

POWERSCREEN® TITAN 1300

2 DECK HEAVY DUTY INCLINE SCREEN



TECHNICAL SPECIFICATION - REV 0 01/03/2021





TITAN 1300



OVERVIEW

SPECIFICATION

Total weight	Standard Unit	20,750kg (45,745lbs)
Transport	Length	11m (36' 1")
	Width	2.5m (8' 2")
	Height	3.1m (10' 2")
Working	Length	12.5m (41')
	Width	14m (45' 11")
	Height	4.1m (13' 5")
Screenbox	4.1m x 1.22m (13' 6" x 4')	
Powerunit	Diesel / Hydraulic	
Plant Colour	RAL 5021 , RAL 7024 & RAL 9005	

(Weights & dimensions are approximate base unit values)

FEATURES & BENEFITS

- High capacity up to 350 tph / 386 US tph (depending on media sizes & material type)
- Maximum feed size 400mm (16") . 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
- Hydraulic folding hopper extensions.
- Jack up screen facility for access to screen media & collection conveyor
- Heavy duty aggressive 2 bearing screenbox with 10mm stroke (optional 12mm stroke)
- Maximum mobility with heavy duty, low ground pressure tracks complete with removable pendant remote control system
- Quick set up time typically under 15 minutes
- Hydraulically folding conveyors for transport
- High performance hydraulic system - cast iron pumps & motors complete with hydraulic cooler

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



TITAN 1300



HOPPER

Hopper capacity: 5m³ (6.5 cu. yd.)

Feed in Height (Side): 4.1m (13' 5")

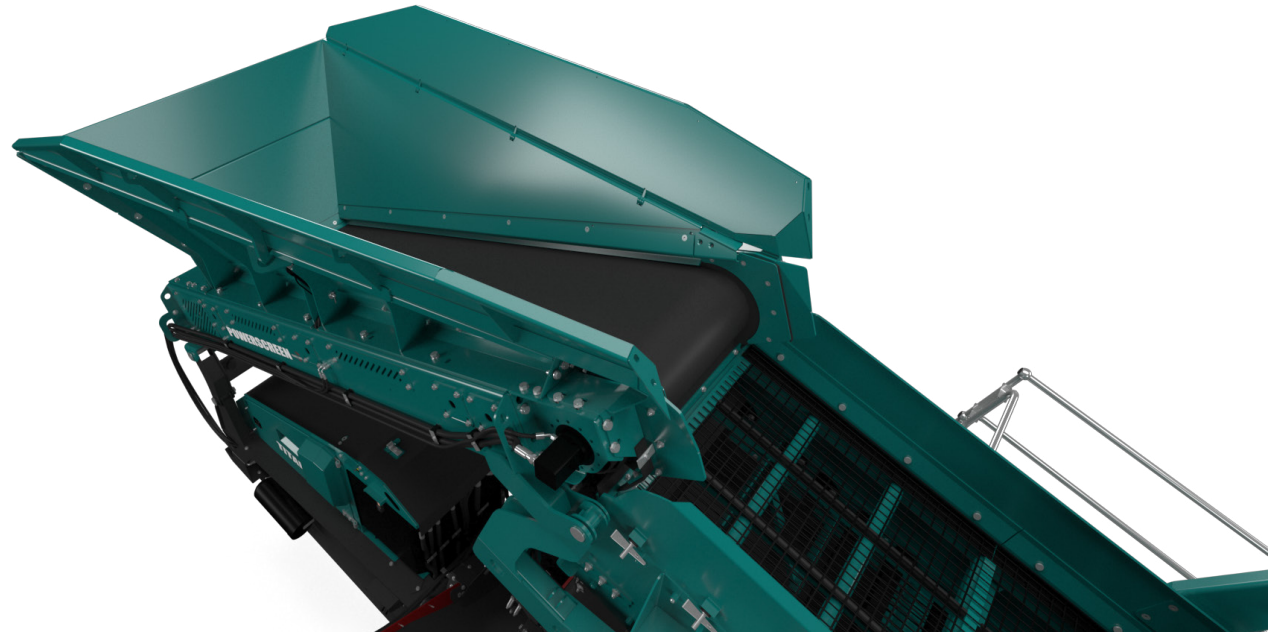
Feed in Height (Rear): 3.4m (11' 1")

Hydraulic folding hopper extensions as standard

Integrated drive pulley gearbox

Folding rear hopper for direct feeding

Proud discharge into screenbox





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SCREENBOX

Heavy duty 4.1m x 1.22m (13' 6" x 4') 2 deck, 2 bearing incline screen with highly aggressive screen drive.

Top Deck: 4.1m x 1.2m (13' 6" x 3' 11")

Bottom Deck: 3.9m x 1.2m (12' 9" x 3' 11")

Aggressive performance to tackle the most difficult of applications. Screen acceleration reaching up to 6G and speeds of up to 1020rpm.

A large variety of media options (mesh, punch plate, fingers, 3D punch plate,

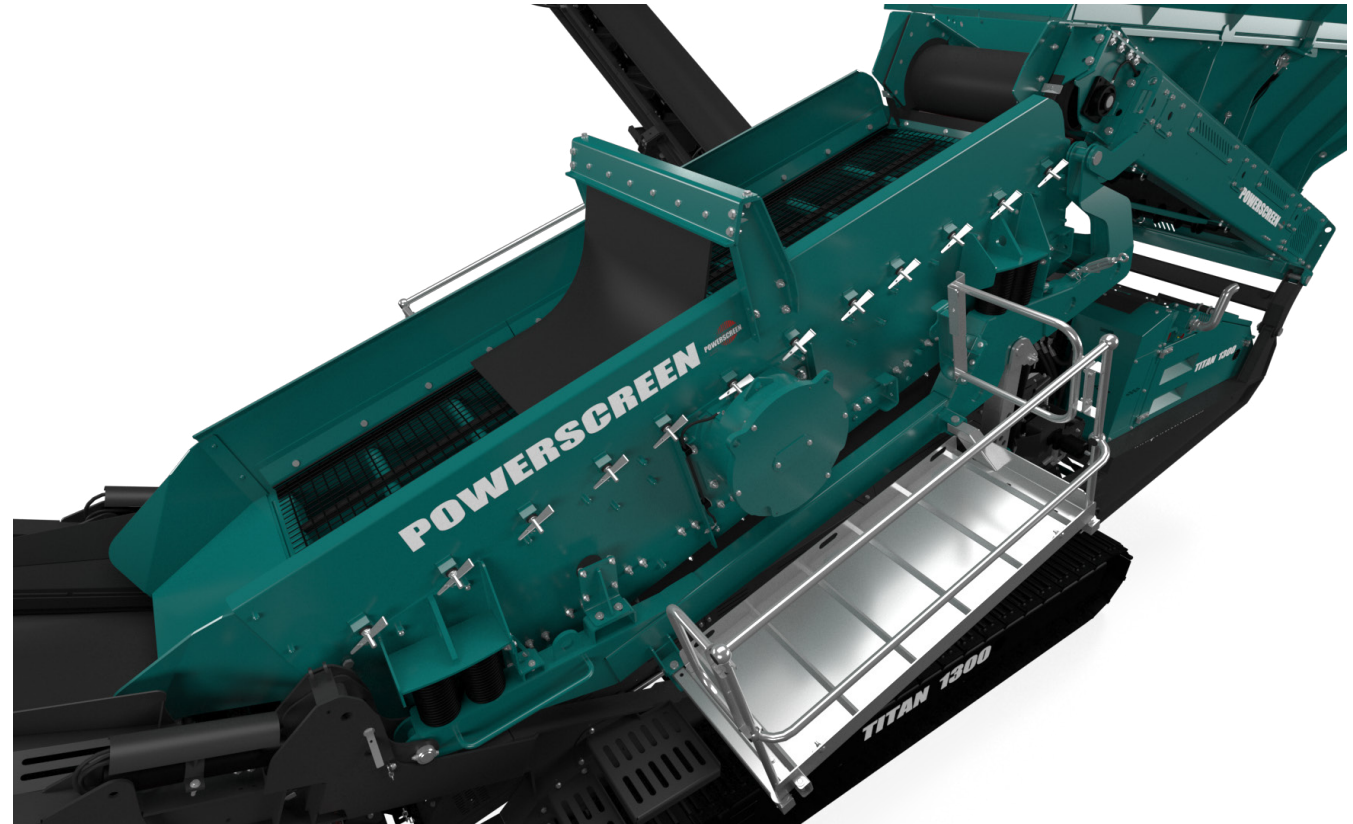
bofor bars, and a screen blanket to regulate material flow).

Hydraulic screen angle adjustment 14° - 18°

Jack-up screen facility for access to screen media to facilitate rapid mesh changes.

10mm throw as standard but can be increased to 12mm.

Side tensioned top deck, end tensioned bottom deck.





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CONVEYORS

HEAVY DUTY BELT FEEDER

1100mm (44") 4 ply heavy duty grade belt

Drum centres: 3.46m (11' 4")

Drive drum diameter: 324mm (13")

Tail drum diameter: 273mm (11")

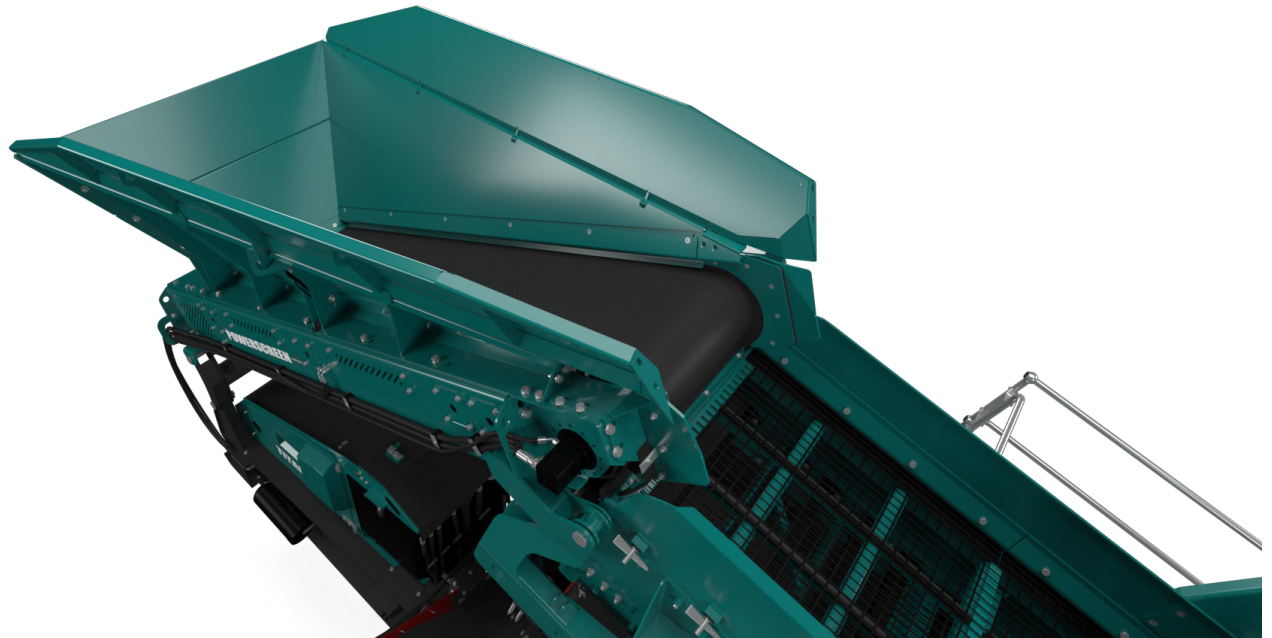
Angle: 21°

Heavy duty impact bars supporting the belt

Heavy duty drive with high torque gearbox and motor drive

Variable speed control

Supergrip drive drum as standard





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CONVEYORS

UNDERSCREEN CONVEYOR

1000mm (40") wide 3 ply plain belt
Drum centres: 3.9m (12' 9")
Drive drum diameter: 216mm (8")
Tail drum diameter: 200mm (7")
Premium head drum scraper (3 position tear drop)
Adjustable control at transfer point.
Variable speed control.

OVERSIZE - TAIL CONVEYOR

1050mm (42") wide 3 ply chevron belt
Drum centres: 4.3m (14' 1")
Drive drum diameter: 216mm (8")
Tail drum diameter: 200mm (7")
Angle: 23°
3m (9' 10") stockpile height
40m³ (53 cu. yd.) stockpile capacity
Impact bed support
Compact fold (hydraulic fold manipulation)
Two way split conversion
Variable speed control





TITAN 1300



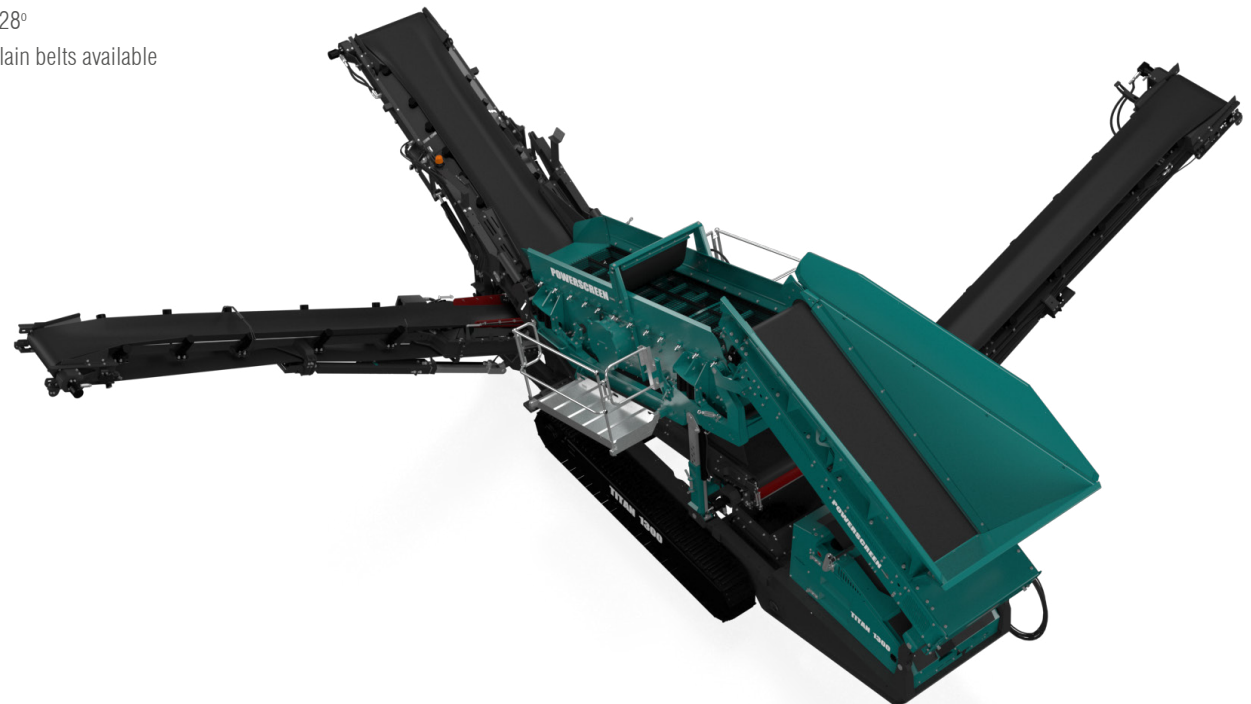
↓ CONVEYORS

FINESIZE - SIDE CONVEYOR

800mm (32") wide 3 ply belt
Drum centres: 7.8m (25' 7")
Drive drum diameter: 286mm (11")
Tail drum diameter: 203mm (8")
3.9m (12' 9") stockpile height
88m³ (115 cu. yd.) stockpile capacity
Robust double side frame work
Self tensioning feedboot extensions
Simple folding mechanism
Roller supported
Variable speed control
Fixed angle: 28°
Chevron or plain belts available

MIDSIZE - SIDE CONVEYOR

650mm (26") wide 3 ply belt
Drum centres: 7.8m (25' 7")
Drive drum diameter: 216mm (8")
Tail drum diameter: 200mm (7")
3.6m (11' 10") stockpile height
69m³ (91 cu. yd.) stockpile capacity
Self tensioning feedboot extensions
Simple folding mechanism
Variable speed control
Chevron or plain belts available
Fixed angle: 25°





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POWER UNIT & HYDRAULICS

Engine Tier 3 Equivalent:

Caterpillar C4.4

Performance:

62 kW (83hp) @ 2350rpm

Engine Tier 4F:

Caterpillar C3.4

Performance:

55 kW (74hp) @ 2350rpm

Stage V:

Caterpillar C2.2

Performance:

55 kW (74hp) @ 2350rpm

Tank Capacities:

Fuel: 372 L (86 US Gal)

Hydraulic Oil: 500 L (132 US Gal)

Pumps:

Flywheel: Cast iron triple 27/27/27cc/rev

Motors:

Belt feeder: Cast Iron 160cc/rev

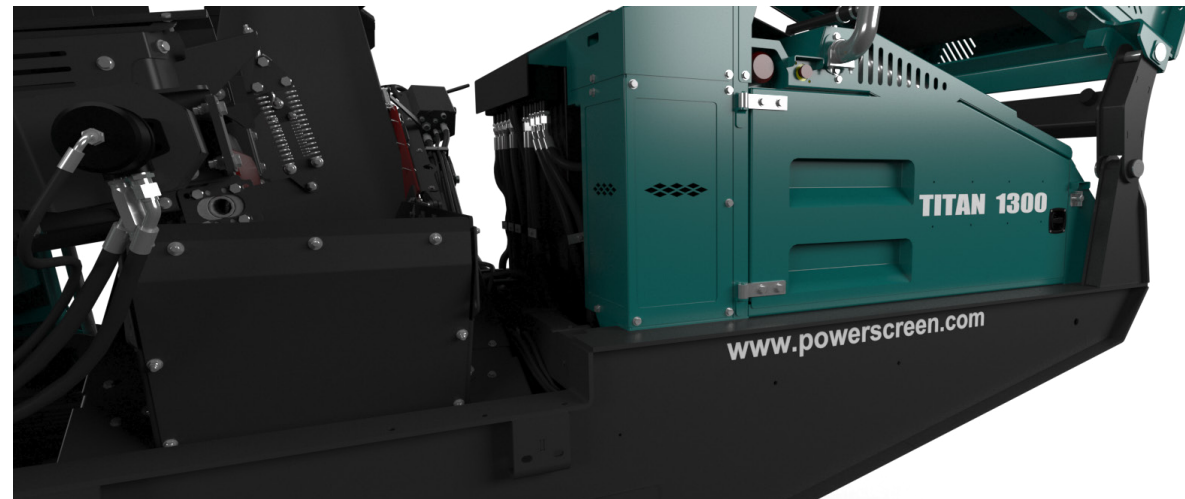
Tail conveyor: Cast iron 500cc/rev

Mid fines side conveyor: Cast iron 400cc/rev

Underscreen conveyor: Cast iron 500cc/rev

Fines conveyor: Cast iron 400cc/rev

Screen: Cast iron 56cc/rev



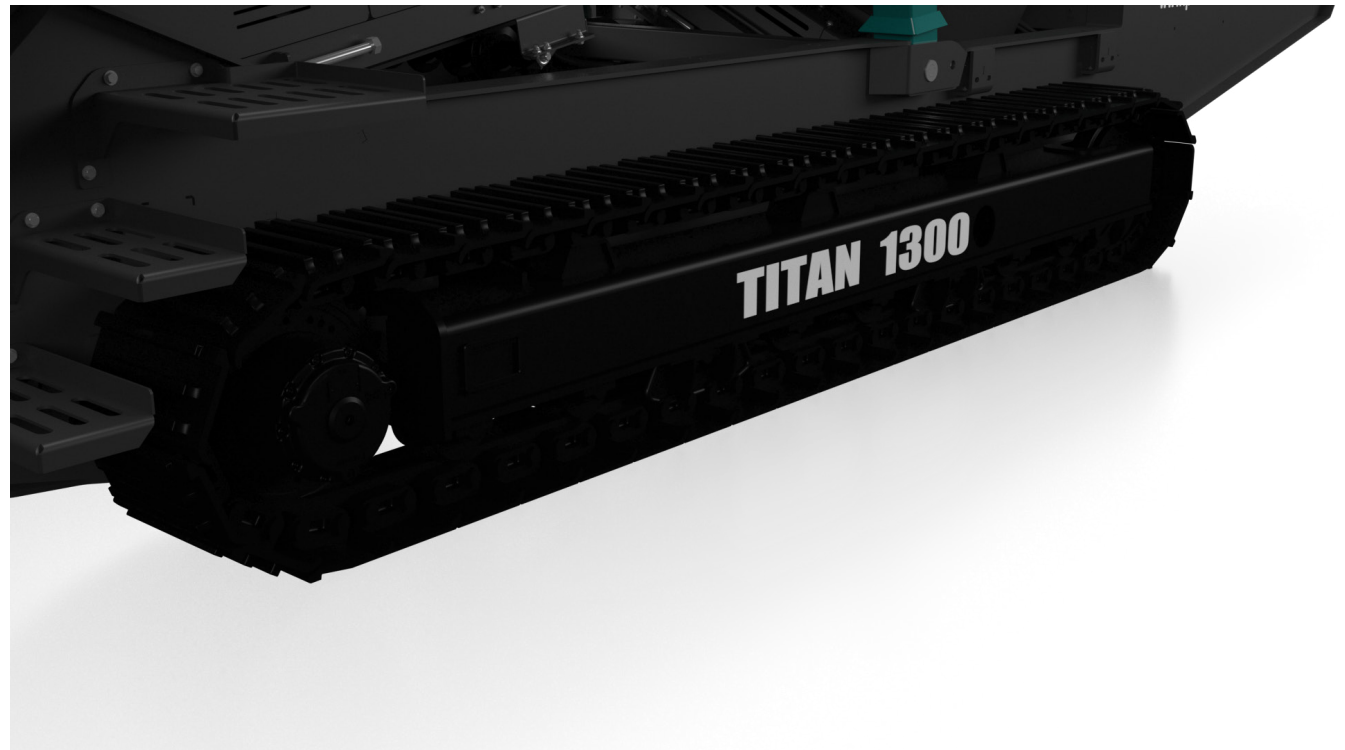


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TRACKS

Track Width:	400mm (1' 4")
Sprocket Centres:	3468mm (11' 4")
Speed (Slow):	1.1 kph (0.68 mph)
Speed (Fast):	1.9 kph (1.18 mph)
Total Flow Per Track:	61 Lpm
Gradability:	35°





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↓ OPTIONS

OTHER OPTIONS

- Chevron belt for either side conveyor.
- Conveyor removed for two way split.
- Reversible conveyors.
- Auto lube
- Quick release wedge tensioning (side tensioned only)
- Radio remote for tracks
- Hot / cold climate oils
- Maintenance platform for screenbox
- Screen blanket
- Powerscreen Pulse





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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**



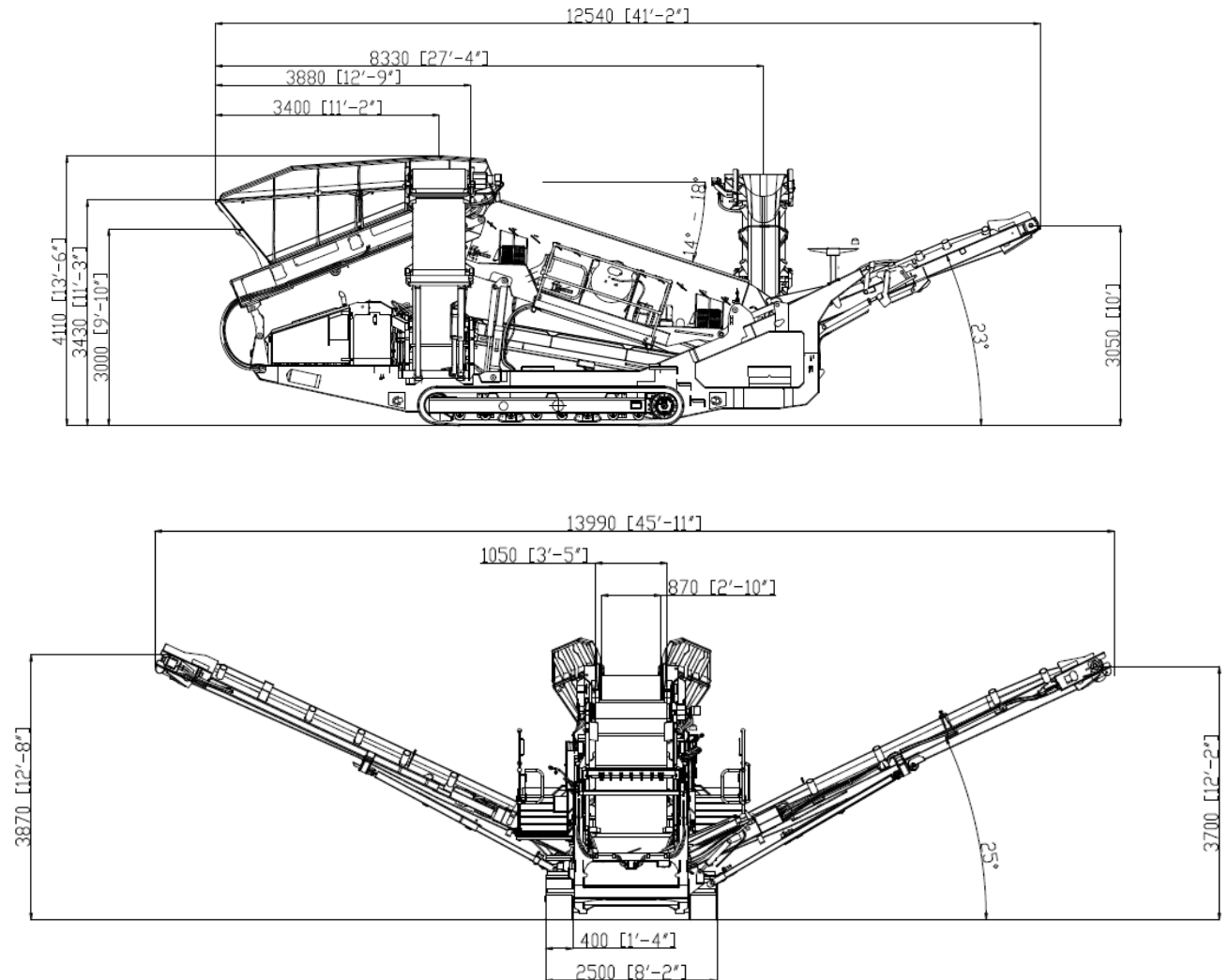


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DIMENSIONS

Figure 1: Titan 1300
Working Position



MORE DIMENSIONS OVERLEAF

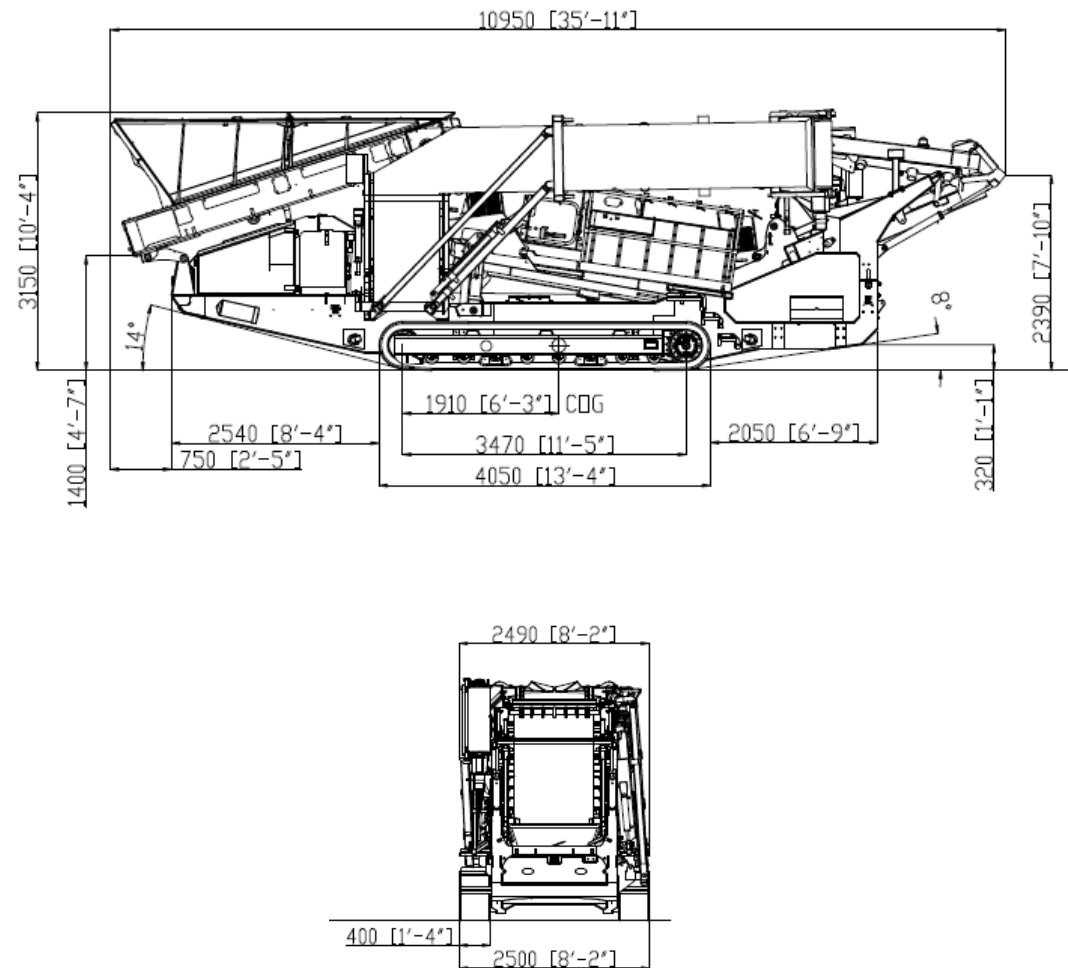


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DIMENSIONS

Figure 2: Titan 1300
Transport Position



MORE DIMENSIONS OVERLEAF

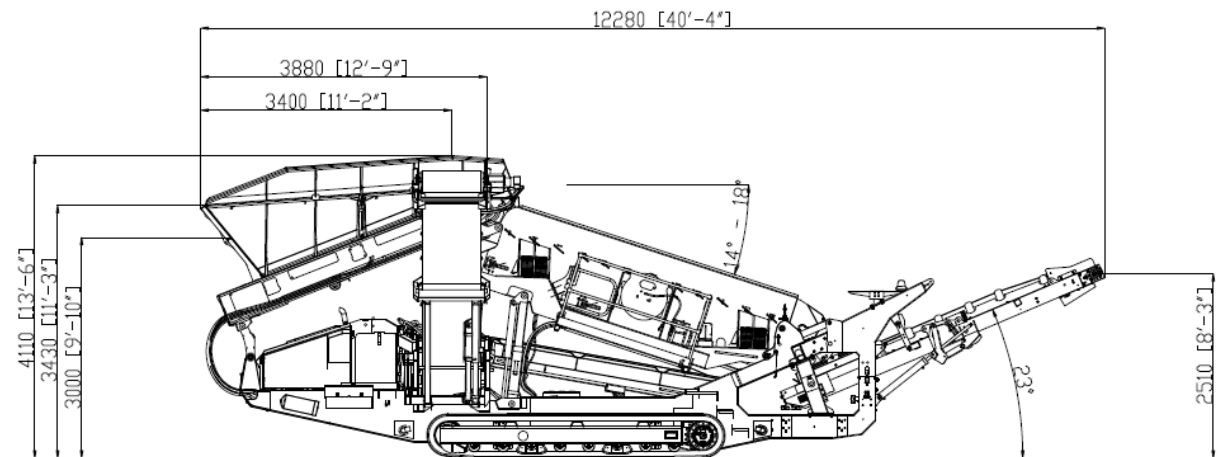


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DIMENSIONS

Figure 3: Titan 1300
2 Way Split
Working 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.

GET IN TOUCH

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