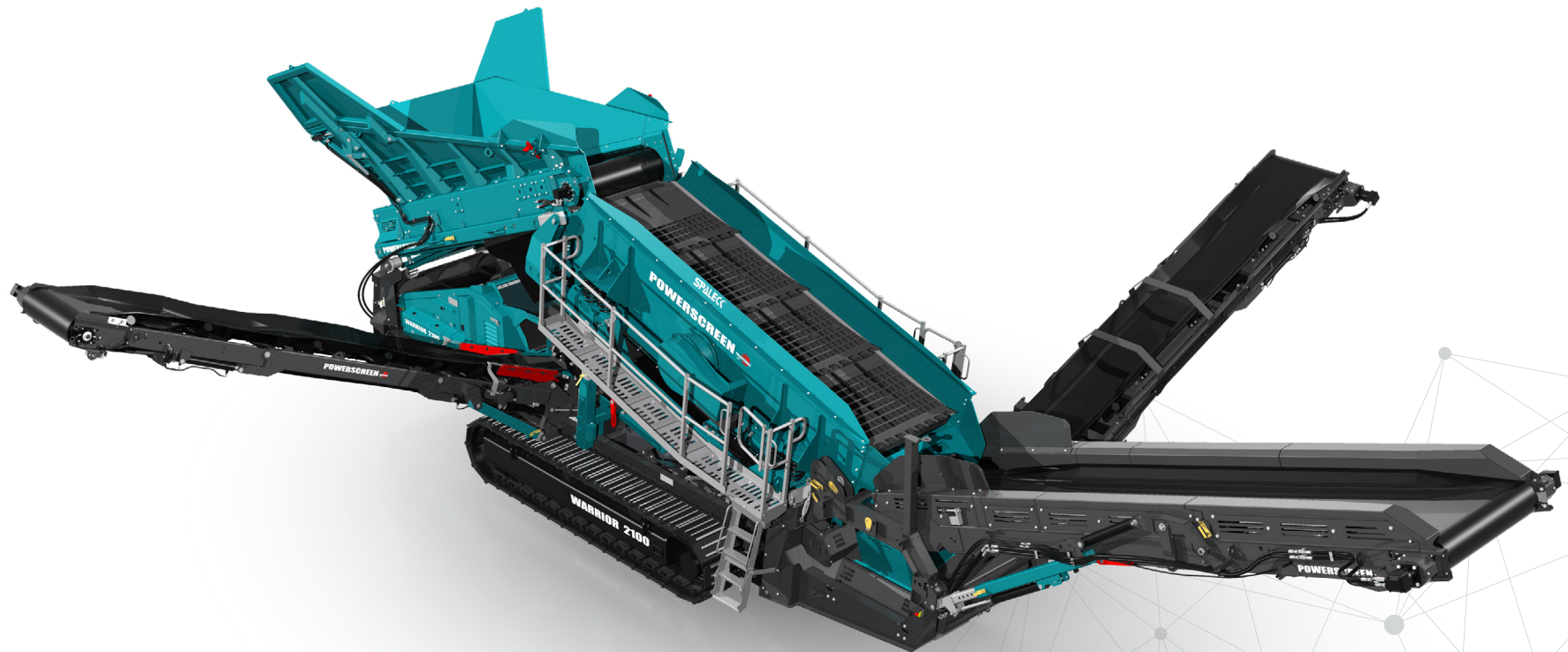


POWERSCREEN® WARRIOR 2100 - SPALECK

2 DECK HEAVY DUTY INCLINE SCREEN



TECHNICAL SPECIFICATION - REV 3. 01/01/2019





WARRIOR 2100 SPALECK



OVERVIEW

SPECIFICATION

Total weight	34,300kg (75,619lbs)
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 single shaft recycling screenbox

APPLICATIONS



Aggregate
Sand & gravel
Quarry dust



Recycling
Top soil
Commercial & industrial waste
Composted materials
Wood by-products
Foundry waste



Mining
Processed ores
Processed minerals



WARRIOR 2100 SPALECK



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

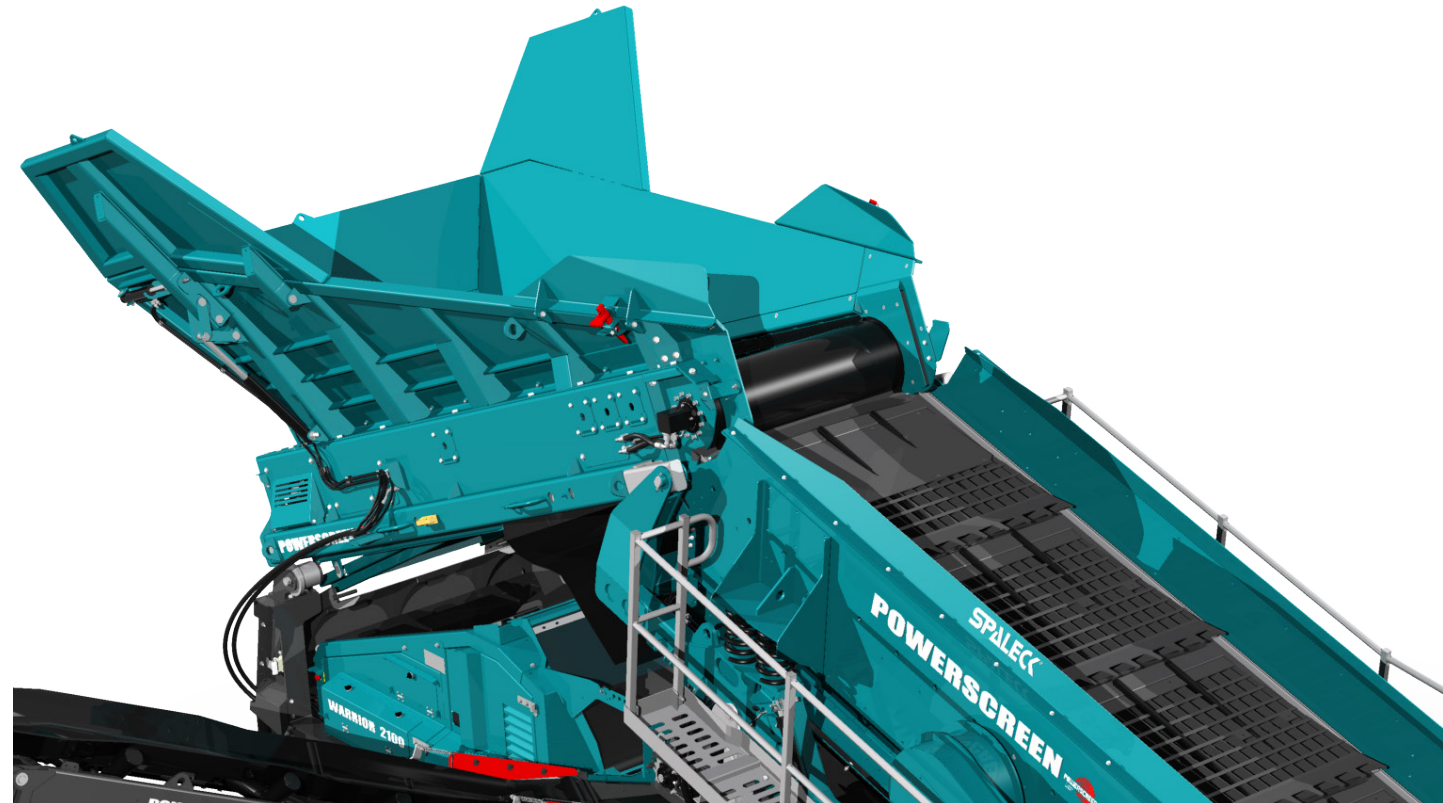
Rear wall collapsible for direct feeding

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 SPALECK



SCREENBOX

Heavy duty 4.88m x 1.55m (16' x 5' 1'') 2 deck incline screen with single shaft drive mechanism featuring variable screen angle adjustment.

Top deck: 4.88m x 1.55m (16' x 5' 1'')

Bottom deck: 4.62m x 1.53m (15' 2'' x 5')

Spaleck 3D top deck with tumbling fingers

Spaleck flip flow bottom deck

Jack-up screen facility for access to screen media

Lined side walls and chutes

Hi-torque screen motor mounted direct to screen box

Wear plates on pipe units

Galvanised maintenance platforms on both sides of screen





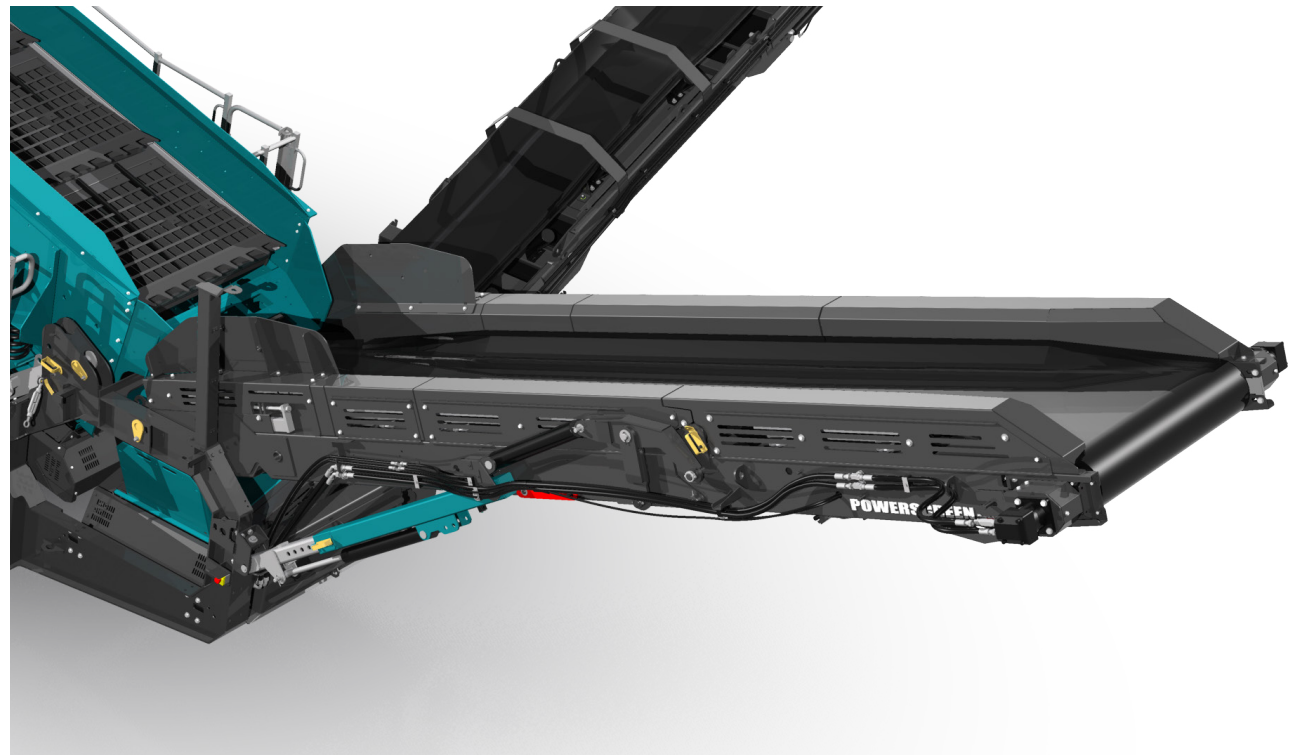
WARRIOR 2100 SPALECK



↓ CONVEYORS

HEAVY DUTY BELT FEEDER

Heavy duty impact bars & impact rollers supporting belt
1300mm (4' 3") 4 ply heavy duty gade 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 SPALECK



↓ CONVEYORS

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 SPALECK



↓ 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 SPALECK



↓ CONVEYORS

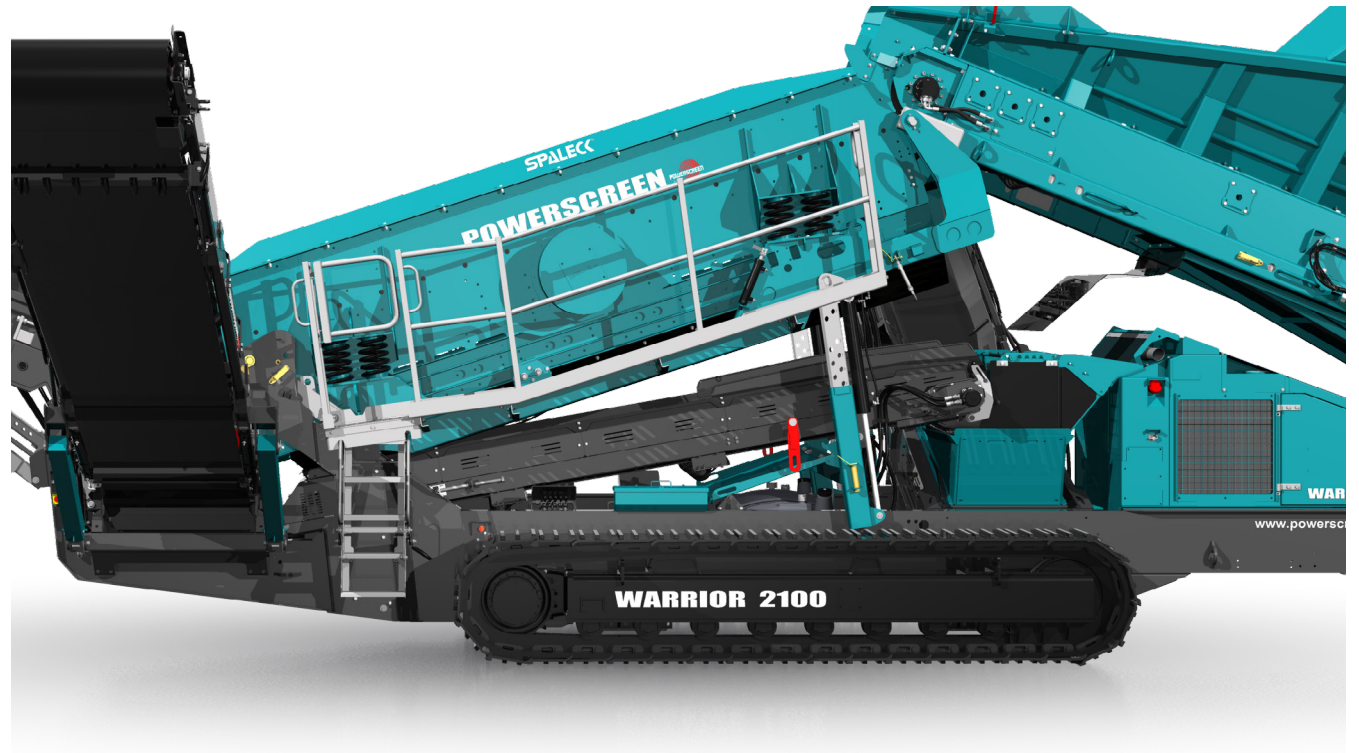
UNDERSCREEN CONVEYOR

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





WARRIOR 2100 SPALECK



↓ 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 SPALECK



↓ TRACKS

Track width: 500mm (1' 8")

Sprocket centres: 3840mm (12' 7")

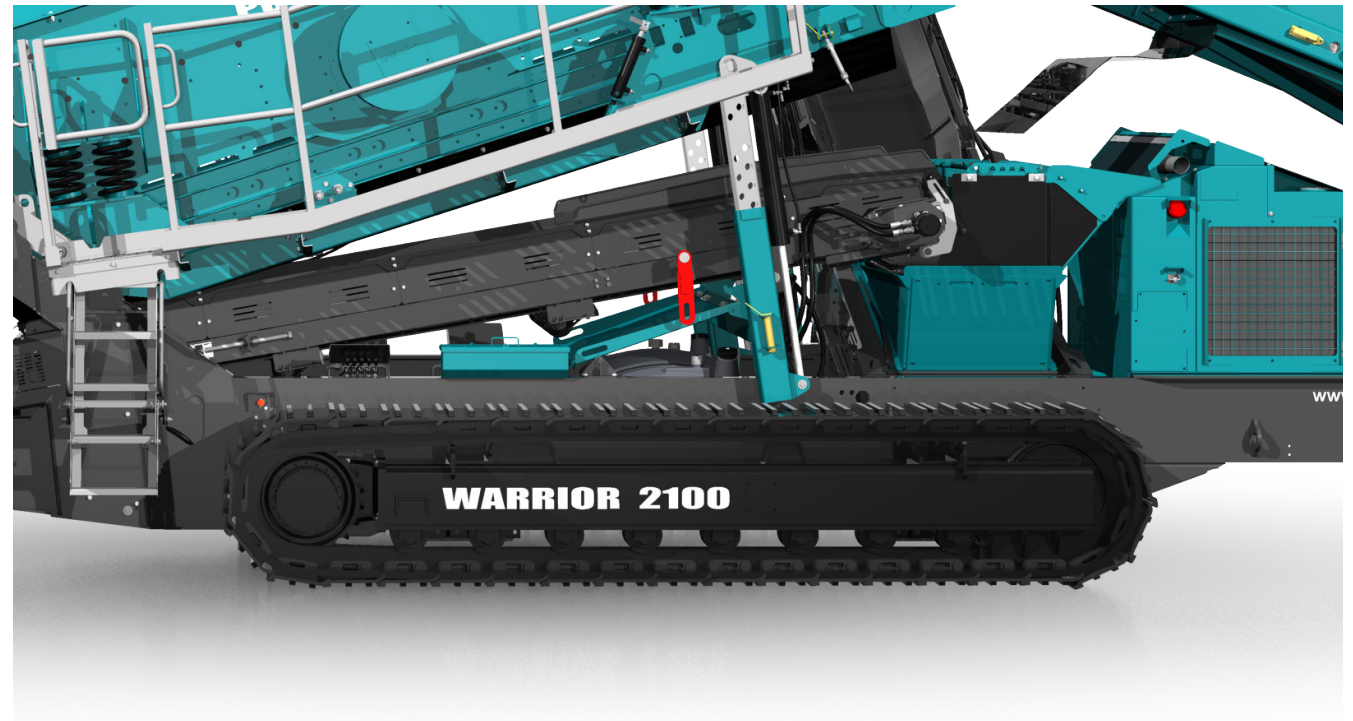
Two speed tracking system

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

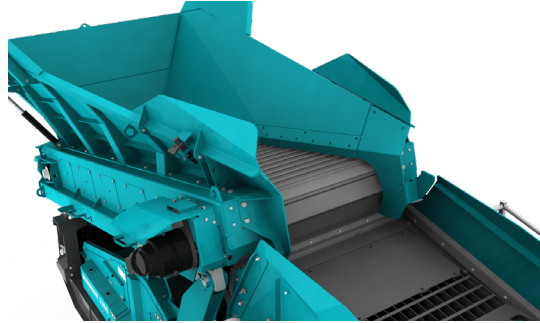




WARRIOR 2100 SPALECK



↓ OPTIONS



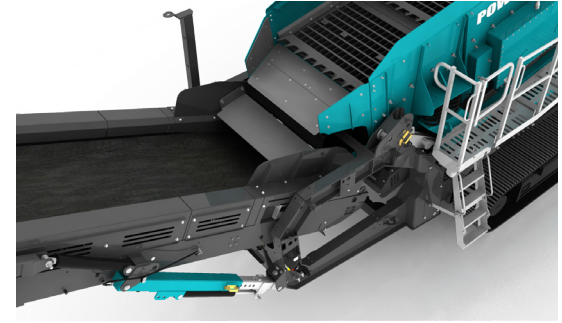
INCLINE APRON FEEDER

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: +2,000kgs (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: +450kgs (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

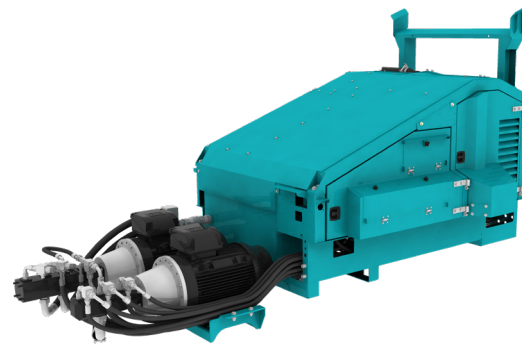
Fully hydraulic folding and locking from ground level, the hopper extensions offer a target width of 3.49m (11' 5") to suit feeding with a wheel loader from the rear of the machine.



WARRIOR 2100 SPALECK



OPTIONS



DUAL POWER

2 of electric motors; 37kW

Diesel engine

Integrated control system managing diesel-hydraulic or electrical-hydraulic functions

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

TELESCOPIC SIDE CONVEYORS

Hydraulically adjustable

Midsized and fines conveyors

DUST SUPPRESSION

Canvas cover dust suppression over conveyors

MEDIA OPTIONS

- Steel 3D punch plate

- Rubber 3D punch plate



WARRIOR 2100 SPALECK



OPTIONS

- Custom coloured machine
- Side conveyor telescopic hydraulic extensions (1.2m)
- Chevron side conveyor belts
- Machine supplied as 2 Way Split
- Auto lubrication system
- Radio controlled tracking
- Quick release wedge screen tensioning (side tensioned only)
- Screen blanket
- Hydraulically Tensioned bottom deck
- Powerscreen Pulse



WARRIOR 2100 SPALECK



↓ 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

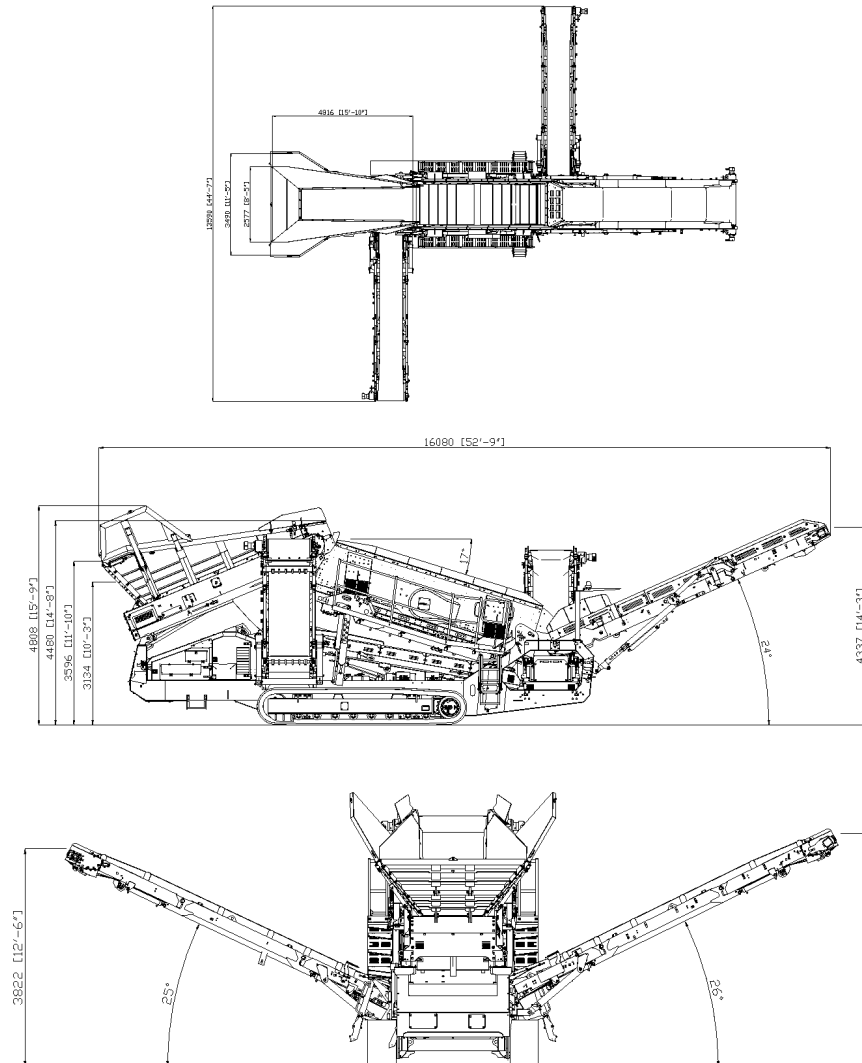


WARRIOR 2100 SPALECK



DIMENSIONS

Figure 1: Warrior 2100 Spaleck
Working Position



MORE DIMENSIONS OVERLEAF

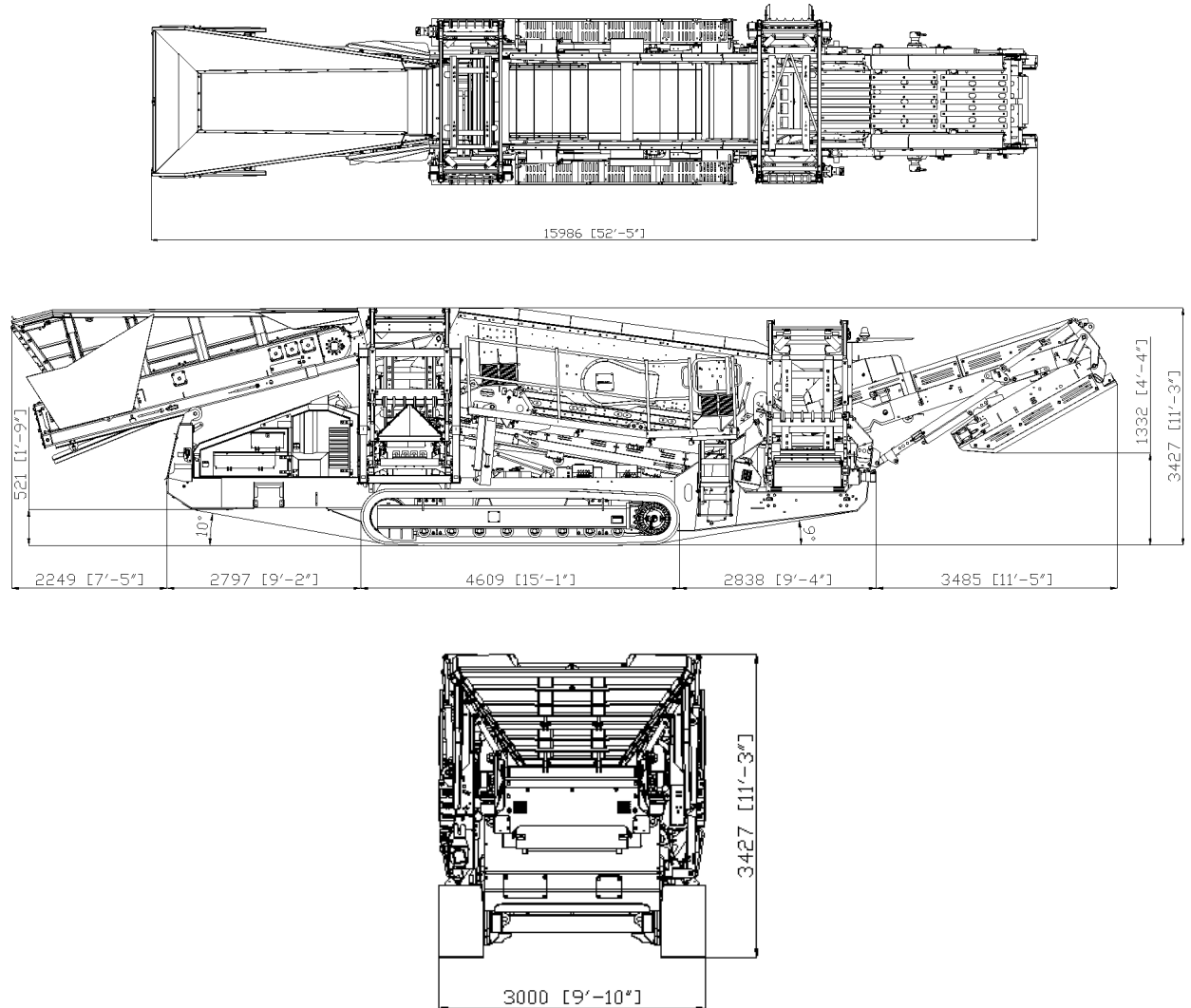


WARRIOR 2100 SPALECK



↓ DIMENSIONS

Figure 2: Warrior 2100 Spaleck
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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