

QE341 MOBILE SCALPER

FEATURES & BENEFITS



Feed hopper

Screenbox

Conveyors

Controls

Engine

Tracks

Dimensions

Standard feature

Options

Benefits overview



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FEED HOPPER

- New heavy duty one-piece rigid hopper enables quicker set-up times.
- Hopper level capacity of 7m³ / 9.1yd³
- Hopper slide locking pin accessible via step on chassis
- Split rear door can be lowered for direct feeding
- Feeder radio remote fitted as standard
- Optional hydraulic folding extensions for wheel loader feeding
- Optional rear stabilising legs



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APRON FEEDER

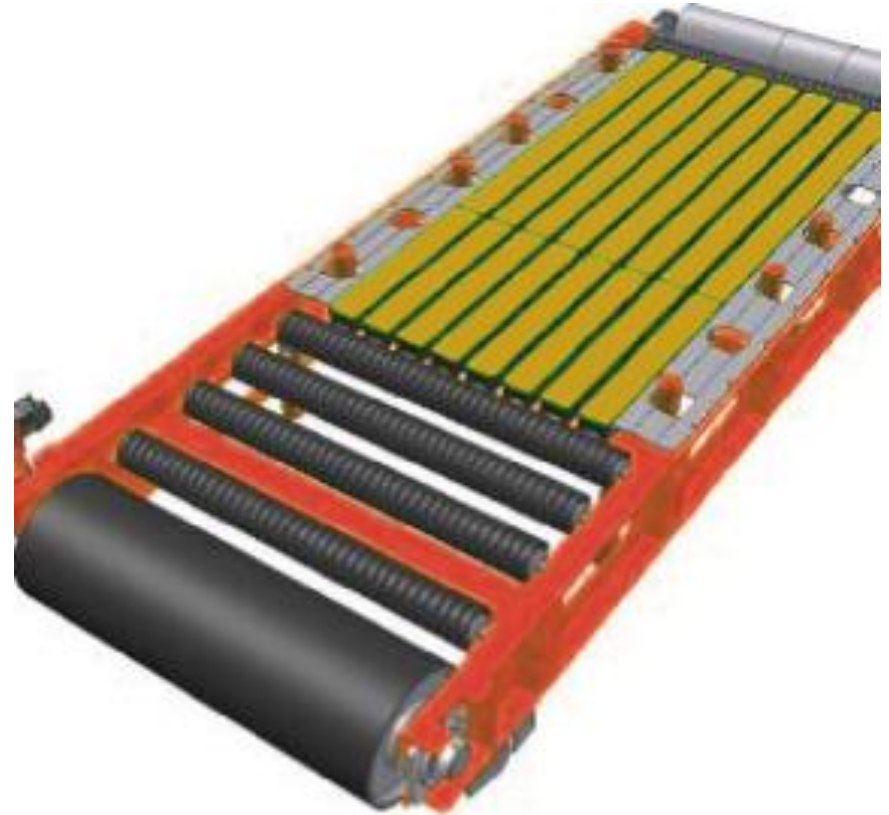
- Apron feeder fitted as standard
- Proven apron plate feeder design with wear resistant track pads
- Designed to accept rough feed material and ensure a smooth delivery to screenbox
- Variable speed control
- Remote greasing banks
- Full length Teflon spillage chute fitted under apron, directs spillage away from power pack



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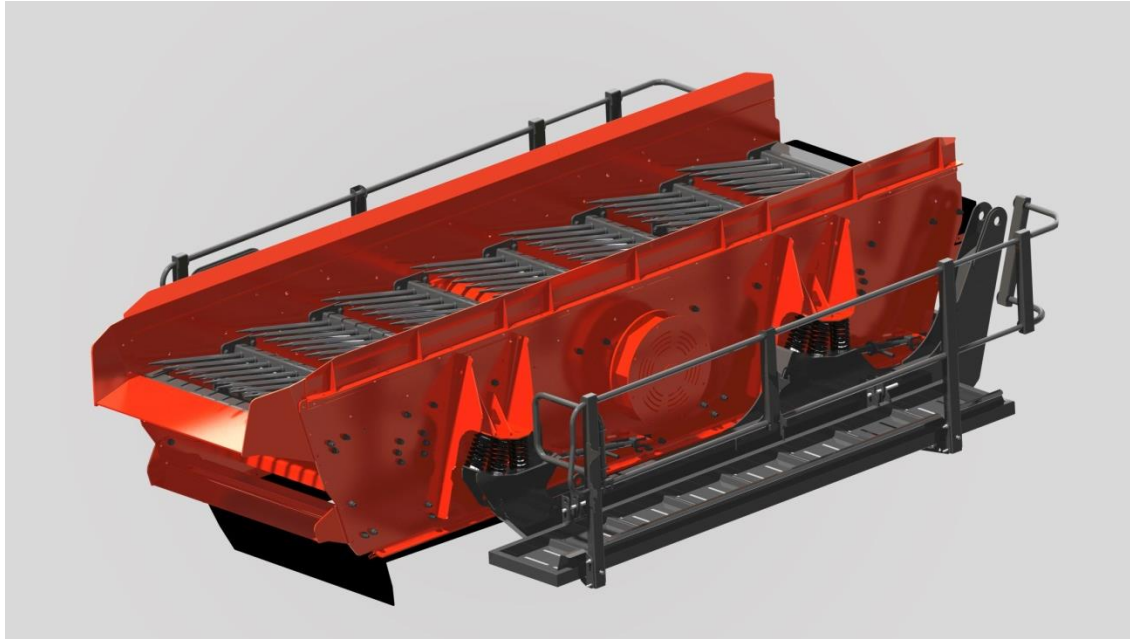
BELT FEEDER OPTION

- Belt feeder cassette fitted with a heavy duty rubber belt, fitted in place of apron feeder cassette
- Loading area is supported by impact bars which absorb impact under belt and prolong the life of the belt.
- Utilise in applications with non sharp materials where high fines contents may be present



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SCREENBOX



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SCREENBOX

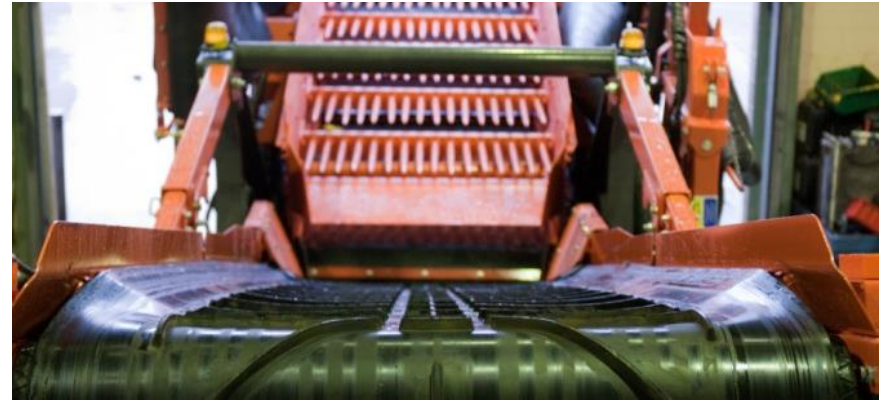
- One degree increase in maximum screen angle to allow material to cascade more effectively ($11^{\circ} - 17^{\circ}$)
- QE440 style jack-up screen mechanism to allow better access to bottom deck for maintenance.
- Wider screenbox outlets for unrestricted oversize material flow



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SCREENBOX

- 4700 x 1446mm / 16' x 5' screenbox
- 9mm throw and 1030rpm shaft speed ensuring a highly aggressive action
- All screen media remains interchangeable with QE340



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TOP DECK TYPES



Tine assembly



Grizzly screen assembly



Punch plate assembly



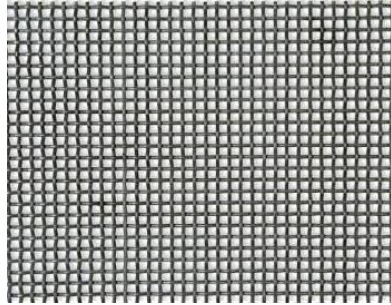
Impact plate on to fingers

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BOTTOM DECK TYPES



Square mesh



Elongated mesh



Finger deck

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OVERSIZE CONVEYOR

- Belt width increased to 1400mm / 55" wide for increased oversize material flow
- 15% increase in conveyor length allows for a 60% larger stockpile and more clearance for stockpile clearing with wheel loader
- Conveyor angle is adjustable from 16°- 24°



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OVERSIZE CONVEYOR

- Tail conveyor folds over the top for transport and for improved ground clearance
- Skirting remains in place for transport and quicker set up time
- One standard conveyor ensures the 3 way to 2 way split conversion is made simpler
- Fixed pivot, reducing set-up time and conversion time



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FINES COLLECTOR CONVEYOR

- Disc return roller and guarding positioned to avoid material blockages
- Updated belt scraper
- Speed wheel fitted to monitor belt slip
- Load sensing facility, monitors fines & collector circuit, feeder pauses in the event on a pressure spike



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FINES CONVEYOR

- Discharge height of 4238mm / 13' 11" for increased stockpile capacity.
- Conveyor now angle adjustable from 22°- 26°
- Belt adjustment moved to the tail drum for easier and safer maintenance
- Disc return roller and guarding positioned to avoid material blockages
- The pivot and spine are designed to ensure maximal strength



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MID SIZE CONVEYOR

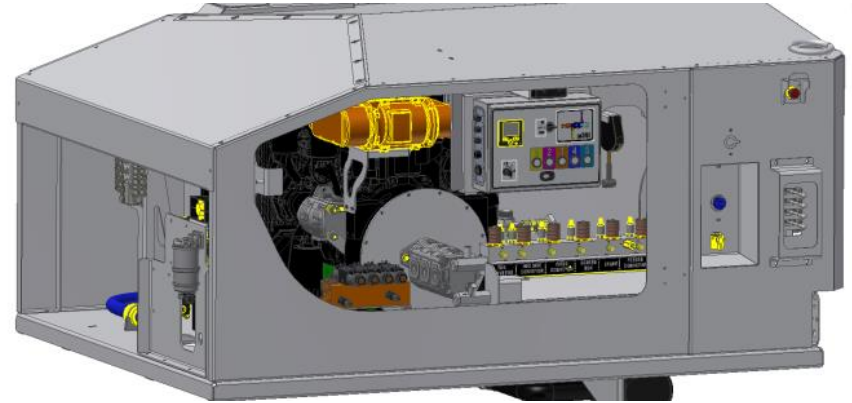
- 800mm / 31½" conveyor width and 4059mm / 13' 4" maximum discharge height providing excellent stockpile capacity
- Angle adjustable from 15°-26°
- Belt adjustment at the tail drum for easier and safer maintenance
- Tail drum protected in chassis and tail section now at fixed angle
- Tail drum protected within chassis frame
- Reduced setup time
- Reduced risk of conveyor damage when tracking
- Stronger design at the pivot and spine



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POWER PACK & CONTROL SYSTEM

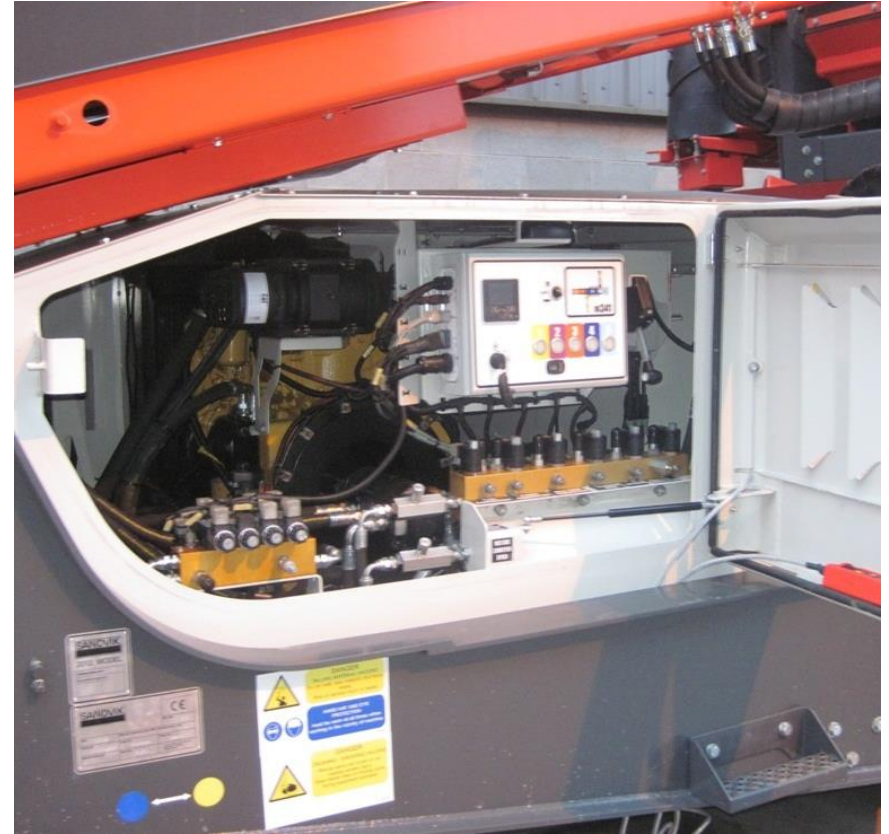
- To ensure compliance with the latest regulations the QE341 is equipped with audible and visual pre-start warnings on all plant functions and engine cranking
- Colour coded numerical push button functions
- Improved graphics through visual display unit
- Select operation mode using one simple switch
- Choose between set-up, operation or tracking
- One-touch sequential auto start / stop facility



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ENGINE

- Powered by CAT C4.4 engine
- Developing 74.5kW / 100hp at 2200rpm
- The engine complies with all current emission laws
- The average fuel consumption is 10-14 L/H / 2.5-3.5 USG/H
- Power pack provides easy access for maintenance via three canopy doors



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PLANT OPERATION

- Hydraulic oil cooler fitted as standard is temperature controlled for more efficient use of power.
- Fail safe engine coolant level sensor fitted for added security and protection.
- Rigid and spacious hydraulically folding walkways allowing easy access for maintenance and inspection
- Ergonomically designed incline ladders for easy and safe access onto walkways



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HYDRAULIC TANK

- 460 litre / 122 US Gal hydraulic tank
- Multi stage filtration system to ensure all debris is removed on every cycle
- Filters located at the top of the unit for ease of maintenance



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FUEL TANK

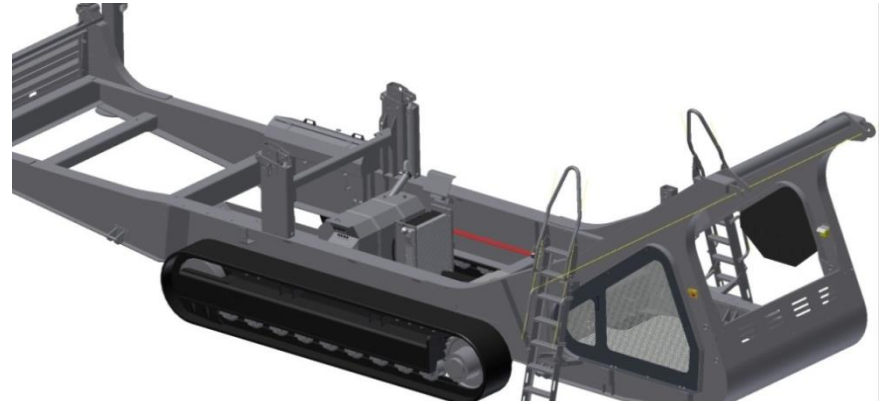
- New steel diesel tank with twin filler enables filling from either side of the machine for greater versatility
- 230 litre / 61 US Gal diesel tank giving two complete shifts of continuous operation
- Optical diesel level gauge
- Heavy duty industrial size filler caps



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CHASSIS

- New optimised crusher-style chassis
- Versatility:
 - Designed to be compatible for 2 or 3-way split
 - Reversible side conveyors (field operation)
- Jack-up screen facility and screen angle rams common with the QE440
- Clearance between oversize belt and chassis cross member of 1005mm / 39½"
- CE compliant guarding, stepladders and hydraulics
- Optional rear stabilising legs



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TRACKS

- Hydraulically driven crawler tracks for full site mobility
- Full power of the engine is available for driving the tracks when needed
- Length of 3310mm / 10' 10"
- Track shoe width 400mm / 16"



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TRACKING

- Radio controlled tracks are fitted as standard.
- Tracking is possible by either:
 - Wireless radio controller
 - Wired umbilical
- Umbilical now features Can bus for better fault finding



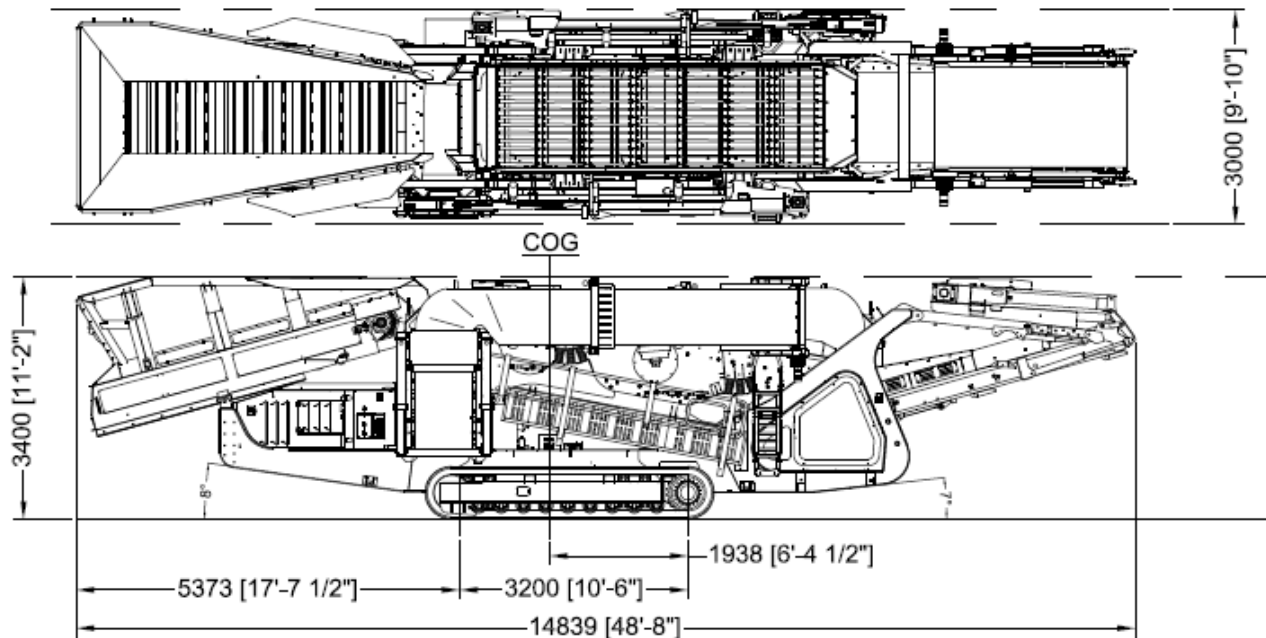
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TRANSPORT DIMENSIONS

Transport length	14,839mm / 48' 8"
Transport width	3,000mm / 9' 10"
Transport height	3,400mm / 11' 2"
Standard weight	29,770kg / 65,631lbs

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TRANSPORT DRAWINGS



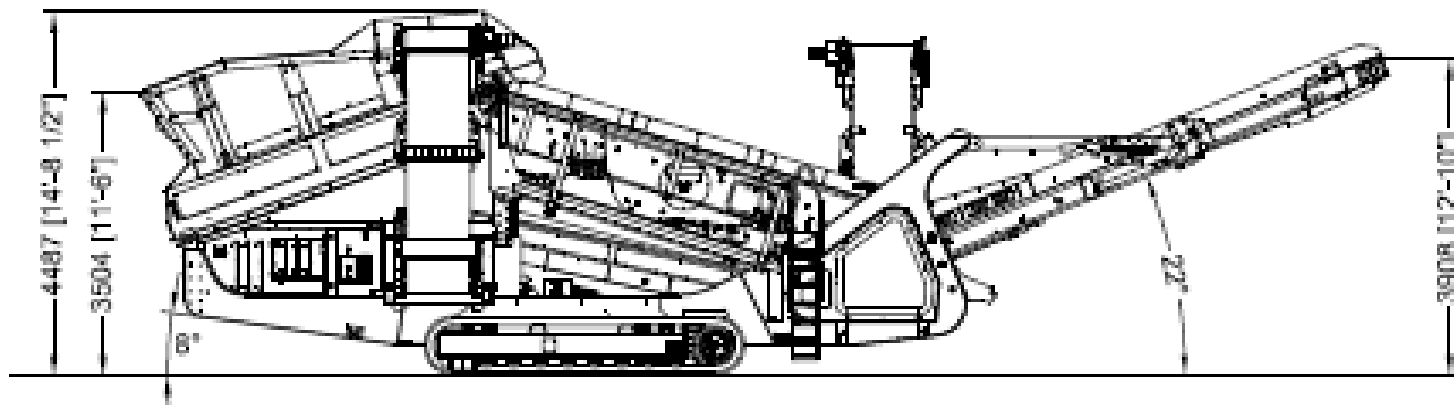
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WORKING DIMENSIONS

Working length	15,436mm / 50' 7"
Working width	14,505mm / 47' 7"
Working height	4,487mm / 14' 7"
Standard weight	29,770kg / 65,631lbs

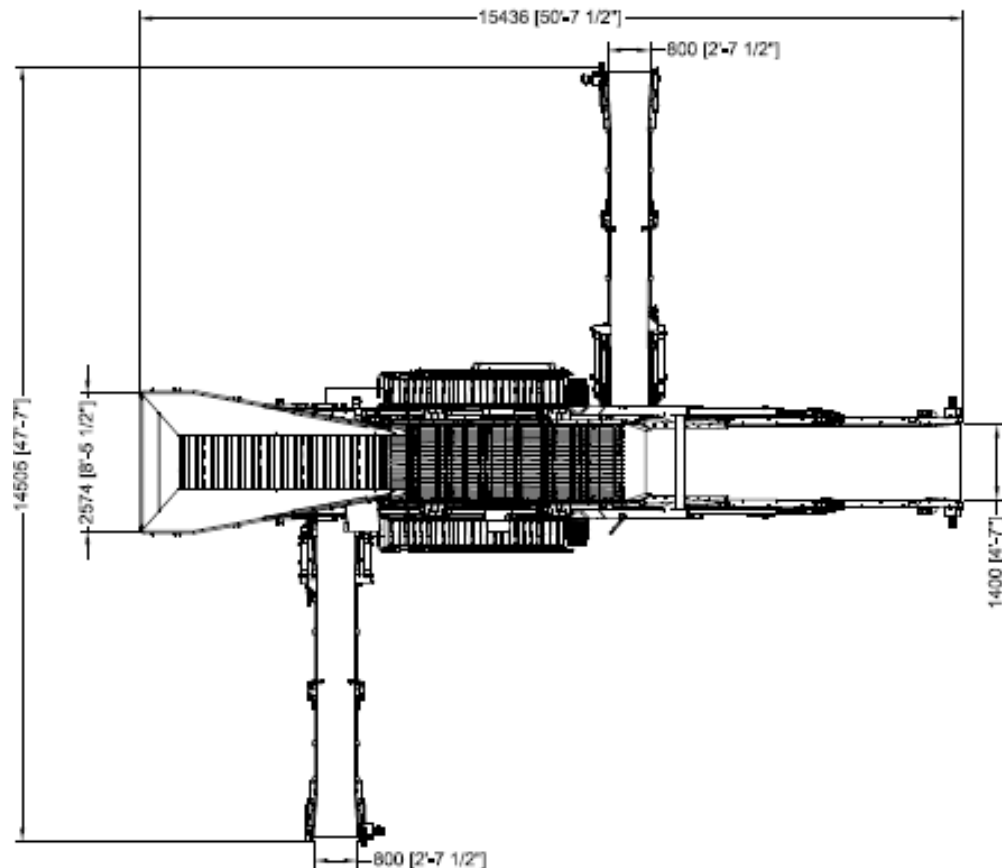
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WORKING DRAWINGS



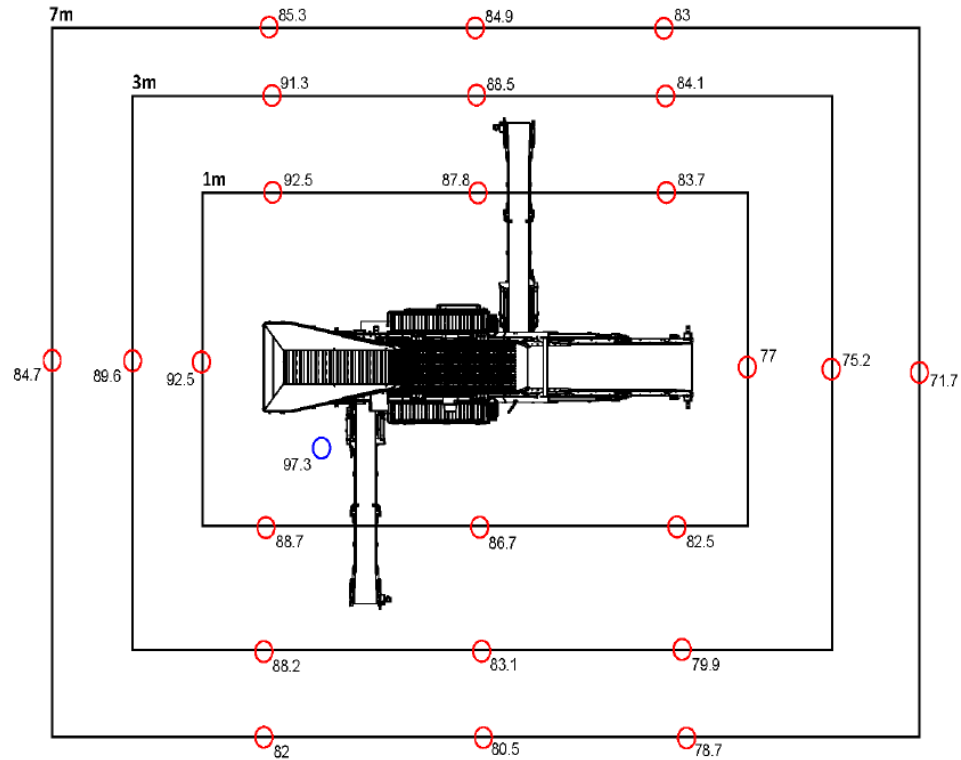
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WORKING DRAWINGS



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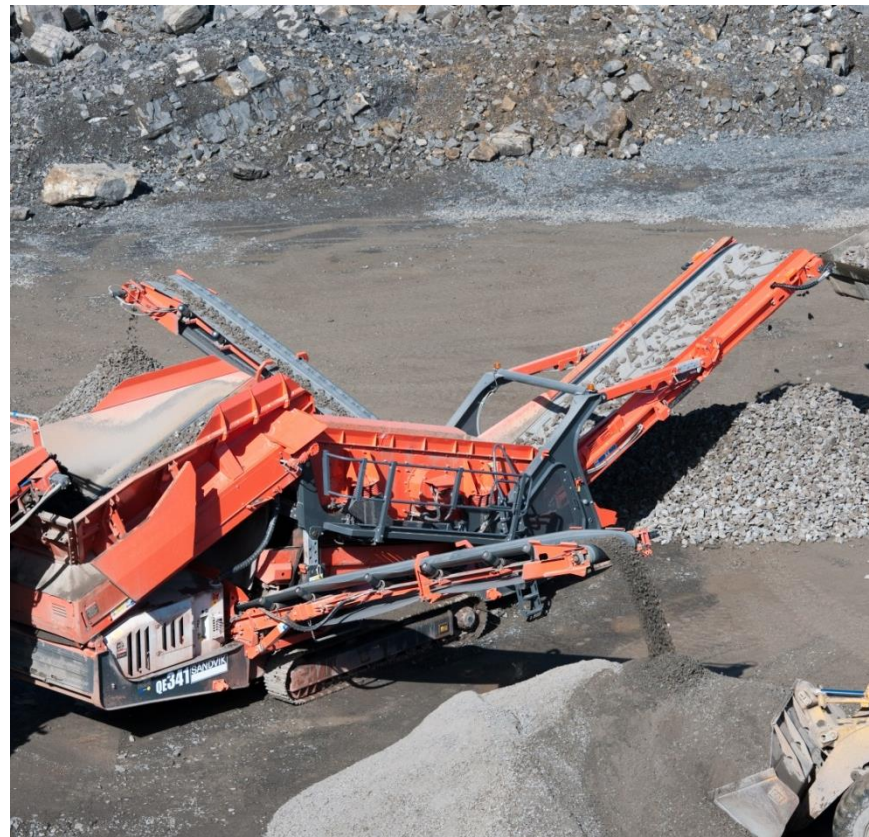
NOISE EMISSIONS



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STANDARD FEATURES

- Apron feeder complete with one piece wear resistant hopper
- 4700 x 1446mm / 15' 5" x 4' 9" double deck screenbox
- Screen media – choice of top deck mesh, punch plate or grizzly
- Bottom deck mesh
- Three adjustable, hydraulic folding conveyors
- Hydraulic folding walkways
- Hydraulic drive oil cooler
- CAT C4.4 engine
- Colour-coded push button control panel with sequential start up
- 400mm / 16" wide tracks
- Radio control tracking



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AVAILABLE OPTIONS

- Central auto lube (conveyors / screen)
- Remote diesel pump
- Water pump inc spray bars (mids and fines)
- -20°C (-4°F) Arctic package
- -30°C (-22°F) Arctic package
- Mesh on top deck
- Mesh on bottom deck
- Punch plate onto top deck tines
- Wear resistant liners in hopper & side conveyor feed boots
- Pull cords on all conveyors
- Canvas covers and brackets (mids and fines)
- Dust suppression spray bars (mids and fines)
- Lighting masts
- Punch plate on top deck
- Bofar steel grizzly on top deck
- Bofar steel grizzly and top deck punch plate
- Heavy duty tines on top deck
- Cascade fingers on bottom deck
- Belt feeder
- Two way split Configuration

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MEDIA OPTIONS LIST

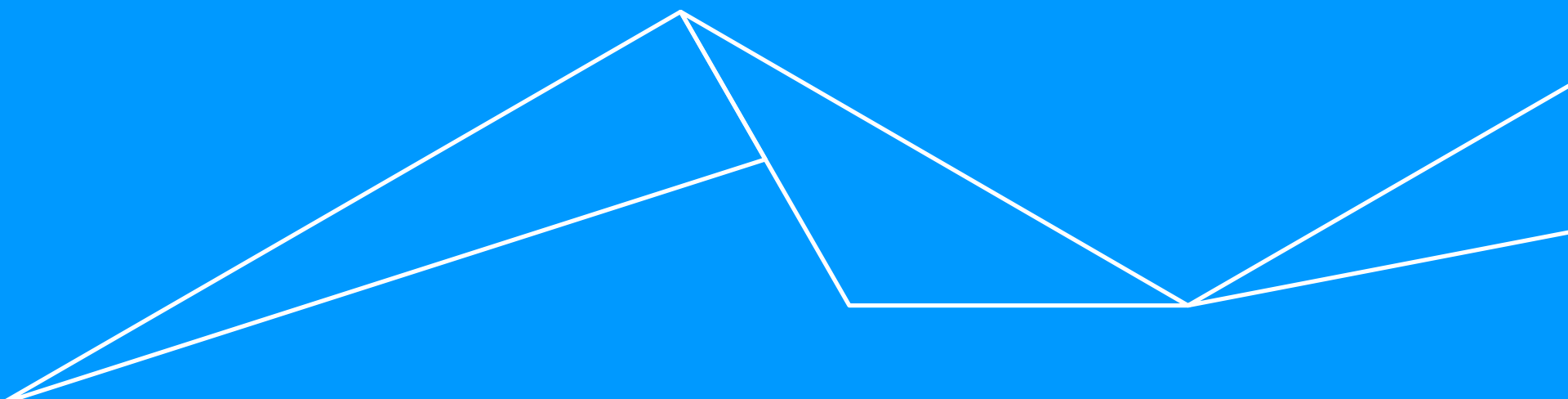
- Mesh on top deck
- Punch plate top deck
- Impact plate (50, 75, 100mm) onto tines (30, 40, 50, 60, 75, 100mm)
- Bofar steel grizzly on top deck (75, 100, 125, 150mm)
- Heavy duty tines on top deck (30, 40, 50, 60, 75, 100, 125, 150mm)
- Mesh on bottom deck
- Cascade fingers on bottom deck (10, 15, 20, 25, 30, 40, 50, 60, 75mm)

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BENEFITS OVERVIEW

- Heavy duty scalper with class leading open scalping area delivering enormous rates of production
- Wear resistant steel apron feeder as standard for maximum durability and performance
- Massive stockpiling capability with over-wide conveyors to maximise delivery
- User friendly control panel with sequential start-up for ease of operation
- Quick set-up times with one piece wear resistant rigid hopper





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