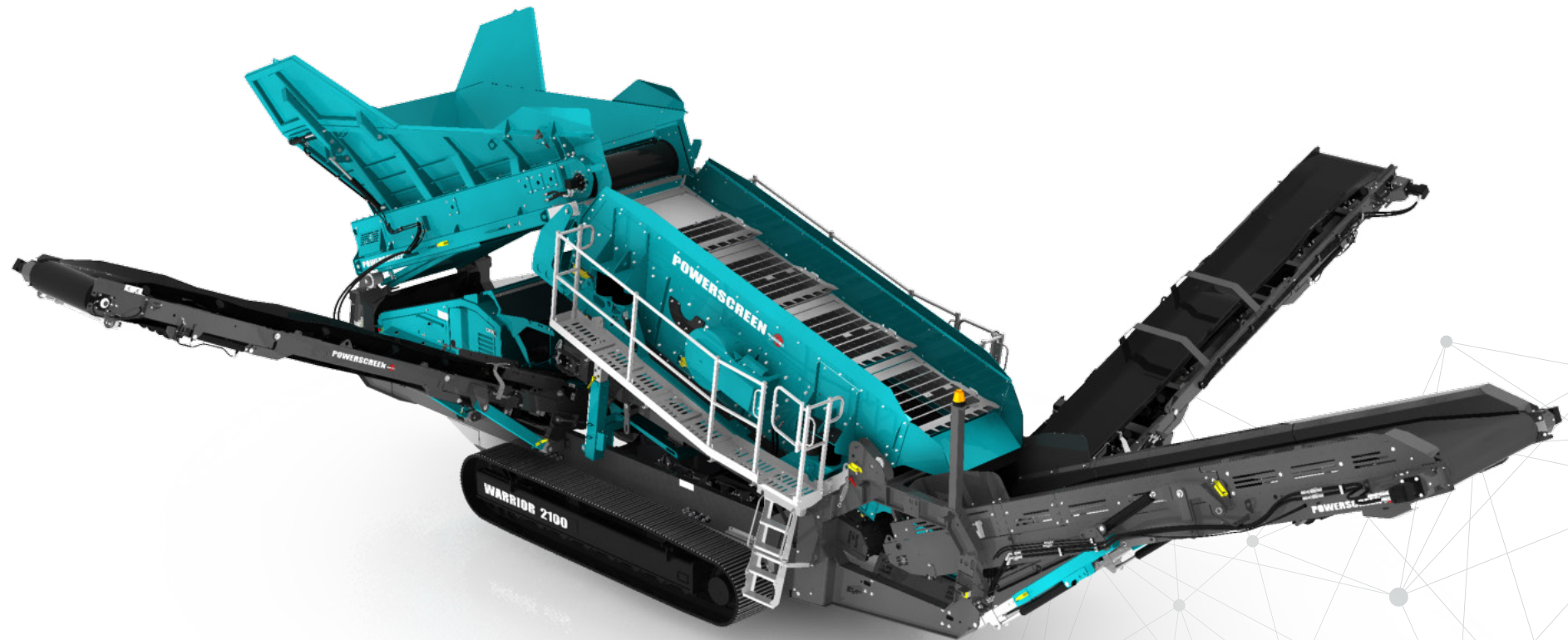


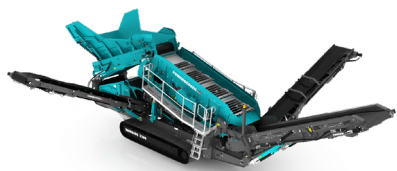
POWERSCREEN® WARRIOR 2100 - SINGLE SHAFT

2 DECK HEAVY DUTY INCLINE SCREEN



TECHNICAL SPECIFICATION - REV 1. 01/01/2019





WARRIOR 2100 SINGLE SHAFT



OVERVIEW

SPECIFICATION

Total weight	34,860kg (76,853lbs)
Transport	Length 15.99m (52' 5")
	Width 3m (9' 10")
	Height 3.43m (11' 3")
Working	Length 16.26m (53' 4")
	Width 13.6m (44' 7")
	Height 4.68m (15' 4")
Screenbox	4.88m x 1.56m (16' x 5' 1")
Power Unit	Diesel / Hydraulic
Plant Colour	RAL 5021, RAL 7024 & RAL 9005

(Weight & dimensions are approximate base unit values)

FEATURES & BENEFITS

- High capacity up to 625 tph / 689 US tph (depending on media sizes & material type)
- Maximum feed size 600mm (2'). Maximum allowable feed size may vary depending on material type and screenbox media
- Suitable for scalping or stockpiling as a 3 way split or 2 way split machine
- Heavy duty inclined hopper & belt feeder featuring impact bars & impact rollers
- Fixed hopper sides & twin drive belt feeder
- Jack-up screen facility for access to screen media & underscreen conveyor
- Underscreen conveyor raise feature for conveyor & diesel tank access
- Heavy duty 2 deck incline screenbox with aggressive single shaft drive
- Galvanised screen walkways & access ladders as standard
- Maximum mobility with heavy duty, low ground pressure tracks
- Quick set up time - typically under 10 minutes
- Hydraulically folding conveyors for transport
- 2 speed heavy duty tracks with removable pendant remote control system
- High performance hydraulic system - cast iron pumps & motors complete with hydraulic cooler
- Dual power option
- Prepared to accept a Powerscreen Warrior 2100 triple shaft screenbox or Spaleck recycling screenbox

APPLICATIONS



Aggregate

Sand & gravel
Blasted rock
River rock



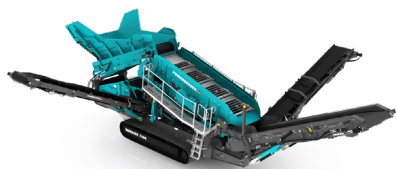
Recycling

Top soil
C&D waste
Composted materials
Wood by-products
Overburden
Foundry waste



Mining

Processed ores
Processed minerals



WARRIOR 2100 SINGLE SHAFT



HOPPER

Target area: 4.7m (15' 5") long x 2.6m (8' 6") wide

Hopper capacity: 7m³ (9.2 cu. yd.)

Fixed heavy duty hopper sides, manufactured from wear resistant steel with optimised reinforcement

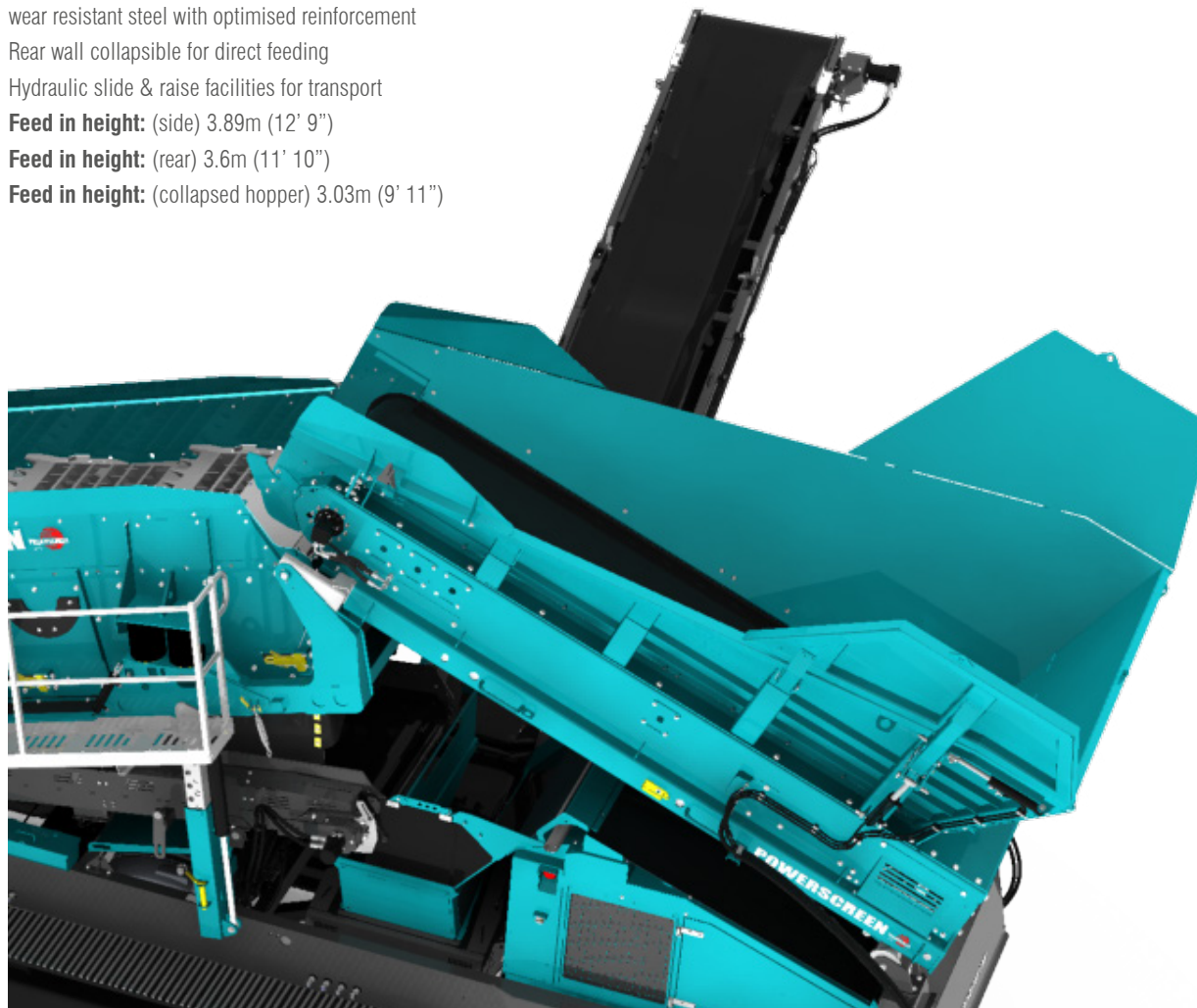
Rear wall collapsible for direct feeding

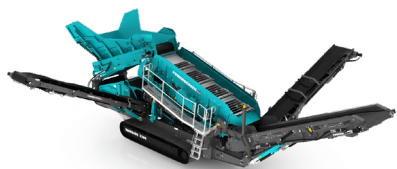
Hydraulic slide & raise facilities for transport

Feed in height: (side) 3.89m (12' 9")

Feed in height: (rear) 3.6m (11' 10")

Feed in height: (collapsed hopper) 3.03m (9' 11")





WARRIOR 2100 SINGLE SHAFT



SCREENBOX

Heavy duty 4.88m x 1.56m (16' x 5' 1'') 2 deck screenbox with adjustable screening range up to 18°

Top deck : 4.88m x 1.56m (16' x 5' 1'')

Bottom deck : 4.65m x 1.55m (15' 3" x 5' 1')

Pulley driven system with screenbox mounted motor allowing for 10mm and 12mm stroke settings

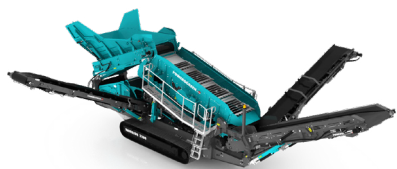
Traditional single shaft drive mounted on large 130mm bearings

Jack-up facility for access to screen media

Galvanised maintenance platforms

Screen suitable for bofor, finger, 3D punch plate, tensioned punch plate, and tensioned mesh media





WARRIOR 2100 SINGLE SHAFT



CONVEYORS

HEAVY DUTY BELT FEEDER

Heavy duty impact bars & impact rollers supporting belt

1300mm (4' 3") 4 ply heavy duty grade belt

4.1m (13' 5") drum centres

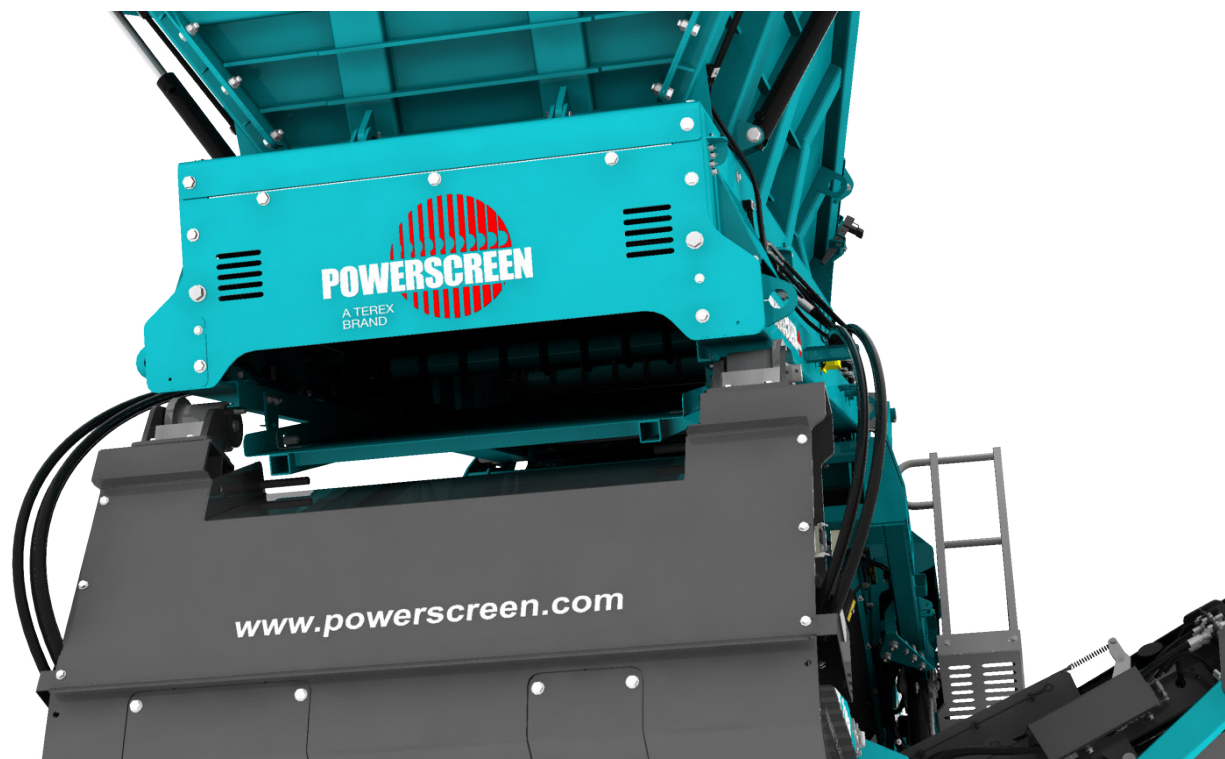
Heavy duty drive featuring twin gearbox drive

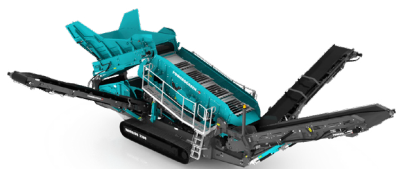
Driving speed: (17rpm, 20m/min)

Variable speed control

Easy clean system under feeder

Supergrip drive drum as standard





WARRIOR 2100 SINGLE SHAFT



CONVEYORS

UNDERSCREEN CONVEYOR

1300mm (4' 3") wide 3 ply plain belt
 4.6m (15' 1") drum centres
 Accessible via jack-up screen facility
 Underside accessible with collection conveyor raise facility

OVERSIZE - TAIL CONVEYOR

1400mm (4' 7") wide troughed 3 ply chevron belt
 6.35m (20' 10") drum centres
 Variable speed control
 Hydraulically raise & lower facility
 Impact bars along entire length
 Hydraulically folding for transport
 Angle adjustable 0° - 24°
 4.2m (13' 9") stockpile height
 110m³ (144 cu. yd.) stockpile volume





WARRIOR 2100 SINGLE SHAFT



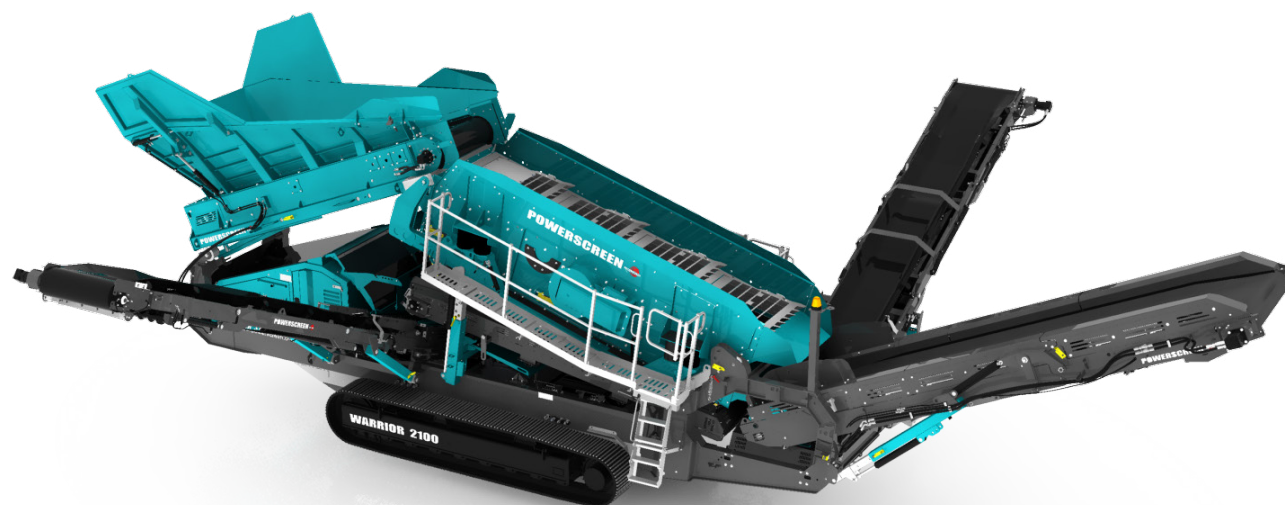
CONVEYORS

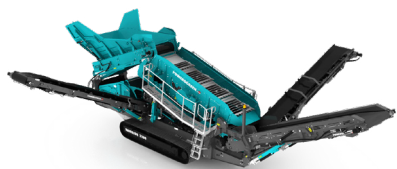
FINESIZE - SIDE CONVEYOR

900mm (2' 11") wide 3 ply plain belt
 7.8m (25' 7") drum centres
 Impact bars under feedboot area
 Deflector plate for optimum material travel
 Variable speed control
 Hydraulically folding, angle adjustable
 3.93m (12' 11") stockpile height
 90m³ (118 cu. yd.) stockpile volume
 4.36m (14' 4") stockpile height (extended)
 123m³ (161 cu. yd.) stockpile volume (extended)

MIDSIZE - SIDE CONVEYOR

900mm (2' 11") wide 3 ply plain belt
 7.8m (25' 7") drum centres
 Impact bars under feedboot area
 Variable speed control
 Hydraulically folding, angle adjustable
 3.67m (12') stockpile height
 73.5m³ (96 cu. yd.) stockpile volume
 4.09m (13' 5") stockpile height (extended)
 102m³ (133 cu. yd.) stockpile volume (extended)
 Removed during 2 way split operation





WARRIOR 2100 SINGLE SHAFT



POWER UNIT & HYDRAULICS

Engine Tier 3 Equivalent:

Caterpillar C4.4 - 4 cylinder diesel

Performance:

97kW (130hp) @ 1800rpm

Tier 4F / Stage IV:

Caterpillar C4.4 - 4 cylinder diesel

Performance:

98kW (131hp) @ 1800rpm

Constant Speed engine / Stage IIIA (EU Only):

CAT C4.4, 4 cylinder diesel

Performance:

98kW (131hp) @ 1800rpm

Tank Capacities:

Fuel: 336 L (89 US Gal) Protected diesel tank

Hydraulic oil: 450 L (119 US Gal)

Pumps:

Flywheel pump: cast iron quad 63/63/41/41cc/rev

PTO 'A' pump: cast iron tandem 29/29cc/rev

Motors:

Belt feeder Motors: Cast iron 125cc/rev

Tail conveyor: Twin drive cast iron 500cc/rev

Mid fines conveyor: Cast iron 500cc/rev

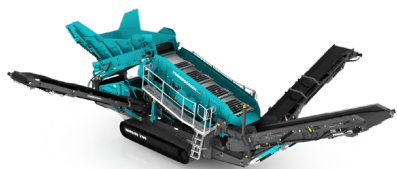
Underscreen conveyor : Cast iron 500cc/rev

Fines conveyor: Cast iron 500cc/rev

Screen: Cast iron 80cc/rev

Optional apron feeder: Cast iron 400cc/rev





WARRIOR 2100 SINGLE SHAFT



↓ TRACKS

Track width: 500mm (1' 8")

Sprocket centres: 3840mm (12' 7")

Two speed tracking system

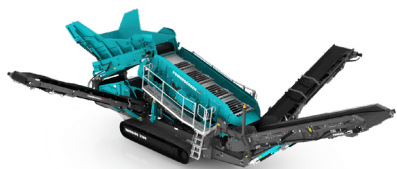
Approximate speed: 0.8 Km/hr (0.5mph) (slow)

Approximate speed: 1.4 Km/hr (0.87mph) (fast)

Gradeability: 33.9°

Total flow per track: 64Lpm

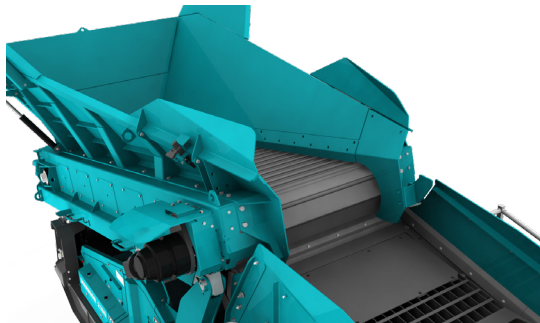




WARRIOR 2100 SINGLE SHAFT



OPTIONS



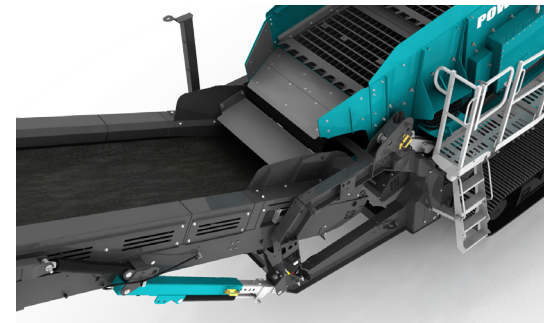
INCLINE APRON FEEDER

1000mm (3' 3") inside hopper width) wide wear resistant apron
Fitted with single gearbox drive
Variable speed control
4m (13' 1") apron centres
Increase in machine weight: +2,000kg (4,409lbs)



200MM CHASSIS RISER

Machine chassis raised 200mm (8") to provide improved ground clearance and additional conveyor stockpiling capacity.
Riser increases transport height, stockpile heights & feed in heights by 200mm (8")
Increase in machine weight: +450kg (992lbs)



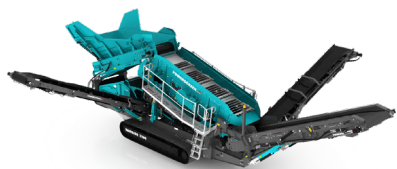
2 WAY SPLIT CONFIGURATION

Mid sized side conveyor removed
Machine built as 2 way split
Top deck & bottom deck oversize material fed on to tail conveyor.



HYDRAULIC FOLD & LOCK EXTENSIONS

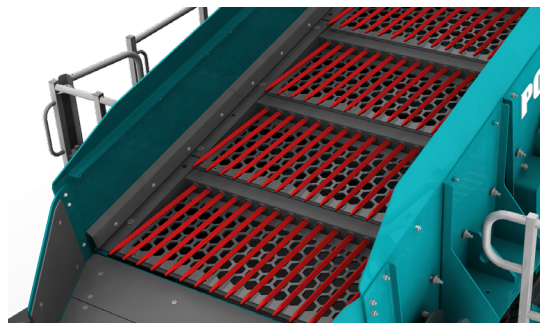
Fully hydraulic folding and locking from ground level, the hopper extensions offer a target width of 3.49m (11' 5") to suit feeding with a wheel loader from the rear of the machine.



WARRIOR 2100 SINGLE SHAFT



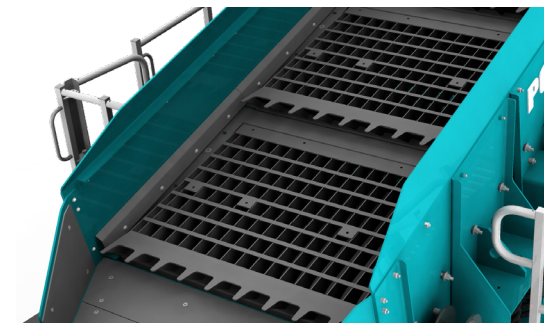
↓ OPTIONS



FINGER/PUNCH PLATE COMBINATION DECK

Designed for overburden, dirty blasts & difficult recycling applications, this deck has the dual benefit of fingers to break up material, and punch plate to deliver a controlled material size onto the bottom deck.

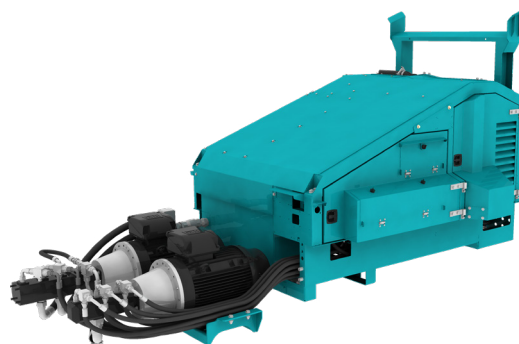
Maximum feed size = 400mm (1' 4")



3D PUNCH PLATE

For use in waste recycling, compost & wood type applications, the 3D punch plate separates effectively and minimizes harmful material build-up.

Maximum feed size = 400mm (1' 4")



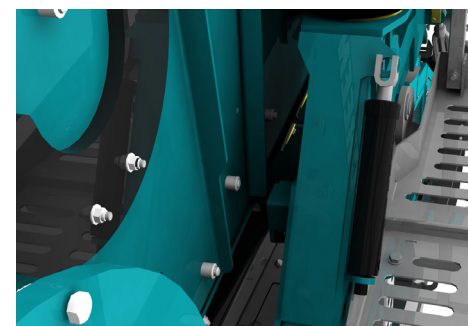
DUAL POWER

2 of electric motors: 37kW

Diesel engine

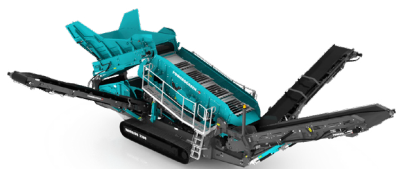
Integrated control system managing diesel-hydraulic or electric-hydraulic functions.

Note: This option may alter transport dimensions and feed access. For further details please contact engineering for detailed drawings and dimensions.



HYDRAULIC SCREEN TENSIONING

Bottom deck hydraulic screen tensioning option available via the addition of a hydraulic tension ram and tension valve.



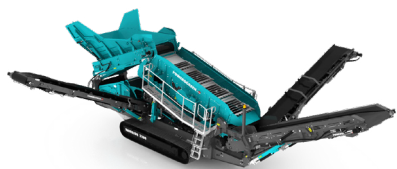
WARRIOR 2100 SINGLE SHAFT



↓ OPTIONS

- Machine supplied as 2 way split
- Custom colour machine
- Side conveyor telescopic hydraulic extensions (1.2m)
- Chevron side conveyor belts
- Auto lubrication system
- Radio controlled tracking
- Quick release wedge screen tensioning
- Screen blanket
- Hydraulically tensioned bottom deck
- Magnetic drive drums on all discharge conveyors
- Powerscreen Pulse





WARRIOR 2100 SINGLE SHAFT

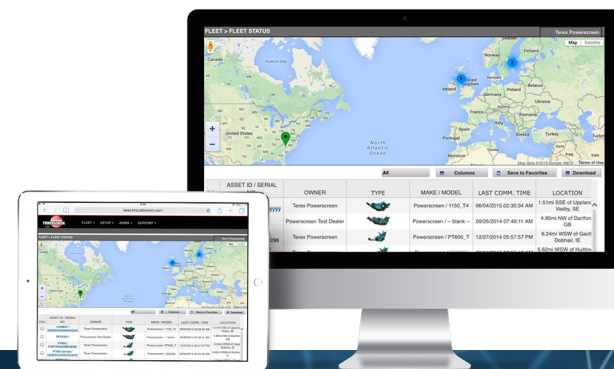


POWERSCREEN PULSE

RECORD, DISPLAY AND ANALYSE DATA:

HIGH EFFICIENCY THROUGH PRECISE INFORMATION

Available online anywhere and at any time: comprehensive information on the GPS location, start and stop times, fuel consumption, tonnages, cone settings, wear ratings, operating hours, maintenance status, and much more.




**AVAILABLE
ANYWHERE
AND AT ANY TIME**

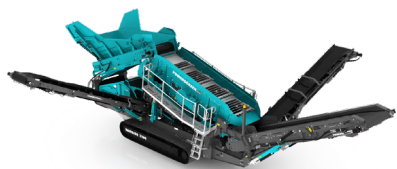

**DASHBOARD
DISPLAY**


**FLEET
OVERVIEW**


**WEEKLY REPORT
DIRECT TO YOUR
INBOX**


**GPS: MACHINE
TRACKING**


**REPORTING
UTILISATION, PERFORMANCE
& PART SPECIFIC**

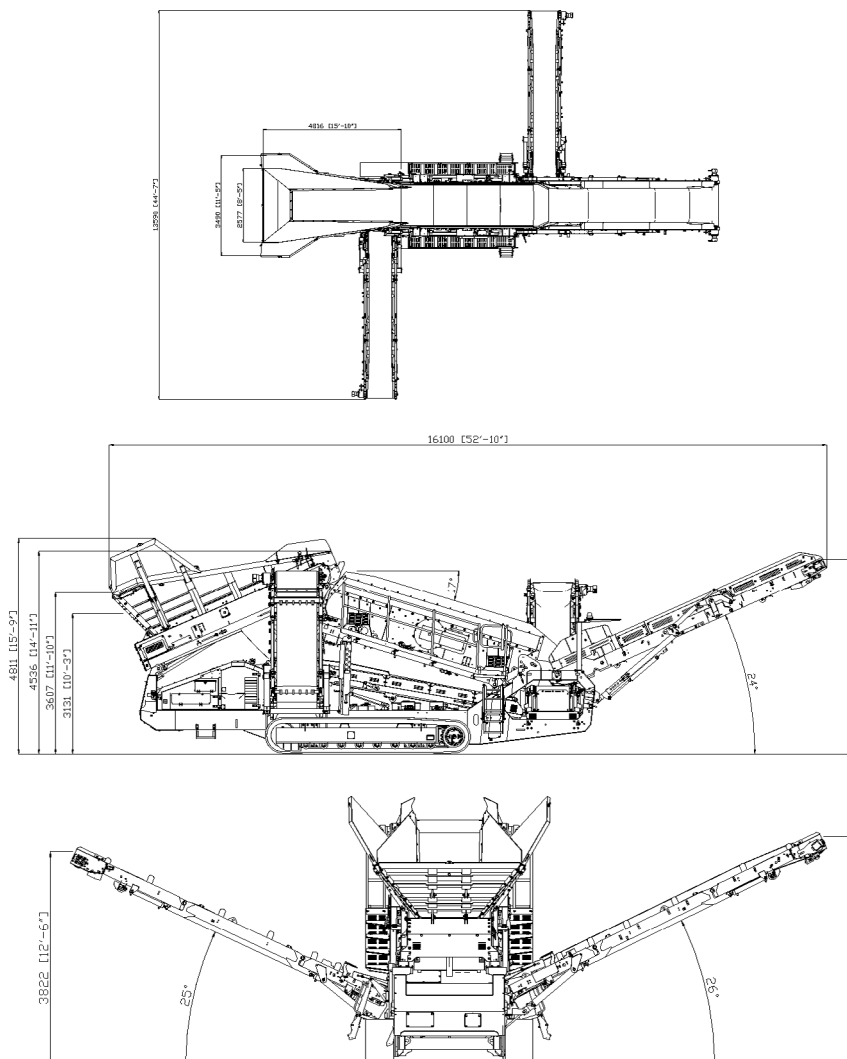


DIMENSIONS

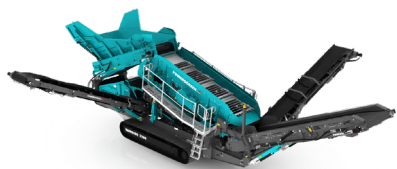
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Figure 1: Warrior 2100 Single Shaft
Working Position



MORE DIMENSIONS OVERLEAF

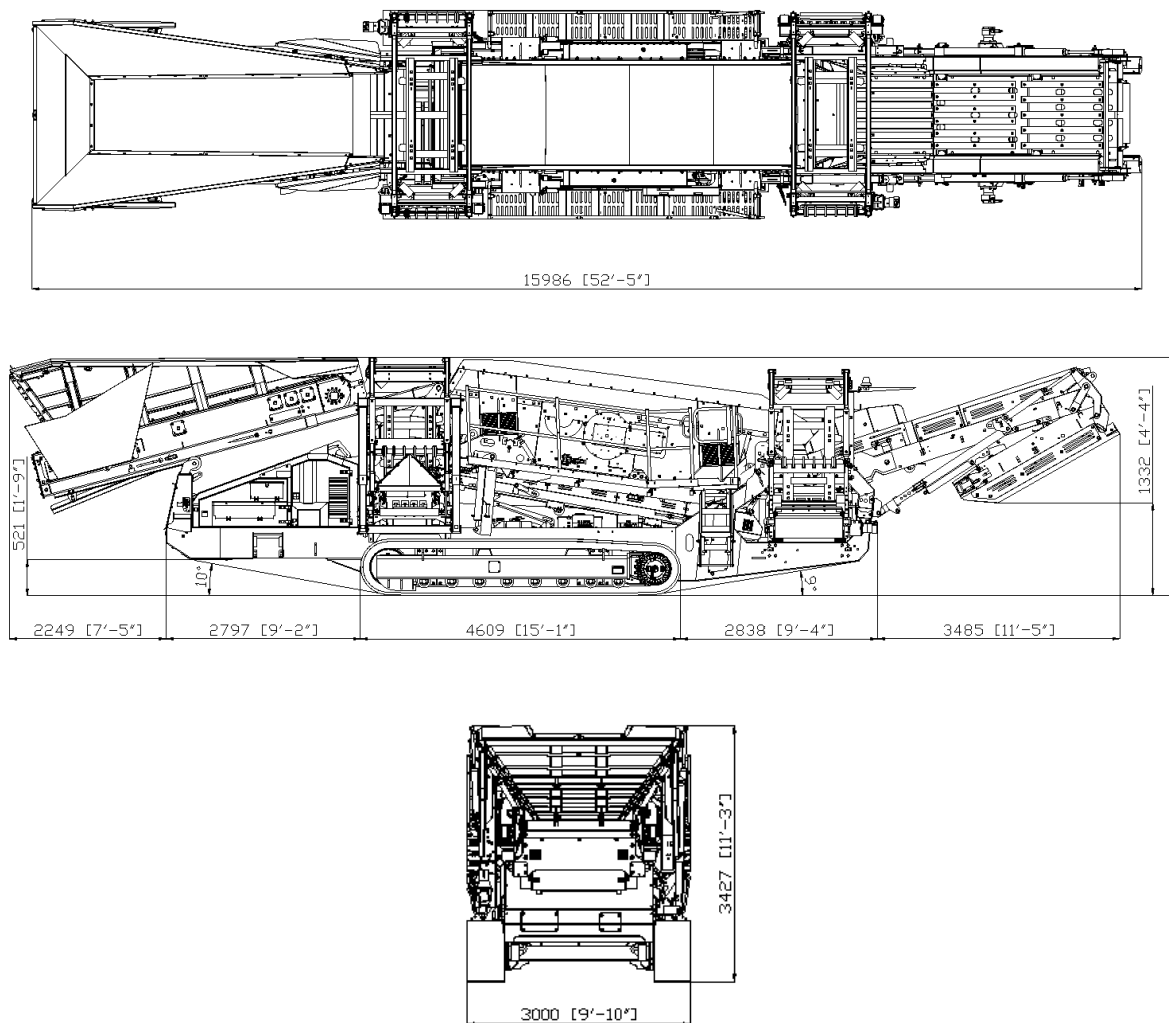


WARRIOR 2100 SINGLE SHAFT



DIMENSIONS

Figure 2: Warrior 2100 Single Shaft
Transport Position





Powerscreen equipment complies with CE requirements.

Please consult Powerscreen if you have any other specific requirements in respect of guarding, noise or vibration levels, dust emissions, or any other factors relevant to health and safety measures or environmental protection needs. On receipt of specific requests, we will endeavour to ascertain the need for additional equipment and, if appropriate, quote extra to contract prices.

All reasonable steps have been taken to ensure the accuracy of this publication, however due to a policy of continual product development we reserve the right to change specifications without notice.

It is the importers' responsibility to check that all equipment supplied complies with local legislation regulatory requirements.

Plant performance figures given in this brochure are for illustration purposes only and will vary depending upon various factors, including feed material gradings and characteristics. Information relating to capacity or performance contained within this publication is not intended to be, nor will be, legally binding.

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