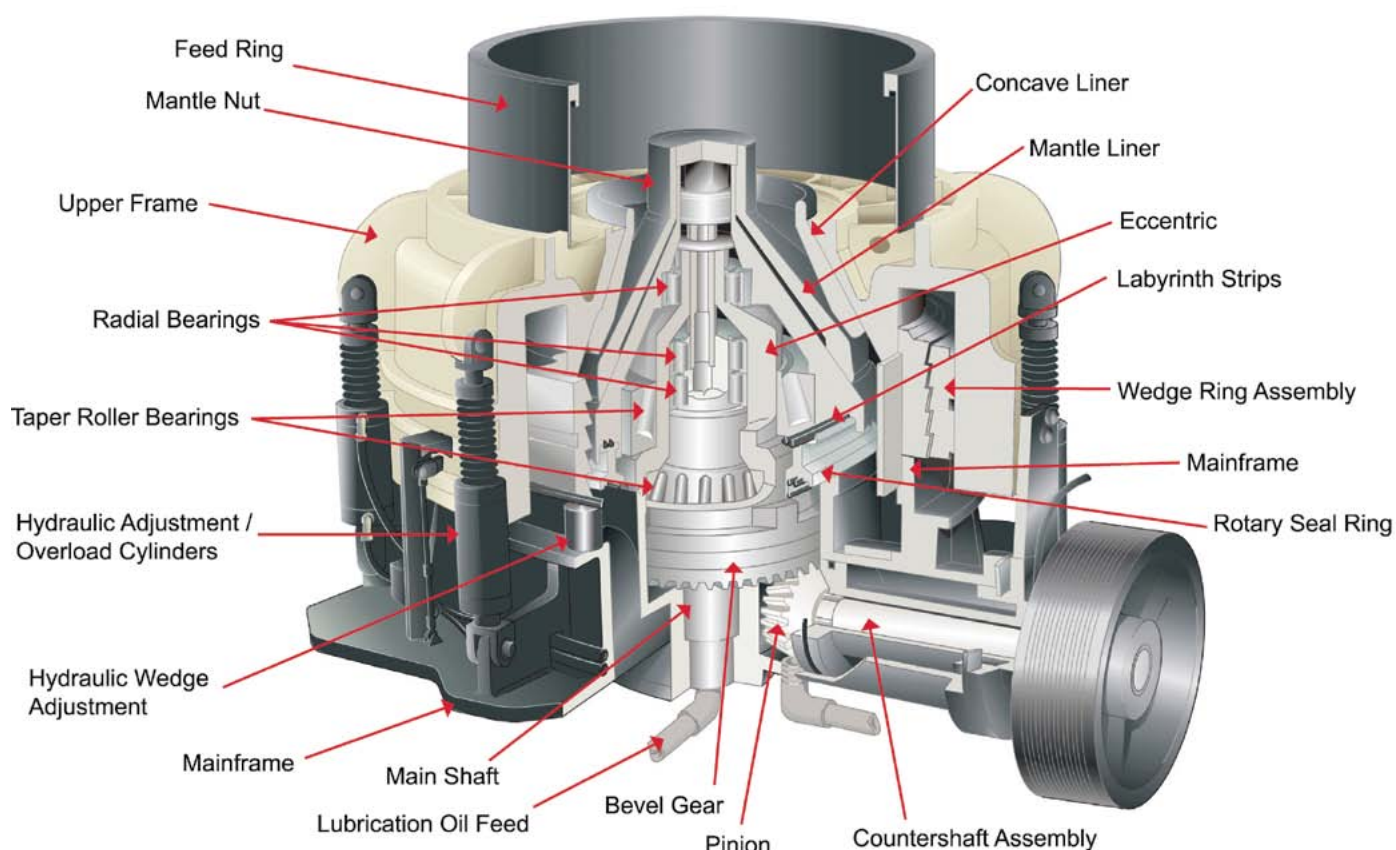
- ▶ Advance crusher geometry
- ▶ Excellent product shape through attrition crushing
- ▶ High output capacity
- ▶ Production of high quality material

## Low Cost Operation

- ▶ High capacity with energy efficiency
- ▶ Low wear cost
- ▶ Exceptional reliability

## Ease of Maintenance

- ▶ Accessible external hydraulics
- ▶ Simple assembly and dismantling
- ▶ Quick manganese change



Terex® TC Cone Crusher		
	TC1000 Autosand	TC1000
Crusher Head Diameter	1000 mm (39.4")	1000 mm (39.4")
Motor Size	225 kW (300 hp)	225 kW (300 hp)
Max Feed Size	63 mm (2.5")	195 mm (7.7")
Crusher Weight	10000 kg (22,040 lbs)	10000 kg (22,040 lbs)
Capacity	85 MtpH - 150 MtpH (95 Stph - 165 Stph)	125 MtpH - 220 MtpH (135 Stph - 240 Stph)
Adjustment	Hydraulic Cylinder	Hydraulic Cylinder
PLC Control (System - 2)	Standard	Standard

Note: The capacity are based on dry, free flowing material with a Crushing Work Index of 16 and a bulk density of 1600 kg/cu m (100 lbs/cu ft).  
The data requires careful interpretation for particular materials and applications as machine capacity can be greatly affected by material properties and method of feeding.



# WHEELED CONE PLANT WC1300

## Standard Equipment

- ▶ Cone crusher Model TC1300 with squirrel cage electric motor of 225 kW.
- ▶ Chassis walkway assembly with ladder.
- ▶ Walkway platforms around the screen (LH, RH and rear side).
- ▶ Cone crusher lubrication tank, hydraulic tank and cooler with accessories.
- ▶ Automation - system 2 PLC control for crusher management.
- ▶ Terex 4 deck vibrating screen 6' x 20', belt driven by squirrel cage electric motor of 22 kW.
- ▶ Jacks with handles - 4 nos.
- ▶ Emergency stops - 4 nos.
- ▶ Mounted on chassis with removable type double axle bogie with tail lights.
- ▶ All electric plant.

## Electrical Controls

- ▶ Cone unit electricals including cable kit, control panel and operator panel (standard plant set for 415V/50Hz) weather protected, robust control panel houses user-friendly controls.

## Options

### ▶ CRUSHER CHAMBER CONFIGURATIONS

Medium coarse - max feed size 220 mm.

Autosand - max feed size 63 mm.

Setting Range	
Medium Coarse	22 mm - 38 mm
Autosand	13 mm - 22 mm
Capacity Range	
Medium Coarse	220 MtpH - 330 MtpH
Autosand	165 MtpH - 240 MtpH
Total Connected Load	253 kW
Weights	
Chassis (complete with crusher and screen)	60 tons
Crusher TC1300	22 tons



# TC1300 CONE CRUSHER

## Excellent Performance

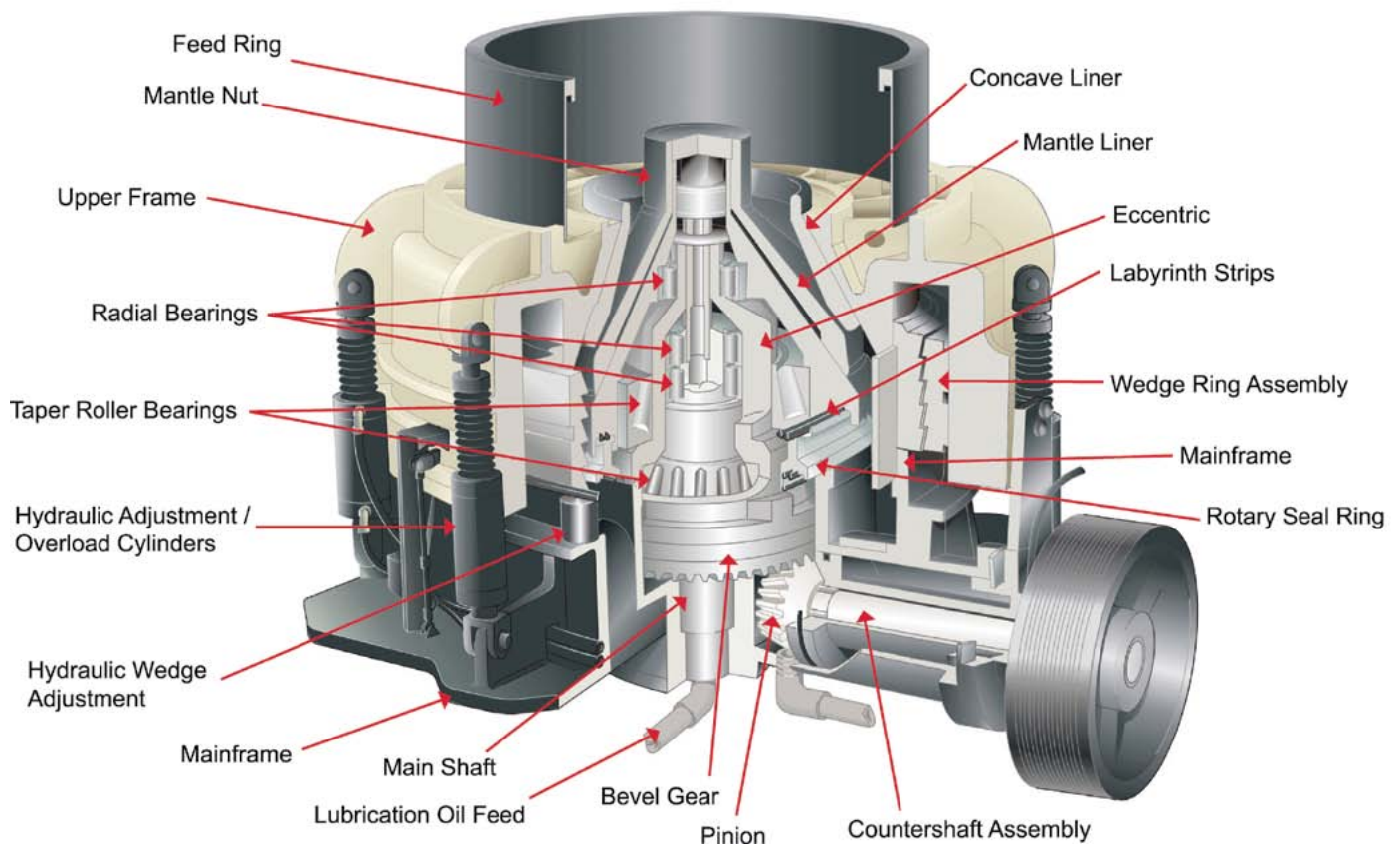
- ▶ Advance crusher geometry
- ▶ Excellent product shape through attrition crushing
- ▶ High output capacity
- ▶ Production of high quality material

## Low Cost Operation

- ▶ High capacity with energy efficiency
- ▶ Low wear cost
- ▶ Exceptional reliability

## Ease of Maintenance

- ▶ Accessible external hydraulics
- ▶ Simple assembly and dismantling
- ▶ Quick manganese change



## Terex® TC Cone Crusher

	TC1300 Autosand	TC1300
Crusher Head Diameter	1300 mm (51.2")	1300 mm (51.2")
Motor Size	225 kW (300 hp)	225 kW (300 hp)
Max Feed Size	63 mm (2.5")	220 mm (8.7")
Crusher Weight	22000 kg (48,500 lbs)	22000kg (48,500 lbs)
Capacity	165 Mtph - 240 Mtph (180 Stph - 260 Stph)	220 Mtph - 320 Mtph (240 Stph - 350 Stph)
Adjustment	Hydraulic Cylinder	Hydraulic Cylinder
PLC Control (System - 2)	Standard	Standard

Note: The capacity are based on dry, free flowing material with a Crushing Work Index of 16 and a bulk density of 1600 kg/cu m (100 lbs/cu ft).

The data requires careful interpretation for particular materials and applications as machine capacity can be greatly affected by material properties and method of feeding.

# WHEELED VSI PLANT WV2000

## Standard Equipment

- ▶ VSI Crusher Model Terex® Canica 2000 ROR with squirrel cage electric motor of 225 kW.
- ▶ Patented “Hydralid” hydraulic lid lifter, externally adjustable feed tube system, heavy-duty motor mount with motor cover and adjustable take-ups.
- ▶ Open lid safety lock.
- ▶ Shut-off switches detect: Low oil pressure, excessive vibration (vibration switch), open lid.
- ▶ Chassis walk way assembly with ladder - 1 no.
- ▶ Walkway platforms around the screen (LH, RH and rear side) - 1 no. each.
- ▶ Terex 4 deck vibrating screen 5' x 14', belt driven by squirrel cage electric motor of 15 kW.
- ▶ Jacks with handles - 2 nos.
- ▶ Emergency stops - 4 nos.
- ▶ Mounted on chassis with removable type double axle bogie with tail lights.
- ▶ All electric plant.

Max Feed Size	40 mm
Total Connected Load	244 kW
<b>Weights</b>	
Chassis (complete with crusher and screen)	33 tons
Crusher	10.9 tons

## Electrical Controls

- ▶ VSI unit electricals including cable kit, control panel and operator panel (standard plant set for 415V/50Hz) weather protected, robust control panel houses user-friendly controls.

## Crusher Configuration

- ▶ ROR (rock on rock).





# TEREX® CANICA 2000 ROR SD VSI

## VSI Benefits

- ▶ Cubicle product
- ▶ Beneficiation of material (elimination of soft stone)
- ▶ Gradation consistency
- ▶ High product yield
- ▶ High fracture percentage
- ▶ Simple maintenance
- ▶ High throughput capacity
- ▶ Low capital investment

## The Terex® VSI Advantage

- ▶ Many standard features
- ▶ High bearing capacity
- ▶ Many internal crusher configuration options
- ▶ Outstanding dealer organization
- ▶ Fully equipped test crushing facility
- ▶ Fewer parts on open table and enclosed rotor
- ▶ Tungsten carbide and ceramic components in table and rotor

### Terex 2000SD ROR VSI

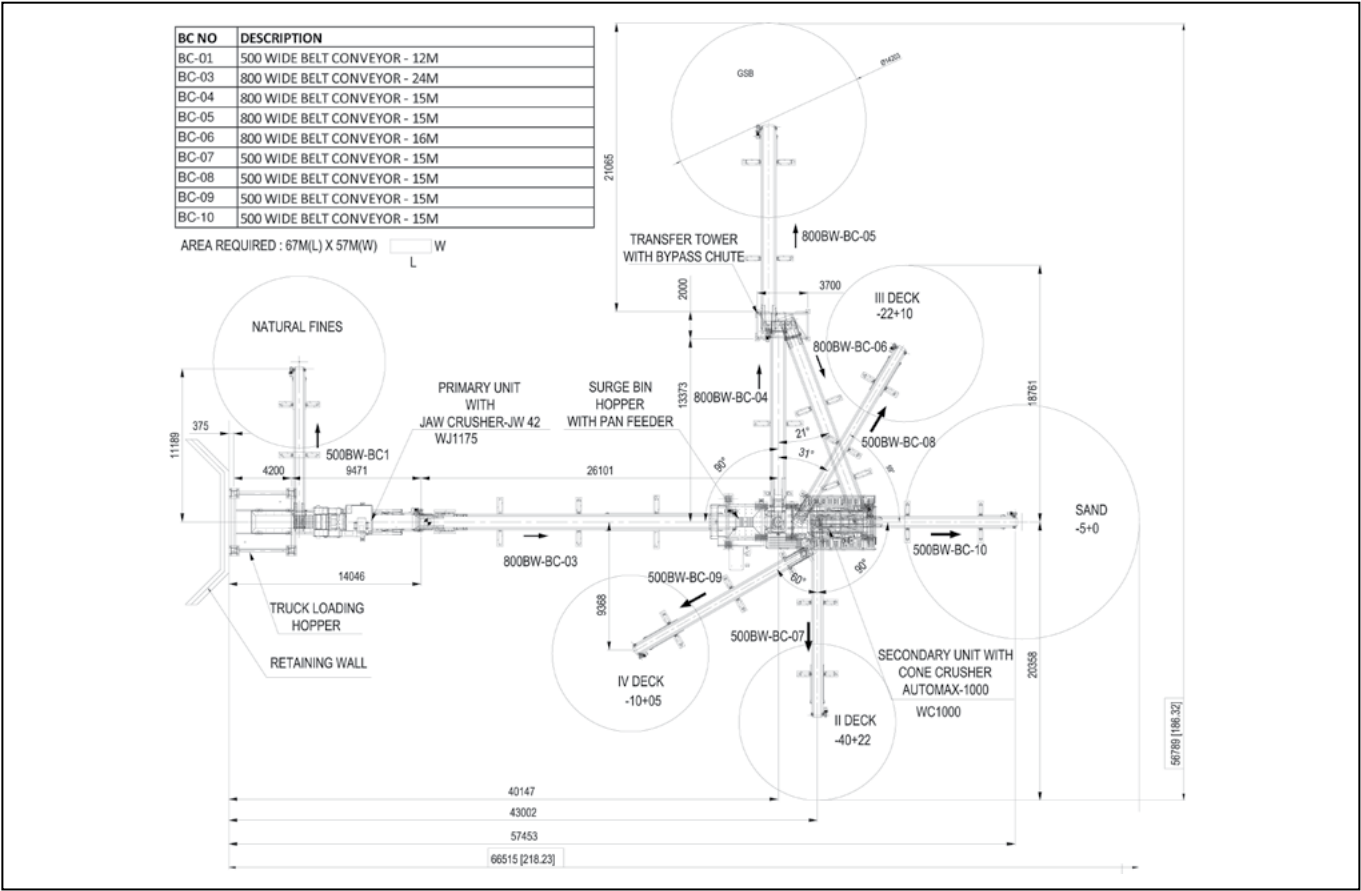
Motor Size	225 kW (300 hp)
Speed	1450 rpm
Max Feed Size	40 mm (1.6")
Crusher Weight	10986 kg (24220 lbs)
Capacity (Feed size and tons per hour dependent on type of feed and kW available)	Upto 225 Mtph



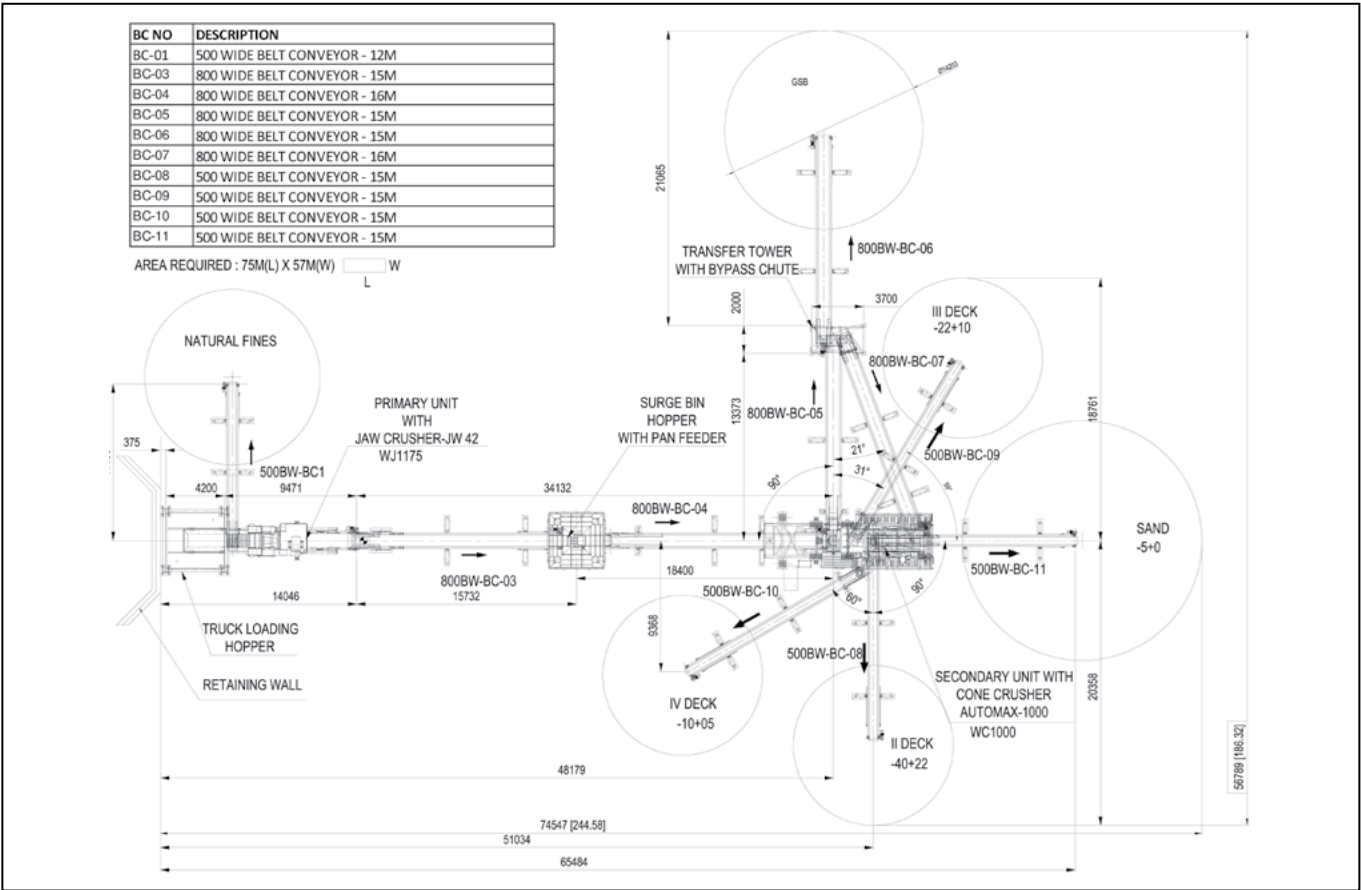
*Note: The capacity are based on dry, free flowing material with a Crushing Work Index of 16 and a bulk density of 1600 kg/cu m (100 lbs/cu ft).  
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# TYPICAL WHEELED PLANT LAYOUTS

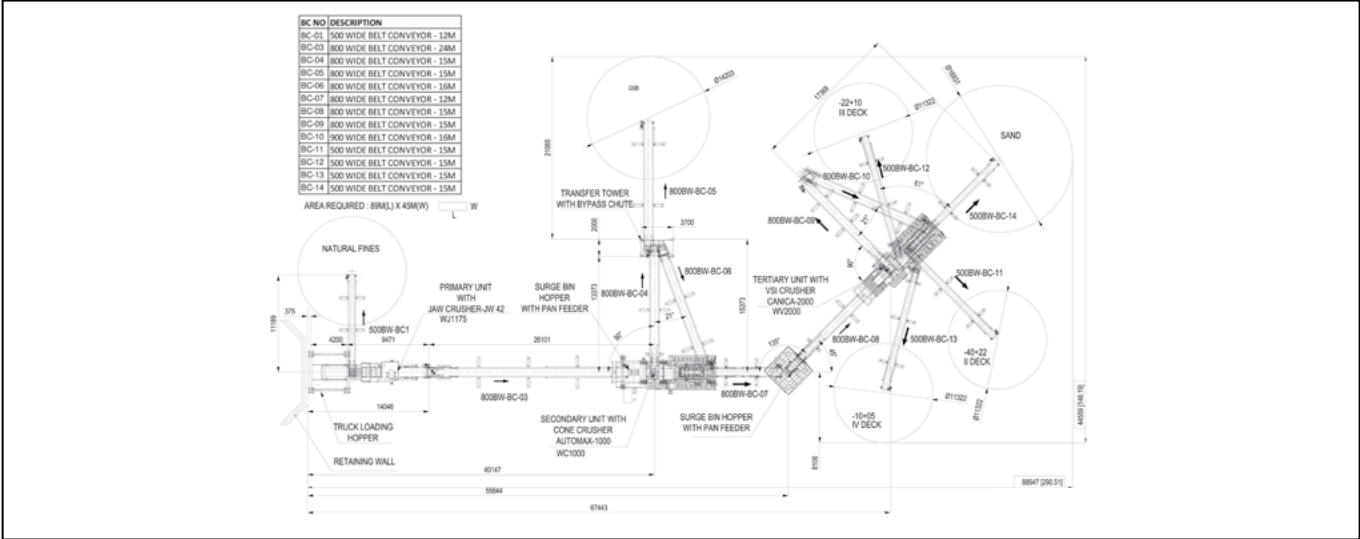
## 200 tph 2 Stage Wheeled Plant - option 1



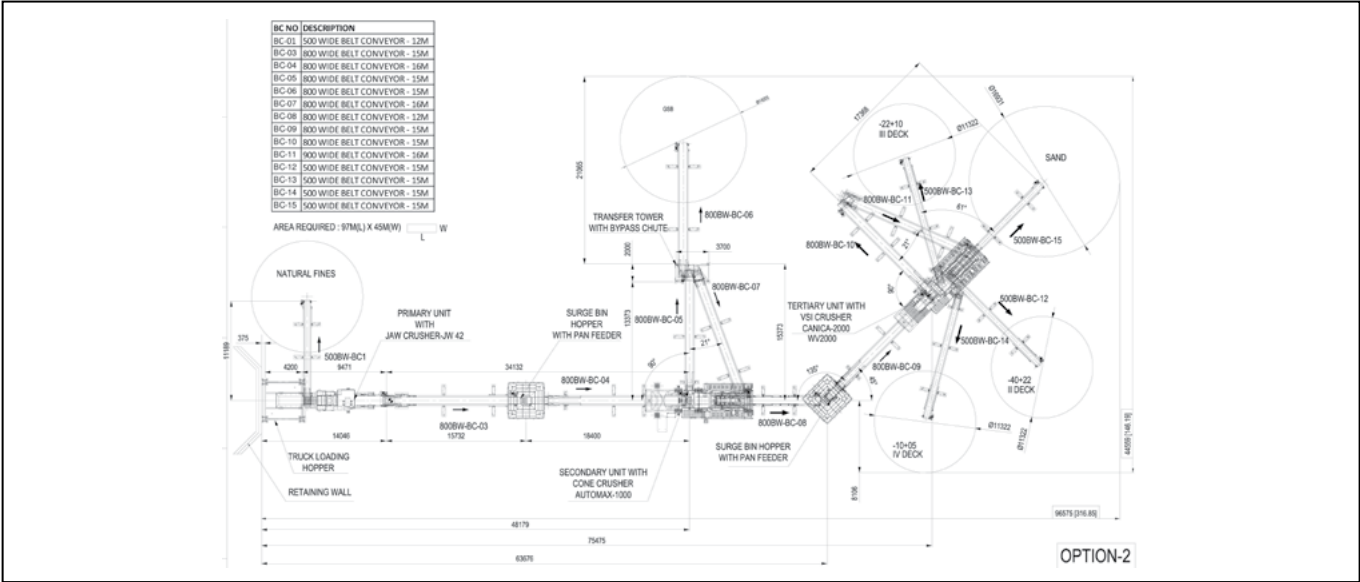
## 200 tph 2 Stage Wheeled Plant - option 2



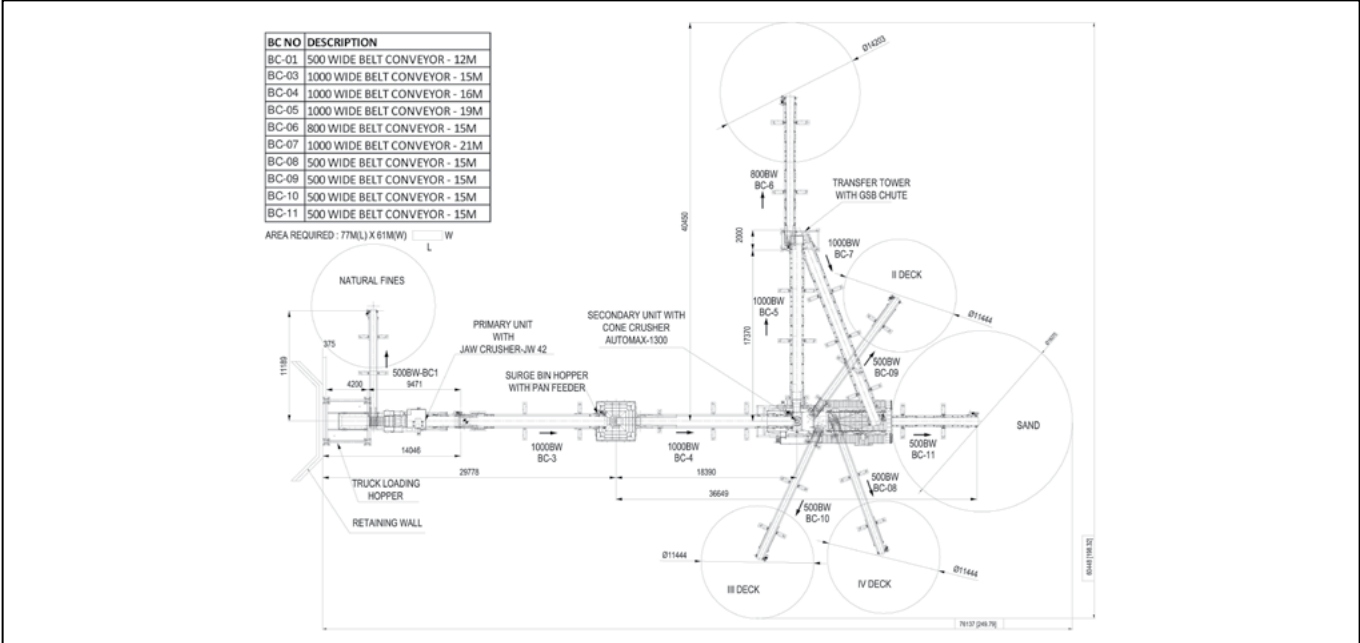
## 200 tph 3 Stage Wheeled Plant - option 1



## 200 tph 3 Stage Wheeled Plant - option 2



## 300 tph 2 Stage Wheeled Plant

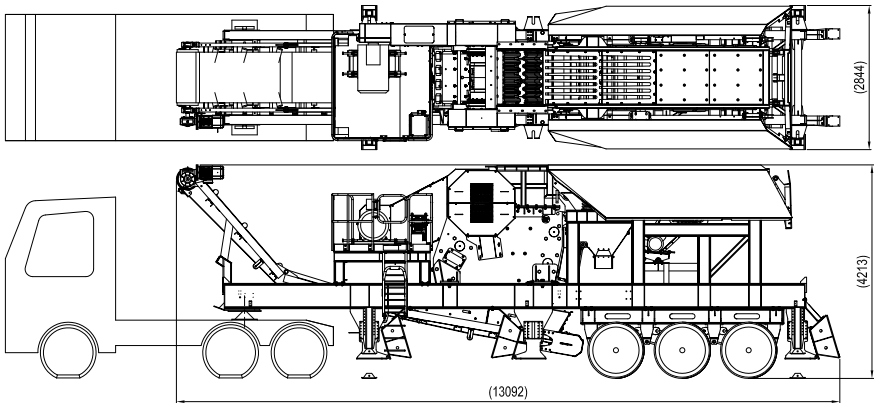


Note: The layouts shown are typical layouts. For any specific requirement please contact factory.



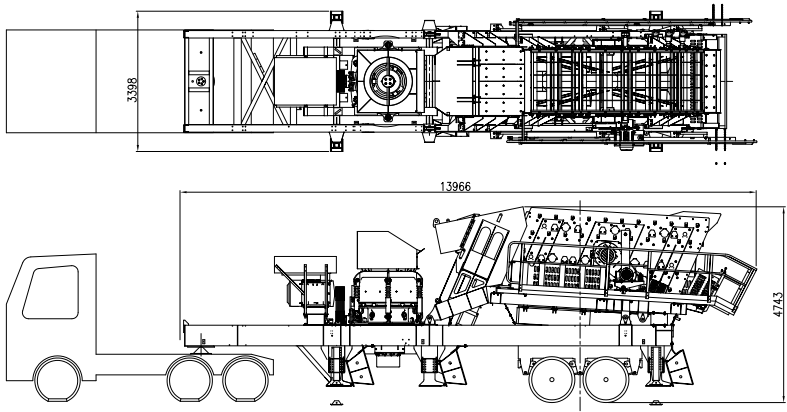
# TRANSPORT MODE

## WHEELED JAW PLANT WJ1175



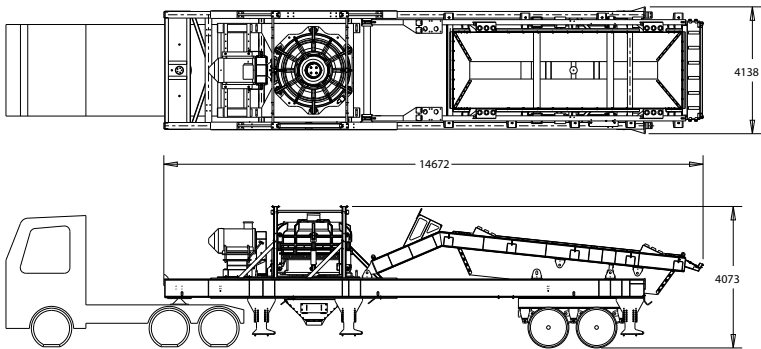
Overall Width - 2844 mm  
Overall Height - 4213 mm  
Overall Length - 13092 mm

## WHEELED CONE PLANT WC1000 / WC1000LS



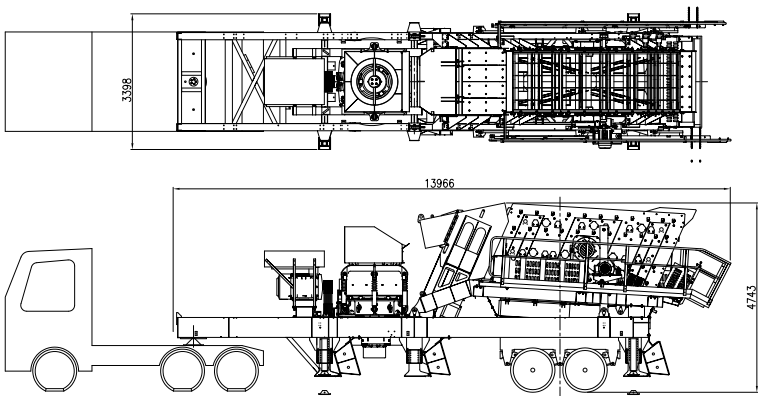
	WC1000	WC1000LS
Overall Width	3398mm	3399mm
Overall Height	4743mm	4734mm
Overall Length	13966mm	14680mm

## WHEELED CONE PLANT WC1300



Overall Width - 4138 mm  
Overall Height - 4073 mm  
Overall Length - 14672 mm

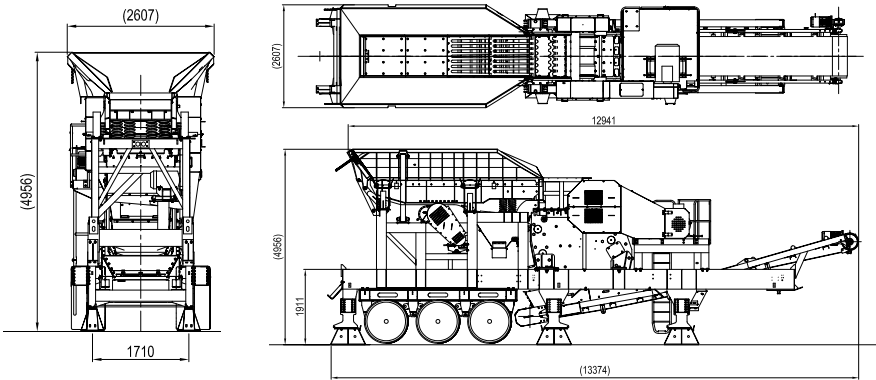
## WHEELED VSI PLANT WV2000



Overall Width - 3398 mm  
Overall Height - 4743 mm  
Overall Length - 13966 mm

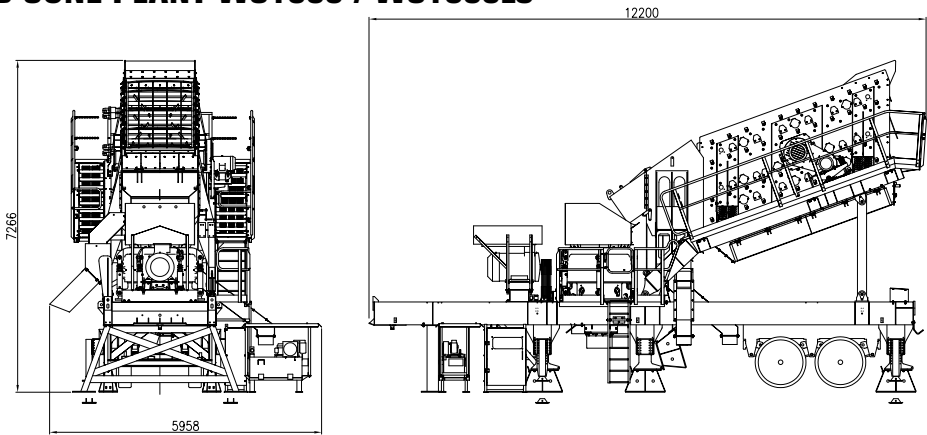
# OPERATING MODE

## WHEELED JAW PLANT WJ1175



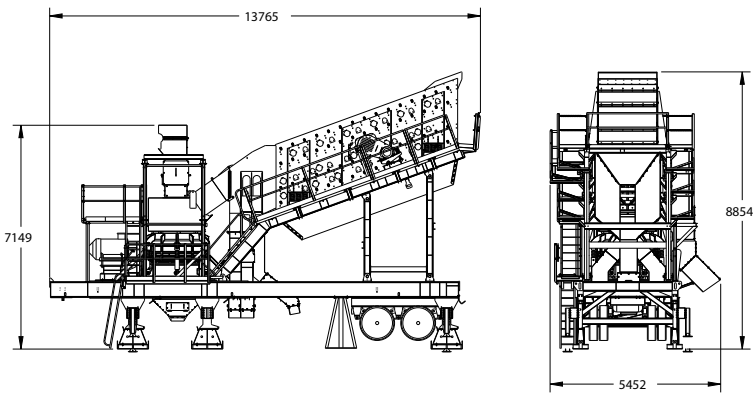
Overall Width - 2607 mm  
Overall Height - 4956 mm  
Overall Length - 13374 mm

## WHEELED CONE PLANT WC1000 / WC1000LS



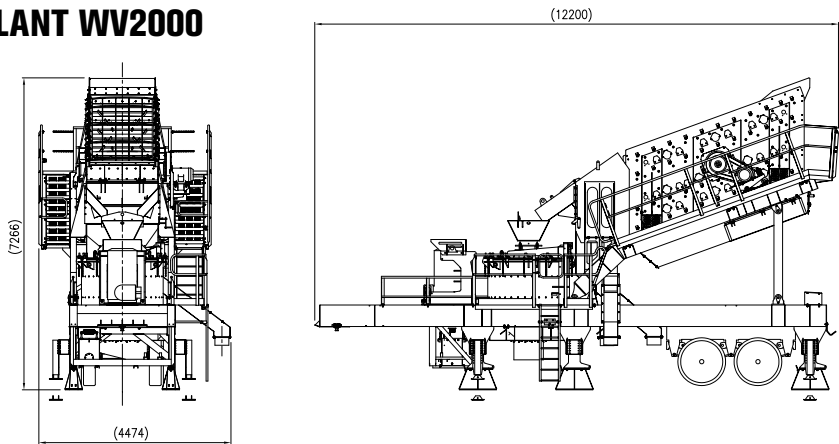
	WC1000	WC1000LS
Overall Width	4949mm	4992mm
Overall Height	7266mm	7914mm
Overall Length	12200mm	13394mm

## WHEELED CONE PLANT WC1300



Overall Width - 5451 mm  
Overall Height - 8854 mm  
Overall Length - 13765 mm

## WHEELED VSI PLANT WV2000



Overall Width - 4474 mm  
Overall Height - 7266 mm  
Overall Length - 12200 mm



# Terex® Minerals Processing Systems

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**Give us a call to learn more about our extensive equipment range.**

**Local Contact:**

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