

TROMMEL  
SCREEN

# PHOENIX 2100



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The Terex Environmental Equipment Phoenix 2100 trommel screen is designed to offer unrivaled production throughput and application flexibility. The robust design with optional features such as a heavy duty tipping grid or double deck vibrating grind make the Phoenix 2100 the most versatile trommel on the market today. The machine performs equally well in heavy C&D applications as it does in high volume compost production. The 180° swivel fines conveyor, with a 5.7m (18' 6") discharge, means the machine can generate massive stockpiles. This swivel feature can be controlled via a radio remote while

the machine is in operation, minimizing downtime.

A powerful four wheel drive system with high performance friction grip wheels is used to turn the trommel drum giving operators the ability to run bi-directionally. Woven mesh or Heavy duty punch plate panels can be fitted to the trommel drum meaning all application requirements are met.

Caterpillar Tier 3 or Tier 4 engines combined with powerful hydraulics and auto feeder kick out mean the machine is always working

at its optimum. A fifth wheel connection, tandem axle bogie and a rapid setup time make the machine highly mobile.

The Phoenix 2100 is highly efficient in the separation and processing of wood chippings, top soil, compost "green waste", demolition waste, aggregates and yard waste.

The Phoenix 2100 is the most versatile trommel on the market today.



## Technical Data

### Transport Dimensions

Width: 2.6m (8' 6")  
Height: 4.0m (13' 1")  
Length: 17.9m (58' 9")  
Weight: 27,500kgs (60,500lbs)

### Working Dimensions

Width: 15.9m (52' 2")  
Length: 27.6m (90' 6")  
Height: 5.7m (18' 7")

### Hopper and Belt Feeder

5.6m³ (7.4yd³) capacity  
4.3m (14' 1") feeder length  
3.16m (10' 4") feed in height  
1050mm (42") 3 ply plain belt, 4 + 2 covers  
Variable speed control c/w load sensing and automatic feeder shutdown  
Hopper extensions

### Drum

6.45m (21' 2") Length  
1.94m (6' 4") Diameter  
Friction four wheel drum drive system  
Variable speed control  
Mesh or Punch plate panels  
Inclined drum  
Variable operating angle 4° - 7°  
Tumbling action c/w nylon cleaning brushes  
Service access doors for maintenance

### Powerpack & Control

Caterpillar C7.1 Tier 3, 151kW (202 hp), 2200rpm max  
Caterpillar C4.4 Tier 4i 129kW (173hp), 2200rpm max (option)  
Caterpillar C4.4 Tier 4f 129kW (173hp), 2200rpm max (option)  
Fuel tank capacity 610L (134 Gal) (161 US Gal)  
Hydraulic tank 714L (157 Gal) (189 US Gal)  
Excellent service access  
Powerful hydraulics

### Collection Conveyor

1200mm (47") 3 ply plain belt, 4 + 2 covers  
Fully skirted & sealed  
Variable speed control

### Fines Discharge Conveyor

1050mm (42") 3 ply plain belt, 4 + 2 covers  
Remote control 180° swivel  
Variable operating angle 10° - 28°  
Discharge height 5.67m (18' 6") @ 28°  
Variable speed control  
Hydraulic folding

### Oversize Conveyor

1050mm (42") 3 ply chevron belt, 4 + 2 covers  
Full length skirting  
Variable speed control  
Hydraulic folding  
Variable operating angle 10° - 28°  
Discharge height 3.7m (12' 2") @ 28°

### Bogie

2 axles, 8 studs.  
Suspension type leaf spring  
Super single c/w 385/65 R22 tyres  
Fifth wheel connection  
Airbrakes

### Options

Remote control tipping grid 100mm (4")  
Remote control tipping grid 150mm (6")  
2 Deck vibrating grid c/w tri-axle bogie  
Tipping grid discharge chute  
Heavy duty woven mesh  
Punch plate  
Heavy duty feeder belt  
Tri-axle bogie  
Different colour paint

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