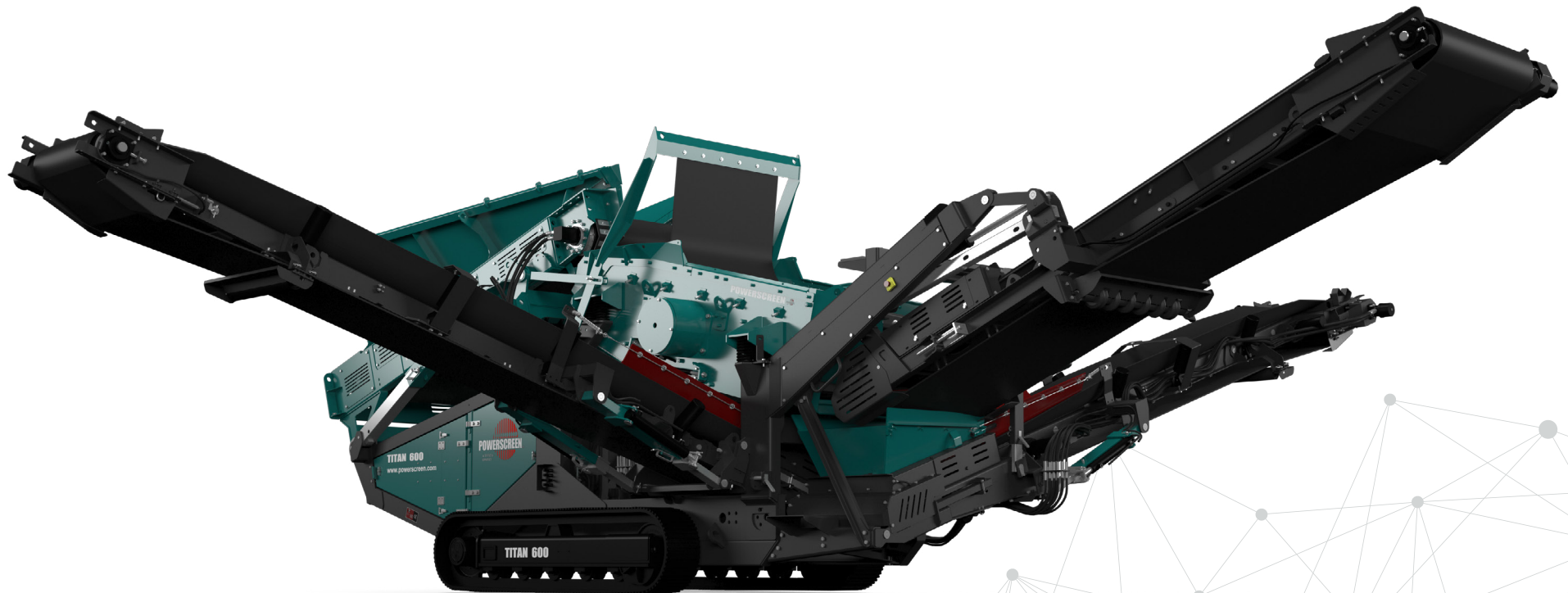


POWERSCREEN® TITAN 600

2 DECK INCLINE SCREEN



TECHNICAL SPECIFICATION - REV 0 01/05/2021





TITAN 600



OVERVIEW

SPECIFICATION

Total weight	12,000kg (26,455lbs)
Transport	Length 10.98 (36') Width 2.25m (7' 5") Height 2.55m (8' 4")
Working	Length 10.55m (34' 7") Width 10.42m (34' 2") Height 3.33m (10' 11")
Screenbox	2.49m x 1.17m (8' 2" x 3' 10")
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 280 tph / 308 US tph (depending on media sizes & material type)
- Maximum feed size 300mm (1'). Maximum allowable feed size may vary depending on material type and screenbox media
- Smart design minimises weight but retains strength and robustness
- Ultra low fuel consumption with optimised hydraulics
- Rapid conversion from 3 way split to 2 way split (fully hydraulic)
- Heavy duty single shaft incline screenbox with adjustable stroke
- Maximum mobility with heavy duty, low ground pressure tracks
- Removable heavy duty pendant remote control system (option)
- Quick set up time
- High performance hydraulic system - cast iron pumps & motors complete with hydraulic cooler
- Versatile unit for 3 way splitting, stockpiling or scalping before or after a crusher
- Simple to operate & maintain
- Variable speed hopper
- Wide range of screen media available
- Power unit featuring a longitudinal engine arrangement to aid access & serviceability
- Drop down rear hopper door to decrease feed in height

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 600



HOPPER

Target area: 3.32m (10' 11") long x 1.84m (6') wide

Hopper capacity: 3m³ (3.9 cu. yd.)

Folding rear hopper door

Feed in height (rear) : 2.86m (9' 4")

Feed in height (rear folded) : 2.31m (7' 7")

Feed in height (side) : 3.3m (10' 11")



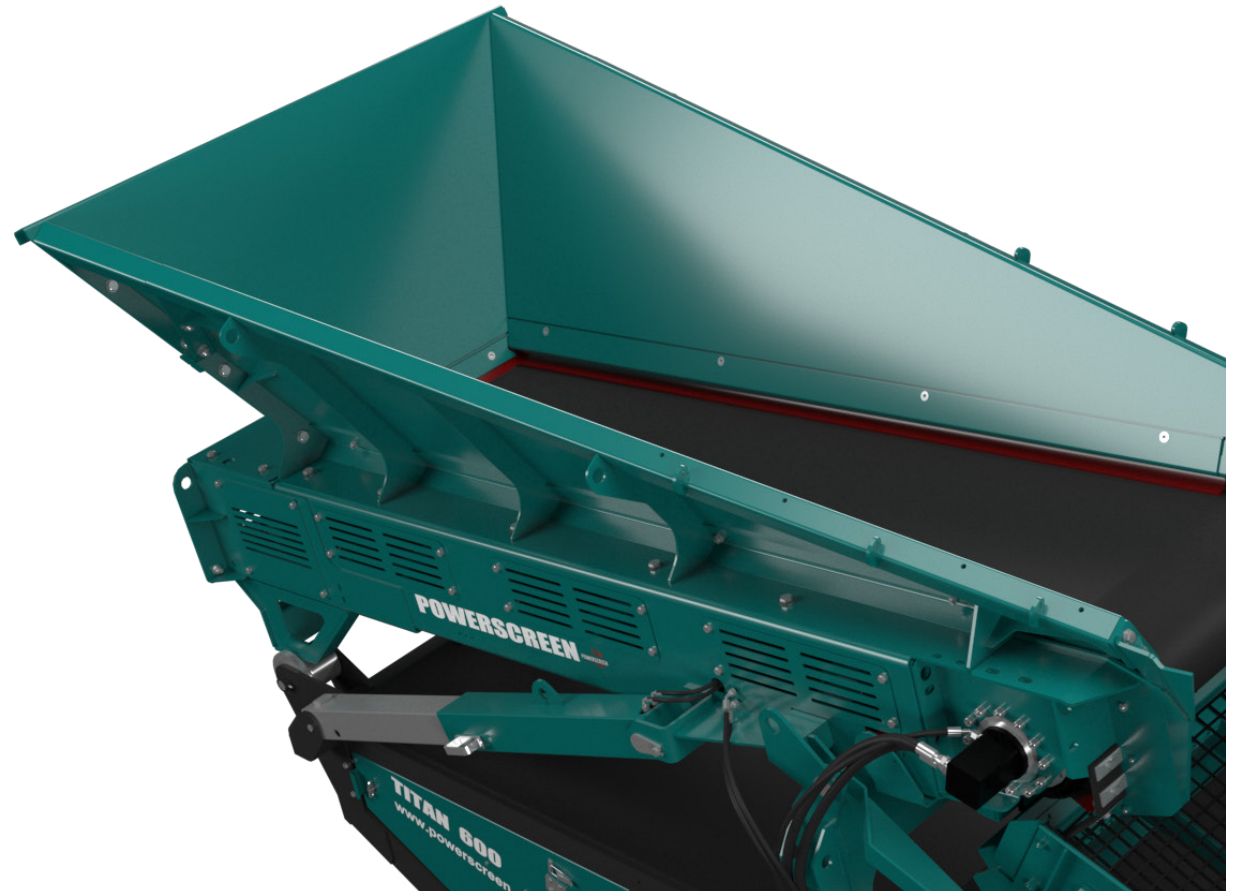


TITAN 600



HEAVY DUTY BELT FEEDER

1000mm (3' 3") 4 ply plain belt
3.07m (10' 1") drum centres
335mm (13.2") drive drum diameter
270mm (10.6") tail drum diameter
Variable speed control
Supergrip drive drum standard





TITAN 600



SCREENBOX

Heavy duty 2.49m x 1.17m (8' 2" x 3' 10") 2 deck screen

Highly aggressive screen drive

2 bearing shaft arrangement complete with direct drive system

Top deck : 2.38m x 1.17m (7' 10" x 3' 10")

Bottom deck : 2.29m x 1.17m (7' 6" x 3' 10")

Side tension top deck

End tension bottom deck

Stroke: 9.5mm

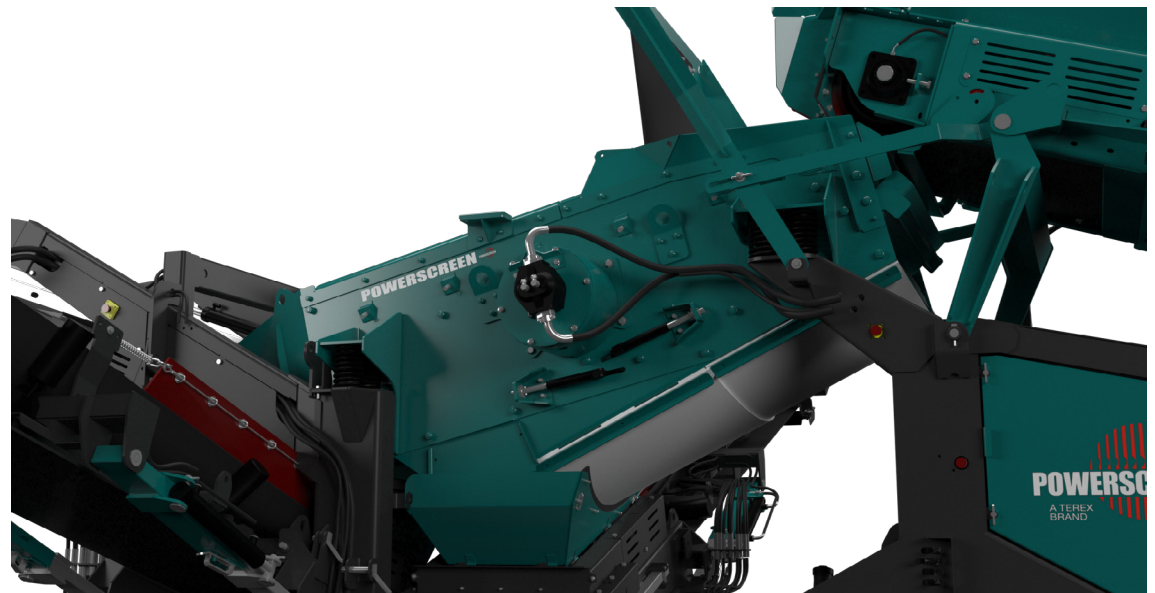
Fixed screen angle: 14°

Top deck media: bofor deck, fingers, punch plate and mesh

Bottom deck media: mesh, fingers,

Rubber screen blanket (option)

*Rigid chute attached to bottom of screenbox. This allows material passing through the bottom deck to be transferred to the fines conveyor.





TITAN 600



CONVEYORS

FINESIZE - SIDE CONVEYOR

650mm (2' 2") wide 3 ply plain belt

5.9m (19' 4") drum centres

216mm (8.5") drum diameter (drive)

200mm (7.9") drum diameter (tail)

2.9m (9' 6") stockpile height

36m³ (47 cu. yd.) stockpile volume

Hydraulically folding

Variable angle: 18-25°

Impact rollers in feedboot

Folding feedboot

Self tensioning skirting extending from feedboot





TITAN 600



CONVEYORS

MIDSIZE - SIDE CONVEYOR

650mm (2' 2") wide 3 ply plain belt

5.9m (19' 4") drum centres

216mm (8.5") drum diameter (drive)

200mm (7.9") drum diameter (tail)

2.8m (9' 2") stockpile height

33m³ (43 cu. yd.) stockpile volume

Variable speed control

Hydraulically folding

Variable angle: 18-25°

Self tensioning skirting extending from feedboot





TITAN 600



CONVEYORS

OVERSIZE - TAIL CONVEYOR

1000mm (3' 3") wide 3 ply chevron belt

4.23m (13' 11") drum centres

216mm (8.5") drum diameter (drive)

200mm (7.9") drum diameter (tail)

2.7m (8' 10") stockpile height

29m³ (38 cu. yd.) stockpile volume

Variable speed control

Impact slips along feedboot

Fixed angle: 20°

Hydraulic adjustment for 3 way split to 2 way split conversion

Hydraulic folding option





TITAN 600



POWER UNIT & HYDRAULICS

Engine Tier 3 Equivalent:

Deutz D2011 L04I

Performance:

36.4kW (48.8 hp) @ 2300rpm

Engine Tier 4F:

Deutz TD2.9L4

Performance:

42kW (56.3hp) @ 1900rpm

Engine Stage V:

Deutz TD2.9

Performance:

45kW (60p) @ 2200rpm

Tank Capacities:

Fuel: 145 L (38 US Gal)

Hydraulic oil: 250 L (66 US Gal)

Pumps:

Flywheel pump

(Tier 3): Tandem 27/27cc/rev

Flywheel pump

(Tier 4F/Stage V): Tandem 33/33cc/rev

Motors:

Belt feeder: Cast iron 125cc/rev

Tail conveyor: Cast iron 500cc/rev

Fines conveyor: Cast iron 400cc/rev

Midsized side conveyor: Cast iron 400cc/rev

Oversize tail conveyor: Cast iron 500cc/rev

Screen: Cast iron 56cc/rev



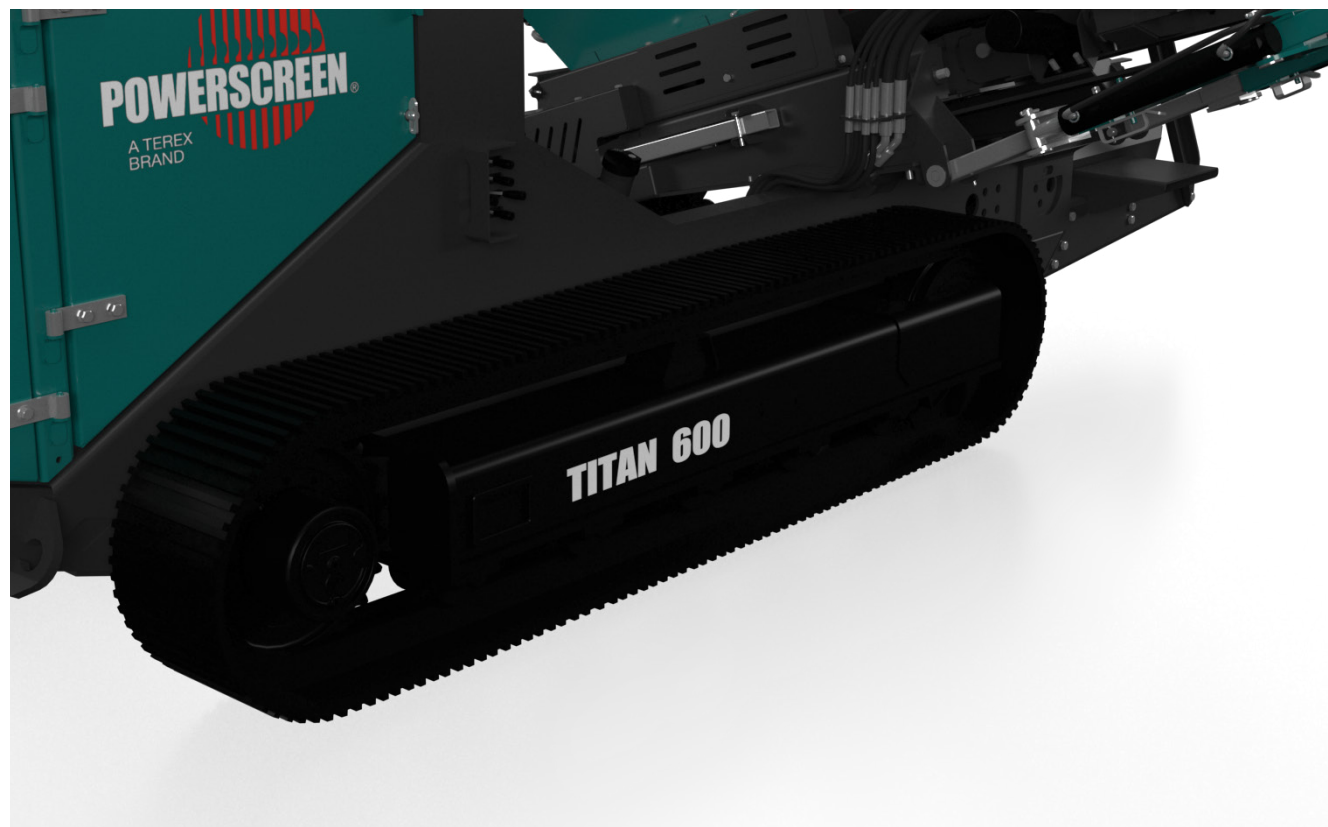


TITAN 600



TRACKS

Track width:	300mm (1')
Sprocket centres:	2187mm (7' 2")
Approximate speed:	1.8kph (1.12mph) (slow) 3.3kph (2.05mph) (fast)
Single speed version:	1.8kph (1.12mph) (Standard with flow regulated track solenoid for slower speed)
Total flow per track:	60.9 Lpm

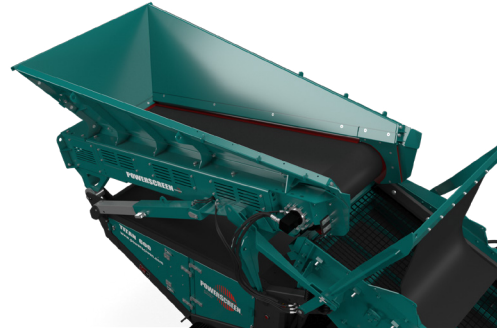




TITAN 600



↓ OPTIONS

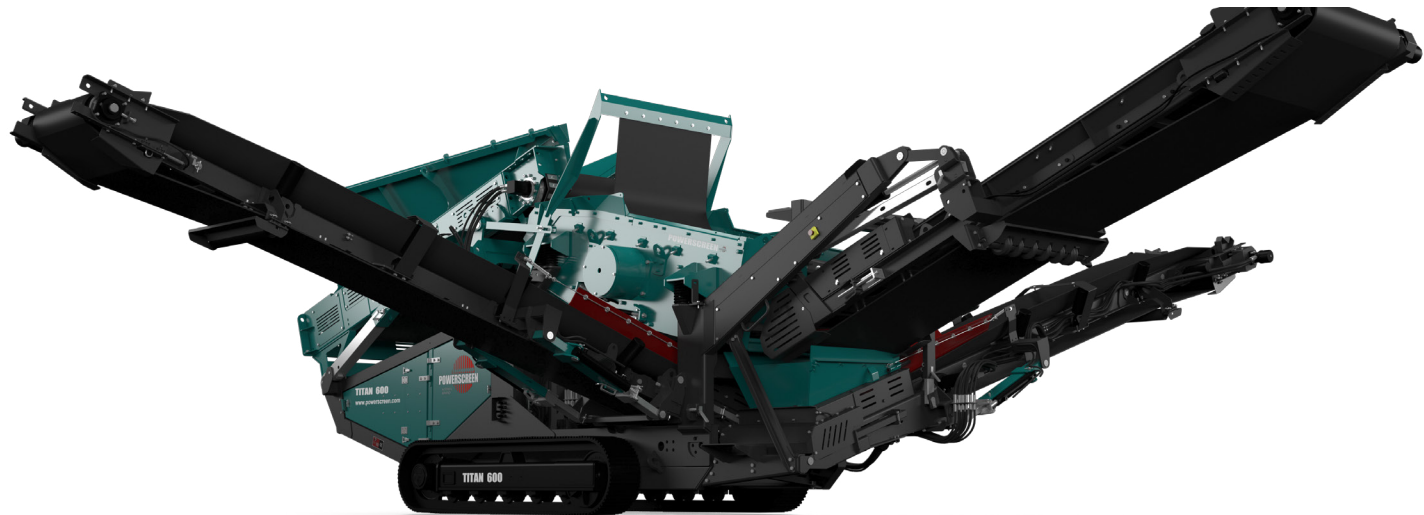


SCREEN BLANKET

Screen blanket available to slow material progress across the top deck and also aid sticky material to pass through the screen deck

OTHER OPTIONS

- Custom colour machine
- Chevron side conveyor belts
- Auto lubrication system
- Radio controlled tracking
- Quick release wedge screen tensioning (side tensioned only)
- Wide range of screen media
- Screen blanket option
- Hydraulically folding tail conveyor
- Powerscreen Pulse





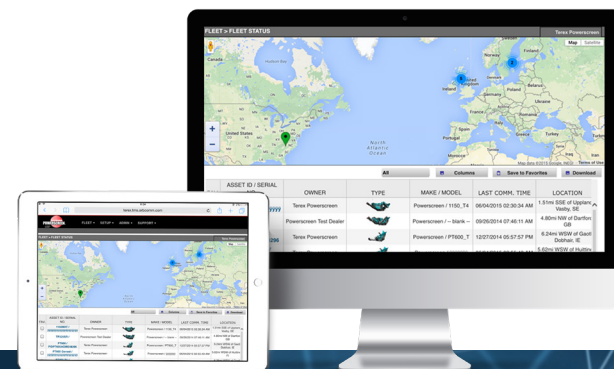
TITAN 600




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**



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TRACKING**



**REPORTING
UTILISATION, PERFORMANCE
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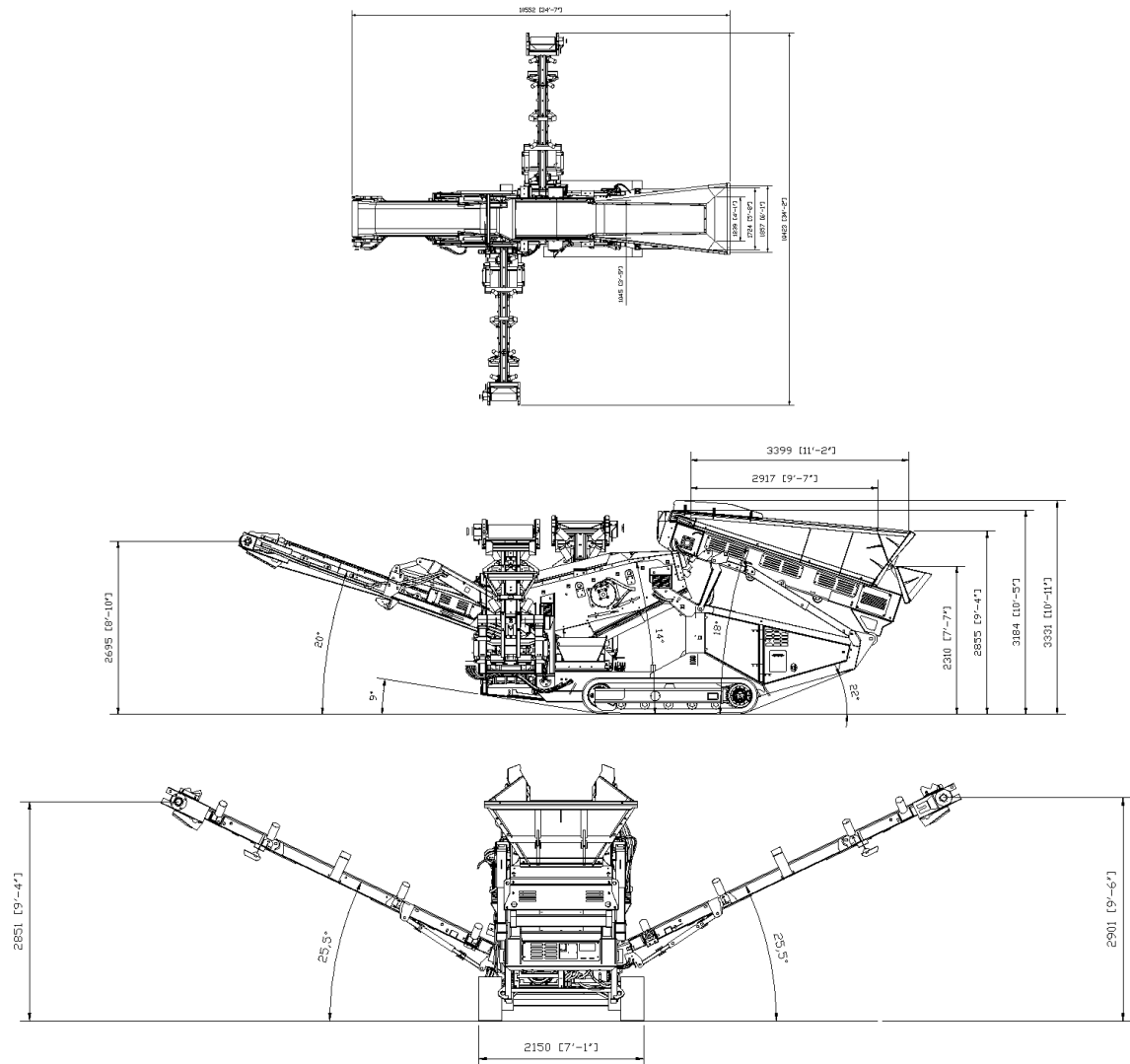


TITAN 600



DIMENSIONS

Figure 1: Titan 600
Working Position



[MORE DIMENSIONS OVERLEAF](#)

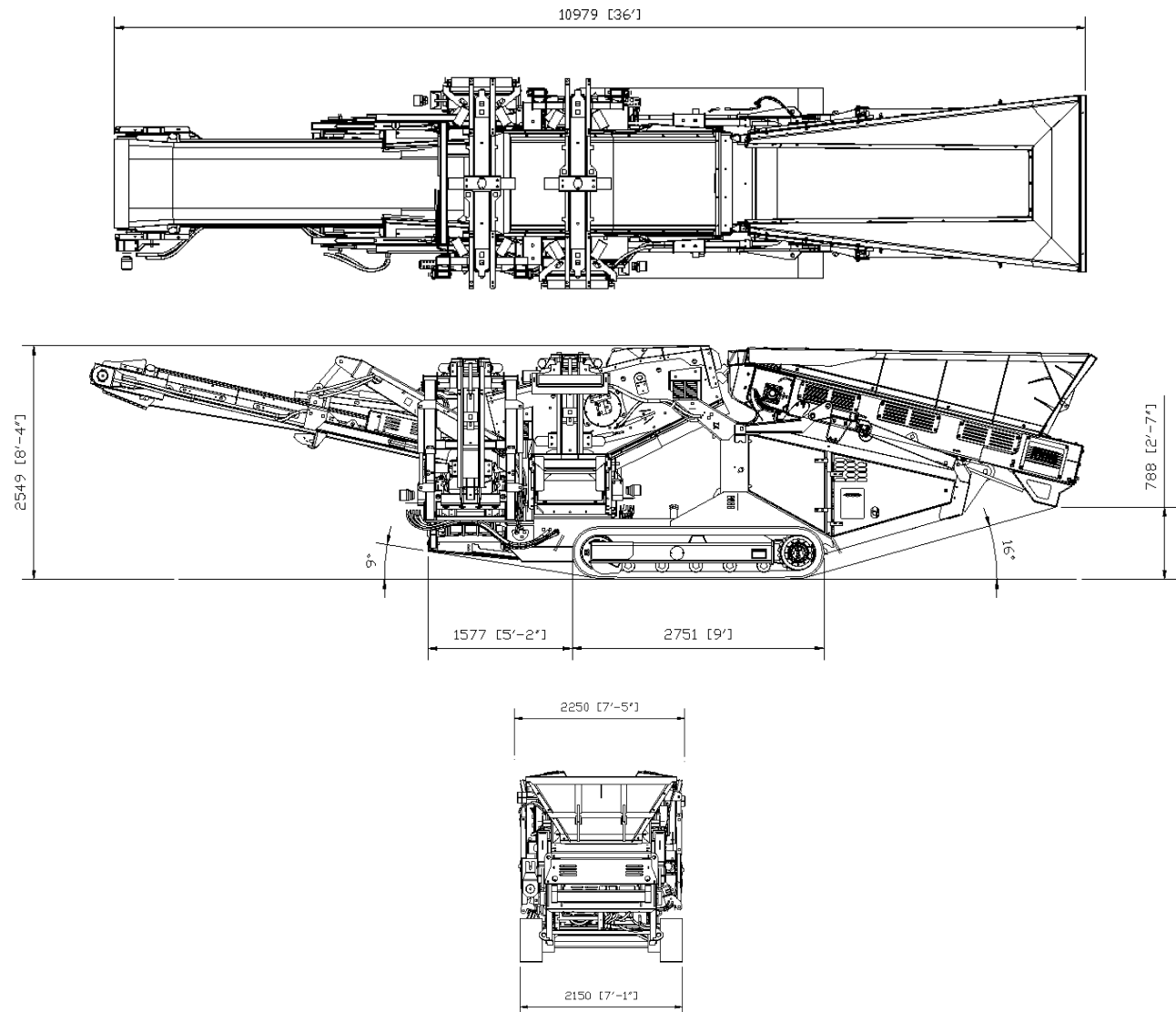


TITAN 600



DIMENSIONS

Figure 2: Titan 600
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.

GET IN TOUCH

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