

Innovation at Work

TRT622

FEATURES AND BENEFITS

EDGE® TRT622

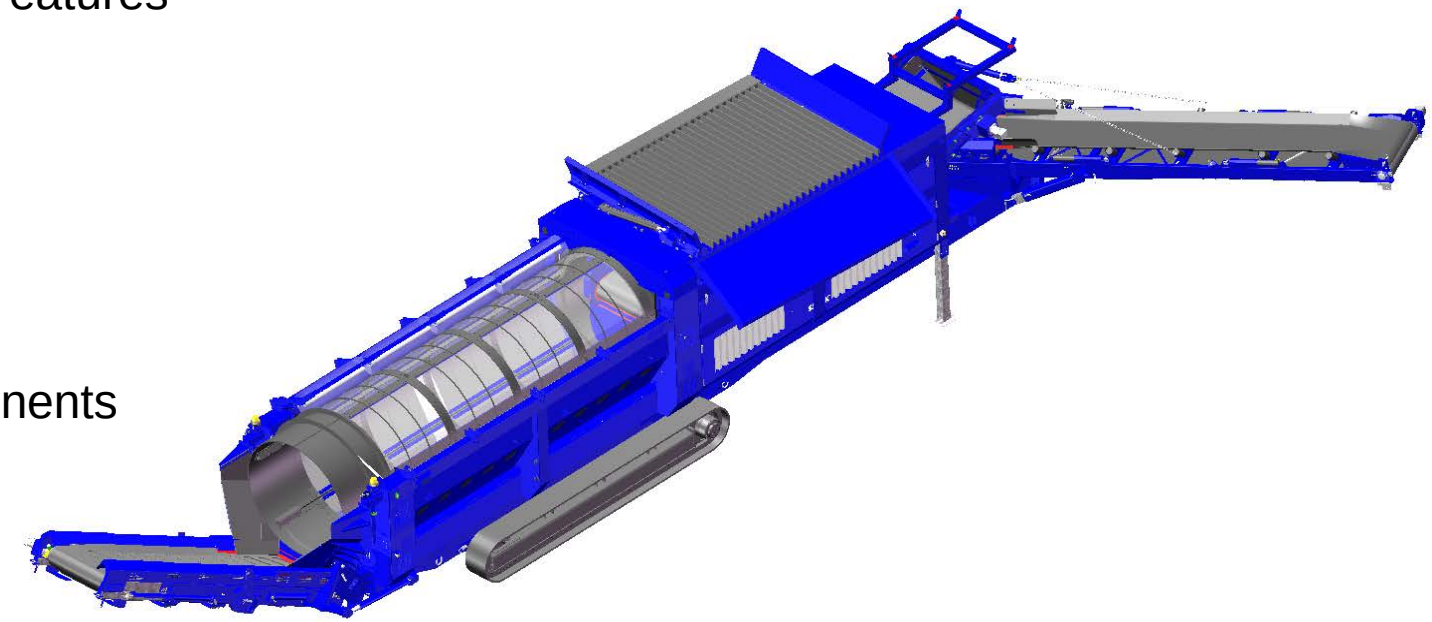
Features & Benefits



EDGE® TRT622

CONTENTS

General Design Features
Hopper
Conveyors
Drum (Barrel)
Powerunit
Tanks
Hydraulic Components
Manual Controls
Control Panel
Tracks
Tracking
Radio Remote Handset
Technical Dimensions
Options List

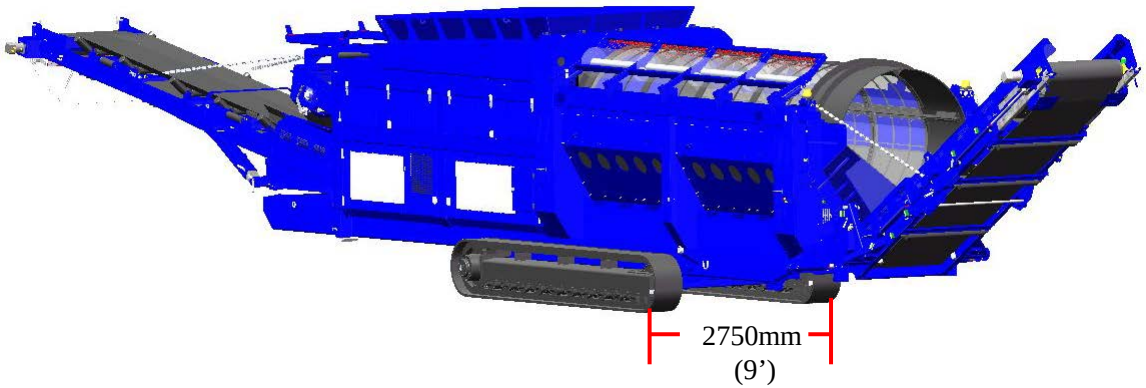


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DESIGN

- Designs features include; a highly efficient hydraulic drive system
- Intelligent hydraulic load sensing system
- 8 function remote control
- Variable discharge height for maximum stockpiling
- Hydraulic jack up for low loader transportation
- Impact bars on oversize conveyor
- 60" wide collection conveyor
- 48" wide feeder belt to minimise material hopper bridging
- Easily removable drum and rapid drum exchange procedure



- Overall stability is improved by a track frame width of: 2750mm(9') and hydraulic galvanised Jacklegs
- Machine durability is provided with conveyor side plate thickness of 6mm (0.24") and conveyor side frame depth ranging from 390mm to 260mm (15"/10").

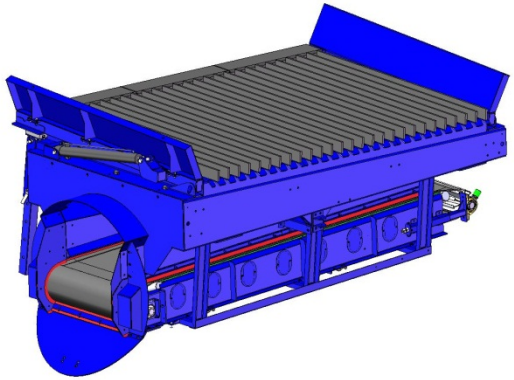
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Hopper

- Hopper Capacity 4.1m³ (145 cubic ft)
- Ability to start fully loaded with material
- 1200mm (48”) wide feeder belt
- Heavy duty centre rollers to take impact from feeding material
- Hopper sides reinforced with box section
- Options of having remote tipping grid or live head.





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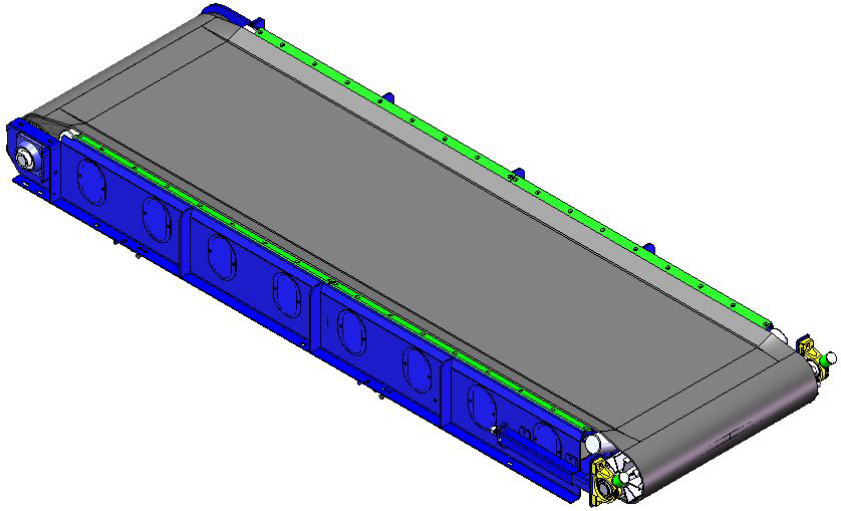
EDGE® TRT622
Feeder Conveyor

- Direct drive system and hydraulic variable speed control. Intelligent hydraulic load sensing system to prevent overload.

- Hydraulically sliding feeder conveyor allows for an easy drum exchange procedure

- Spoked tail drum to prevent foreign objects from damaging conveyor belt.

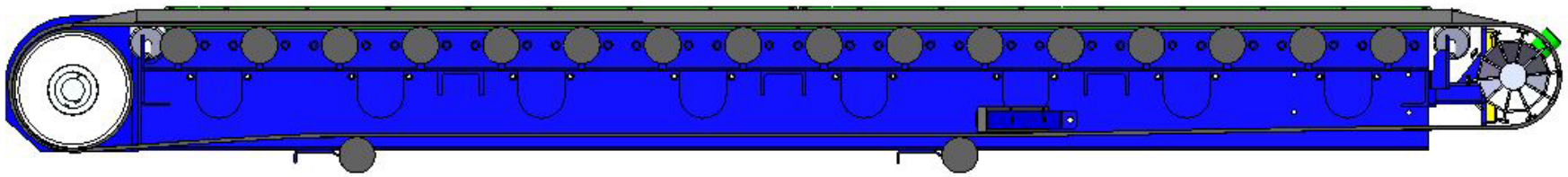
- Internally driven allowing for ease of maintenance.





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Feeder Conveyor

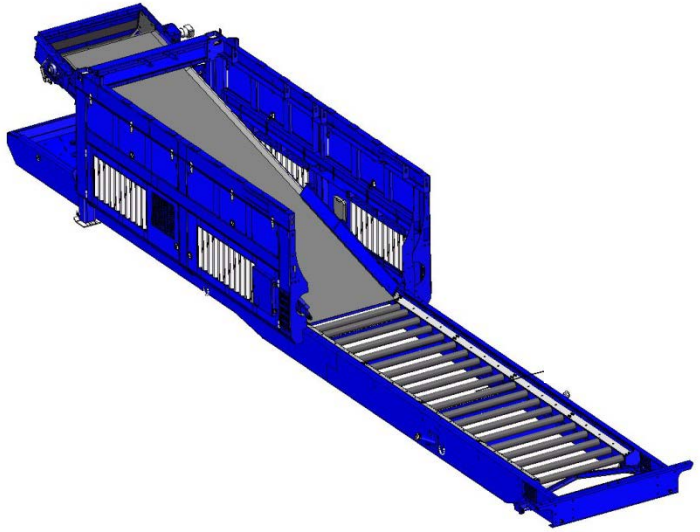


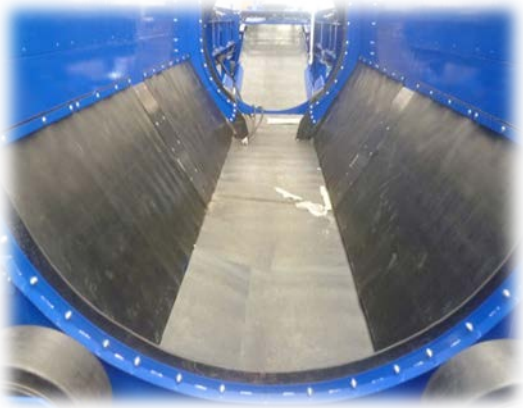
- 1300mm (51”) long diamond lagged drive drum
- 1250mm (49”) long Spoked tail drum
- Belt Length: 9170mm (30’)
- Self lubricating grease system
- Hydraulically driven via a Brevini gearbox and Sauer Danfoss motor

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Collection Conveyor

- New 1500mm (60”) wide conveyor belt.
- Upgraded Belt scraper
- Spoked tail drum to prevent foreign objects from damaging conveyor belt
- Hydraulically driven by a Sauer Danfoss motor

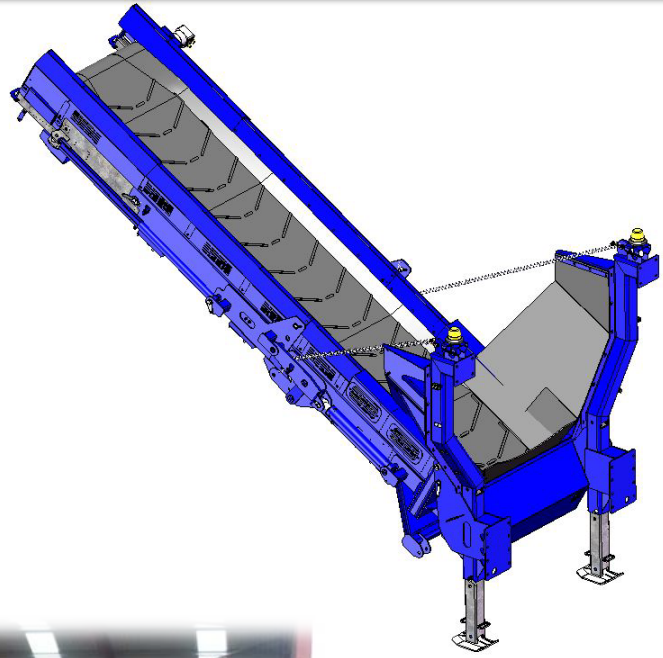






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Oversize Conveyor

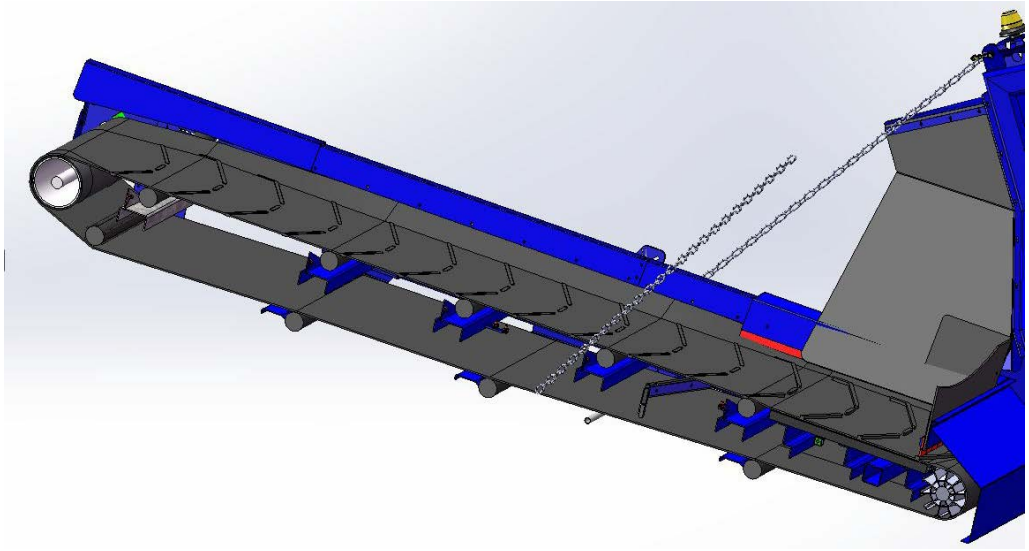


- Galvanised telescopic head section
- Heavy duty 1050mm (42”) wide chevron belt
- Discharge height of 2.8m (9ft)
- Impact bars on oversize conveyor to take the impact from screen material, prolonging the life of the conveyor belt
- Hydraulically folding to give a shorter transport length
- Highly robust design



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EDGE® TRT622
Oversize Conveyor

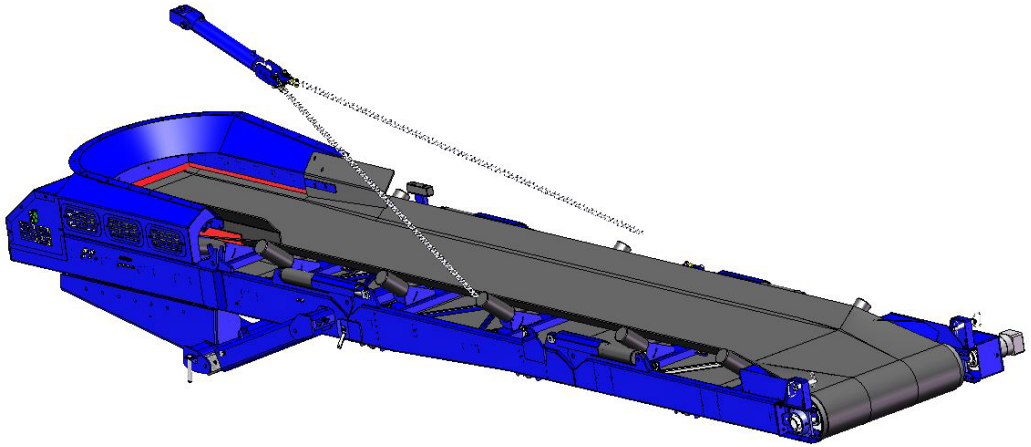


- 1120mm (44”) long diamond lagged drive drum
- 1100mm (43”) long spoked tail drum to prevent foreign objects from damaging conveyor belt
- Belt Length: 11050mm (36’3”)
- Self lubricating grease system
- Hydraulically driven by a Sauer Danfoss motor

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Radial Conveyor

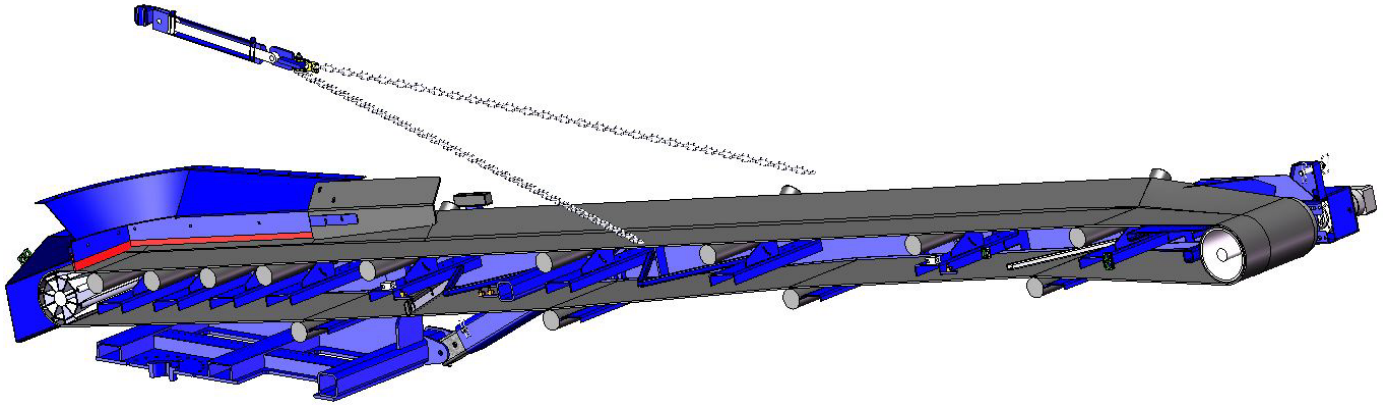
- 1050mm (42”) wide belt.
- 180° Radial swing
- Variable discharge height
- Provides a stockpile volume of 1056m³ (1381 cubic yards)
- Galvanised telescopic supports are fitted with inner and outer high tensile anti-wear bushings.
- Controlled via radio remote
- Hydraulically folding for transport





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EDGE® TRT622
Radial Conveyor



- 1120mm (44”) long diamond lagged drive drum
- 1100mm (43”) long spoked tail drum to prevent foreign objects from damaging conveyor belt
- Belt Length: 15730mm (51’7”)
- Self lubricating grease system
- Hydraulically driven by a Sauer Danfoss motor

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Drum (Barrel)

- 2m (6’7”) drum diameter
- 6.9m (22’6”) drum length
- Screening area of 24.8m³ (32 cubic yards)
- Adjustable screening angle ranging from 0°-5°
- Hydraulic adjustable brushes
- Easily exchangeable drum for maintenance.
- Various aperture meshes, punch plate panels, fully welded punch plate drums with scrolls







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EDGE® TRT622
Drum (Barrel)

- Drum is driven via a hydraulic 4 wheel drive system consisting of four Poclain MS02 398cc displacement motors providing;
- A variable drum speed ranging from 0-24RPM and;
- Reversible drum rotation





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Powerunit

- Powered by a CATERPILLAR C4.4ATAAC ACERT Industrial Power Unit - EPA Tier III / EU, Stage 3A compliant engine
- 96kw (129hp) at 2100RPM
- Idle Speed of 800RPM
- Operational Speed of 1800RPM increasing to 2100RPM whilst tracking
- Low fuel consumption of 12-15 Ltr/hr. (3-4US gallons)
- Powerunit frame can be lowered from main chassis in order to provide access to engine and hydraulic components.



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Hydraulic Tank

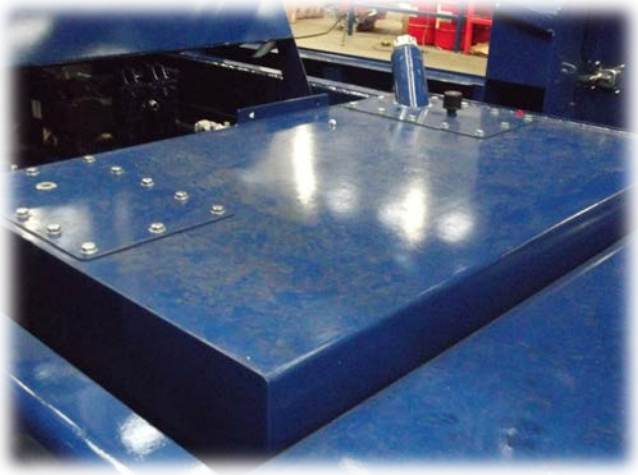
- 950ltr (250USG) Hydraulic Tank
- Filters located at the side of the unit for ease of maintenance
- Multiple stage filtration system ensuring the removal of any foreign particles



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Diesel Tank

- 350ltr (92USG) Diesel Tank
- Industrial size, lockable diesel filler cap
- Easily accessible for maintenance



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Hydraulic Components

- Danfoss Tandem Series 45 variable displacement pumps (900cc/rev)
- Provides power to two Sauer Danfoss PVG Valves which in turn control the conveyors, drum and tracks
- Cetop 3, double acting blocks allows for the jacklegs and raise/lower chassis to be activated via radio remote or control panel
- All major hydraulic components are easily accessible for the purpose of maintenance







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Manual Controls

- User-friendly manual controls for set-up and operation
- Each control lever is clearly identified by operational decals.

Depending on options specified. Control lever functions on the Trommel include;

- Drum Angle
- Raise/Lower Cleaning Brushes
- Oversize raise/lower, fold in/out and to extend/retract the Oversize conveyor head section.
- Position of the Feeder conveyor.
- Swivelling of the Radial conveyor, raise/lower tilt table, raise/lower radial conveyor, raise/lower Radial conveyor support, fold/unfold Radial mid-section and fold/unfold Radial conveyor head section.



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HMI Control Panel

- The HMI Control Panel Interface provides easy fine tuning for accurate application performance.
- HMI interface screen allows for automatic start / stop operation & to run each function individually
- Engine load, PVG valve pressures, hydraulic oil temp & fuel consumption displayed while machine is still operating.
- All engine info & diagnostic faults accessed through screen



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HMI Main Menu



This is the Main Menu, from here the user may enable certain functions or navigate to various other menus by pressing the appropriate button

1. Run Menu
2. Machine Setup/Tracking Menu
3. Fault Log Menu
4.User Program Settings
5. Siren Test/Radio Active
6. Engine Feedback Screen
7. Information Screen
8. System Settings

Left Arrow - Decrease engine speed
Right Arrow - Increase engine speed

In the centre of the screen are 3 gauges top is the Fuel gauge, centre is the engine water temp and at the bottom is the current engine speed.

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Tracks

- Full site mobility provided through the hydraulic driven crawler tracks
- Track Length of 5046mm (16’6”)
- Track Shoe Width of 400mm (16”)
- 2100RPM can be utilised to drive tracks



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Tracking

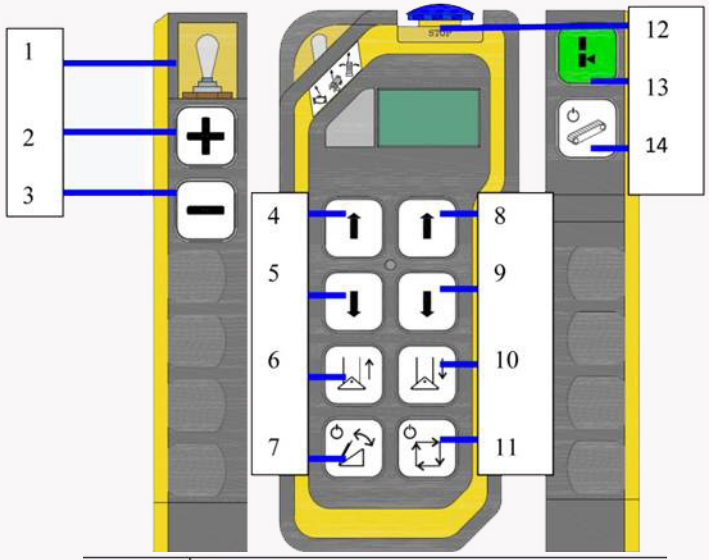
- Trommel can be tracked via the radio remote or doglead.
- The Doglead is an independent unit that tracks the movement of the machine.
- The manual doglead can be used in any screen, to activate the user should switch on the handset by pressing the On/Off switch.
- A siren will sound to alert that the tracking mode is active and after a 7 second delay the tracks may be operated by pressing the directional switches.



ITEM 1: Engine Stop Button
ITEM 2: Tracks On/Off Switch - A green L.E.D. will illuminate when the switch is in the on position
ITEM 3: Right hand track forward/reverse switch
ITEM 4: Left hand track forward/reverse switch

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Radio Remote Handset





No	Description
1	Engine/Feeder/Radial Selector Switch
2	Increase/Right
3	Decrease/Left
4	Left Track Forward*
5	Left Track Reverse*
6	Jackleg Raise
7	Tip Hopper
8	Right Track Forward*
9	Right Track Reverse*
10	Jackleg Lower
11	Auto Cycle On/Off
12	Transmitter Off / Engine Stop
13	Transmitter On
14	Track Enable *

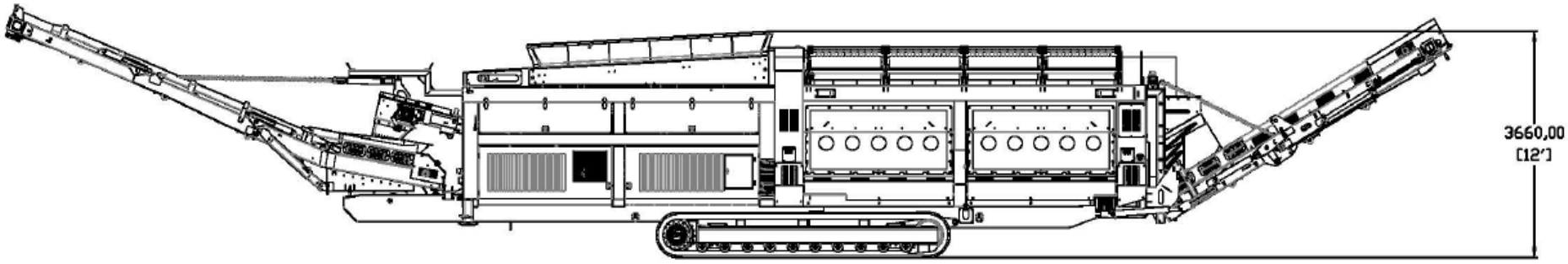
A number of features can be controlled via the radio remote. Including;

- Start / Stop machine functioning
- Tracks
- Tipping grid with timed up / down function
- Raise / lower chassis or jacking legs
- Variable engine speed 800 – 2100RPM
- Rotate radial conveyor
- Variable feeder speed
- Machine shutdown button

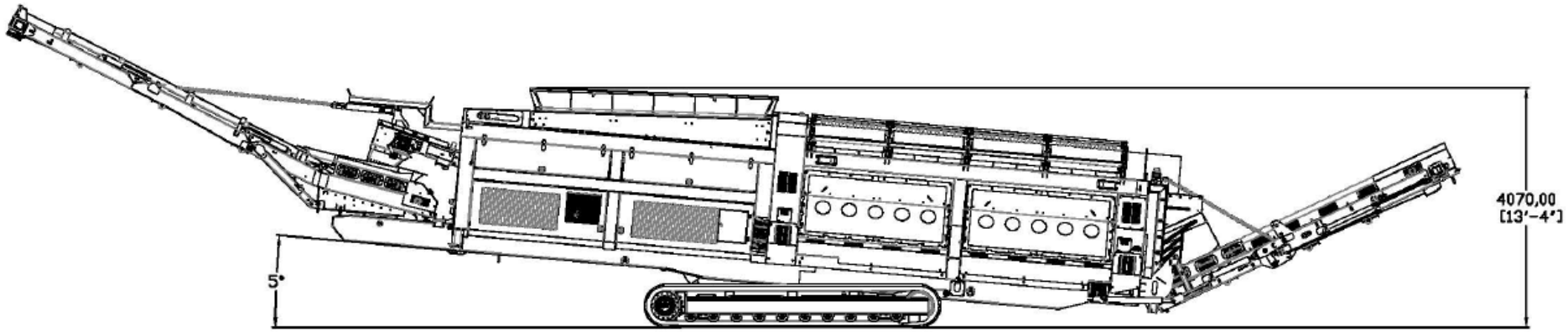
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Working Dimensions



Minimum Load Height

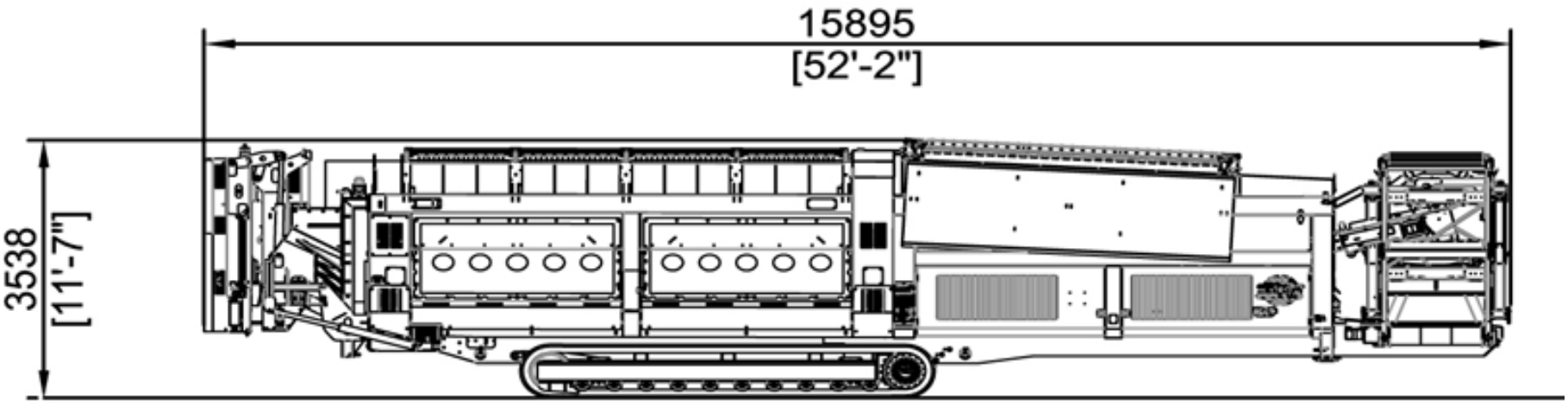


Maximum Load Height

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Transport Dimensions





Oversize conveyor transport position

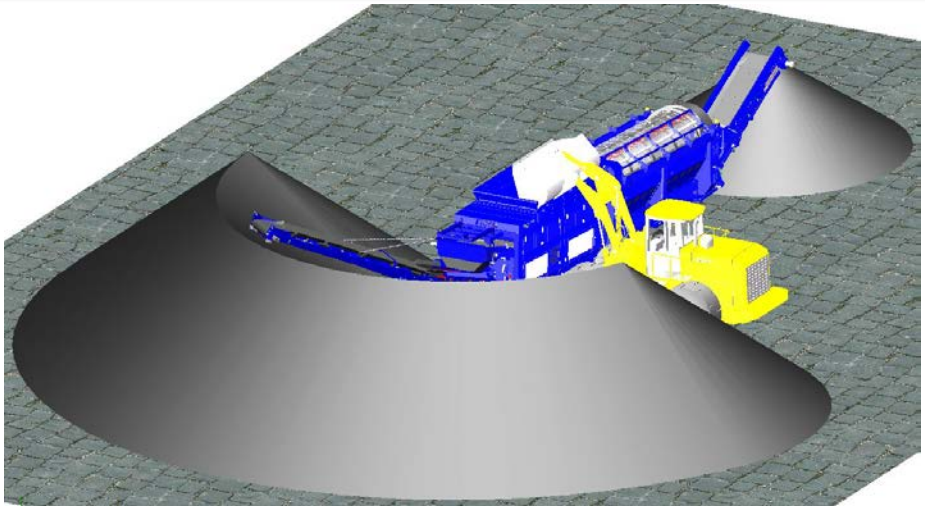


Radial conveyor transport position

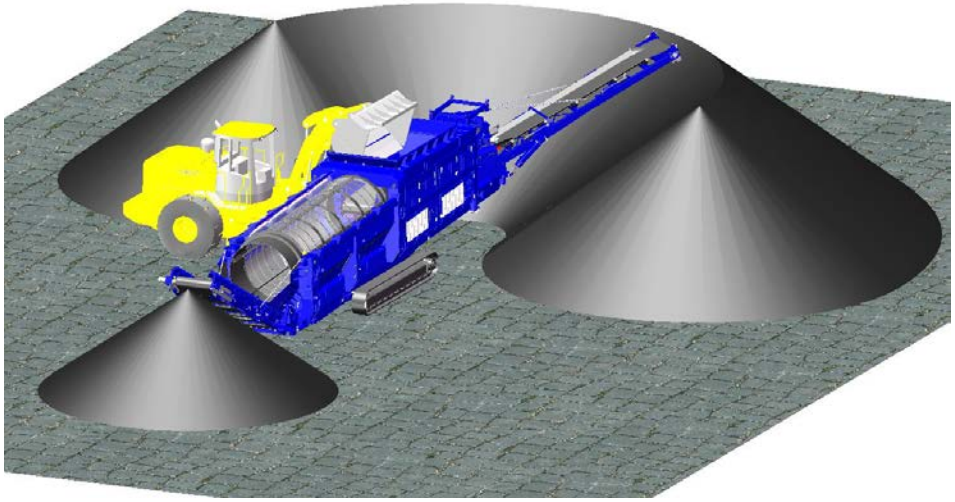
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Stockpile Volumes



Radial Stockpile Volume: 1056m³ (1381 cubic yards)



Oversize Stockpile Volume: 34m³ (44 cubic yards)

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Options List

Magnetic Head Drum (Radial)



Multiple Drums and Screen combinations



Remote Tipping Grid with various apertures



- Vibrating grid with remote control tipping
- Reversible fan
- Hydraulic blowers / air knives
- Remote control to radial conveyor
- Impact Bed/Rollers in Feeder Conveyor
- Hardox lined Hopper
- Grease lines
- Auto-Lube system
- Heavy Duty Belts
- Double cleaning brushes
- Auxiliary couplings
- Tipping grid / Vibrating grid deflector chute
- Dust suppression system

Overband Magnet



http://www.youtube.com/watch?v=04WzlsCXD9Q&feature=share&list=UUeA3ZS_1D5Bx1__ijELDWtA

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EDGE® FS-SERIES



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