

GLADIATOR™ MT1150SR



The Powerscreen Gladiator MT1150SR is a wheeled, electric drive closed circuit cone crushing /screening plant.

This closed circuit crushing and screening plant incorporates the tried and tested TC1150 cone crushing chamber coupled with the 20' x 6' H6203 Horizontal screenbox for recirculation while being chassis mounted on wheels means ease of movement and quick set up times.

The Gladiator MT1150SR is fully electrically driven using renowned Powerscreen Hybrid technology, which makes it an ideal solution in areas where strict environmental regulations are in place.



APPLICATIONS

AGGREGATE



Sand & gravel
Blasted rock
River rock

RECYCLING



Top Soil
C&D Waste
Composed materials
Wood by-products
Overburden
Foundry Waste

MINING



Processed ores
Processed minerals

TECHNICAL HIGHLIGHTS



AGGRESSIVE CRUSHING PERFORMANCE

- Renowned Terex® TC1150 cone chamber gives high productivity and excellent product shaping
- 300 hp (225 kW), 1800 rpm crusher motor and drive are mounted with the crusher on a rubber isolated frame
- Crusher controlled by the Terex ACE6, allowing the operator to achieve maximum performance from their crusher, but also improve their crushing plant's reliability & uptime.



EXCELLENT MAINTENANCE ACCESS

- Conveniently located grease banks and ground access cone lubrication module
- Service platforms around crusher, elevated observation platform
- Side-mounted lockable box for convenient tool storage



ROAD-LEGAL & EASY TO MOVE

- Made locally in USA, with lowest possible weight for ease of movement
- Tandem axle chassis with 8 wheels and spring suspension ensuring a smooth journey



ENVIRONMENTALLY FRIENDLY

- Electrically driven with onboard generator
- No costly engine aftertreatment reducing expensive engine maintenance costs



TECHNICAL SPECIFICATION

1 SCREENBOX

3 deck triple shaft horizontal screenbox
6.1m x 1.93m (20' x 6' 4") (all decks)
Oval stroke adjustable up to maximum of 19mm

2 CRUSHER

Maximum feed size - medium coarse
7.5" (190 mm)
Power: 300hp (225 kW)
Standard Mantle & Medium Coarse Concave
Short throw chamber as standard, long throw chamber available as an option.

3 DISCHARGE CONVEYOR

Belt Width: 54" (1370mm)
Discharge Height: 4' 5" (1.35m)
Motor: 10hp (7.5kW)

4 UNDERCRUSHER CONVEYOR

Width: 36" (915mm)
Motor: 10hp (7.5kW) WEG
Conveyor is fully skirted

5 CHASSIS & TIRES

Triple trunnion axle - sprung suspension
(24) 11R x 22.5 tires
Spring applied air brakes

6 POWER UNITS

Electrically driven

POWER

Cone	300hp (224kW)
Screenbox	40hp (30kW)
Discharge Conveyor	10hp (7.5kW)
Over Screen Conveyor	20hp (15kW)
Under Screen Conveyor	10hp (7.5kW)
Cross Conveyor	5hp (3.7kW)
Optional Magnet	2hp (1.5kW)
Total Power Required	387hp (290kW)

DIMENSIONS



WEIGHT

Total Weight: 115,000 lbs (52,163kg)
Axle Load: 64,500lbs (29,257kg)
King Pin Load: 55,000 lbs (24,938 kg)

Short throw chamber as standard, long throw chamber available as an option.

*Please note: It is the dealer's responsibility to ensure the plant is road legal in their region and the guards comply to the customers requirements.