

MARK II
Technical Specification



**INTRODUCING THE
MARK II RINSER
TECHNICAL SPECIFICATION**



All specifications subject to change without prior notice.

MARK II

Technical Specification

The Powerscreen Mark 2 is a mobile screening plant and can maintain a maximum throughput of up to 250 Tons (280 US Tons) per hour.

The machine consists of a feeder (this can be either beltfeeder or trayfeeder), a main conveyor and a two deck screen unit.

Features

• Towing/working length :-	16.6 m	(54'6")
• Width :-	2.5 m	(8'2")
• Working Height :-	5.6 m	(18' 5")
• Grid Area :-	1.6 m x 3.0 m	(5' 3" x 10')
• Approx. Weight :-	8,900 kg	(9.81 lbs)
• Hopper Capacity Beltfeeder:-	5.3 m ³	(6.95 yd ³)
• Hopper Capacity Trayfeeder:-	4.9 m ³	(6.4 yd ³)
• (including grid):-		
• Hydraulic System Capacity :-	182 litres	(40 gals)
• Diesel Tank Capacity :-	73 litres	(16 gals)
• Engine Size :- Standard	27.5kW (37 Hp)	
Shredder	37kW (50 Hp)	

Advantages

- High capacity, up to 150-200 TPH, (depending on mesh sizes and material type).
- Maximum mobility with fifth wheel, jacking legs, road wheels, brakes.
- Optional remote control tipping grid.

Applications

- Sand and gravel
- Topsoil
- Coal
- Crushed stone
- Recycling

Options

- Hydraulic tipping grid
- Hopper Extensions
- Adjustable hopper door
- Shredder
- 3 Deck Rinser

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Hopper & Grid:



- Adjustable angle tipping grid with integral loading, wing plates and self cleaning grid bars.
- Grid opening 1.6 m x 3.0 m (5' 3" x 10')
- Grid aperture: 102mm (4") or 150mm (6")
- Hopper Capacity Trayfeeder:- 4.9 m³ (6.4 yd³) including grid
- The hopper may be fitted with a manually tipped reject grid which is normally set at 100 mm (4") aperture.

Shredder:

- Optional, single shaft, flail type shredder designed for use in top soil applications.

Feed Conveyor:



- A reciprocating tray feed model complete with towbar . The feeder tray is driven via a chain /sprocket arrangement from the main conveyor bottom drum - this synchronises reciprocating action with main conveyor belt speed.

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- Conveyor Belt :- 2 ply x 650 mm (25.5") wide
- Drums outside diameter :- 273 mm (10.75")
- Drum centres :- 2.8 m (9.3")
- Max Feeder Conveyor Belt Speed:- 20 m/min (empty)
- Drum speed variation 0-24 rpm

Main Conveyor:



- 650mm (26") wide conveyor with 30° roller to prevent spillage
- Conveyor Belt :- 2 ply x 650 mm (25.5") wide
- Drums outside diameter :- 273 mm (10.75")
- Drum centres :- 12 m (40')
- Drum speed -empty - 125 RPM
 -full- 115 RPM
- Conveyor Belt speed -empty- 107 m/min (351ft/min)
 -full- 100 m/min (328 ft/min)

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Standard Powerunit & Hydraulics:



- Standard Diesel engine: developing 41kw (55Hp) at 2200rpm
- Flywheel pump1: 70cc/rev each circuit
- Feeder Motor: 315 cc/rev
- Main conveyor Motor: 400 cc/rev
- Screen Motor: 146 cc/rev
- Single shaft shredder 146 cc/rev
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All pumps are cast iron. Flywheel pumps have clockwise rotation

A & B PTO pumps have anticlockwise rotation

Tank Capacities:

- Hydraulic tank: 182 litres (40 gals)
- Diesel tank: 73 litres (16 gals)

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Road Transport:



- Wheels: 7.50 x 16 x 16 ply
- Lateral Protection: Optional extra.
- Lights: Optional extra.
- Hydraulic jacking legs to decrease set-up time
- 5th wheel kingpin

10x5 & 12x5 Rinser Screenunit



- 8' x 4' (2.4 x 1.2m) double deck, 4 bearing, free floating screen box
- 8' x 4' (2.4 x 1.2m) triple deck, 4 bearing, free floating screen box (Optional)
- Side tension mesh.
- 5 top deck & 5 bottom deck spray bars.
- Wash box c/w spray bar
- 100mm (4") water feed pipe
- Part rinser

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Catch box :



One grade or two grades of sand can be produced.
Fixed division plate
2 8" outlet
Single or Double grade catch box with option rubber lining

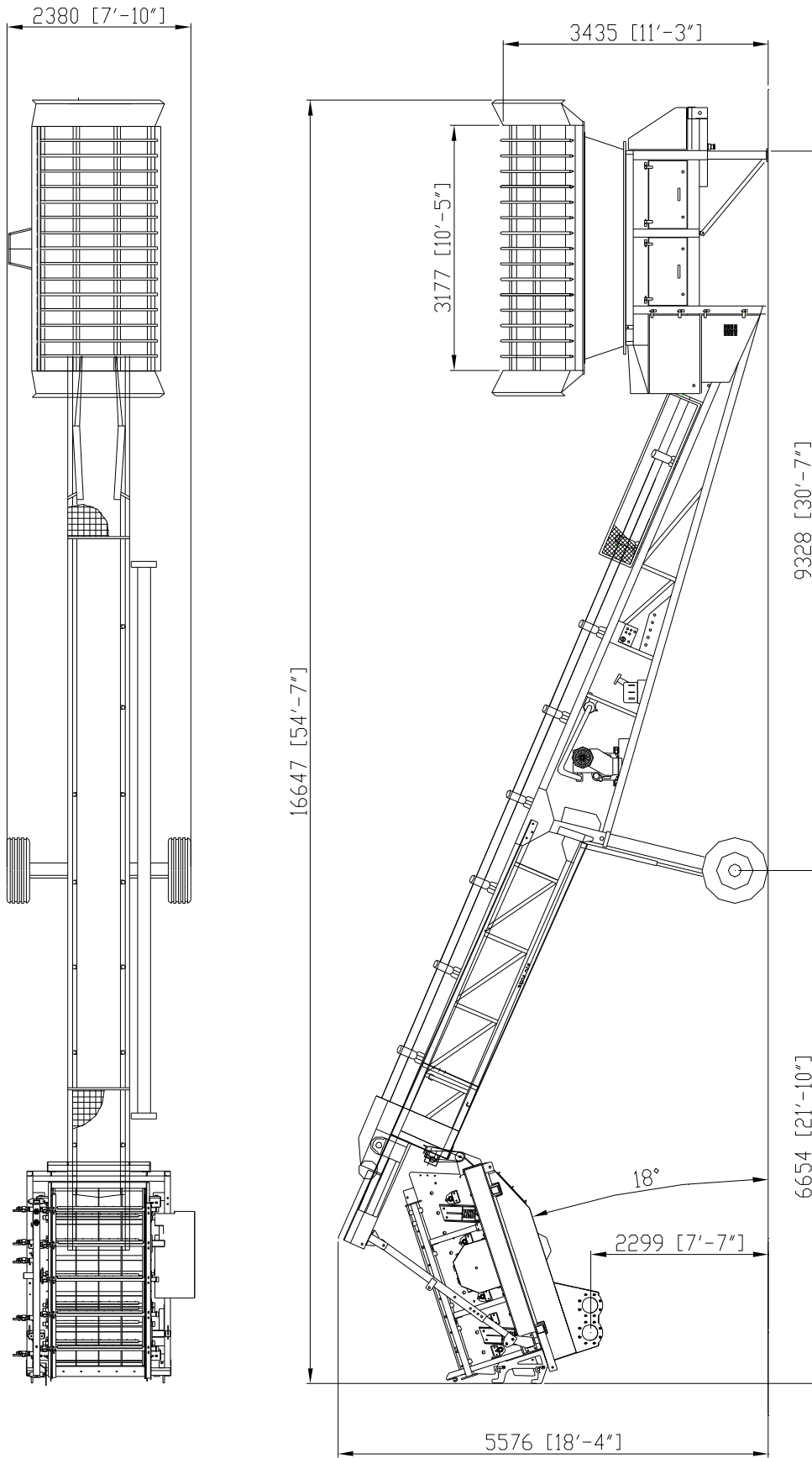
Wash box:



5 nozzle spray bar.
Feed Conveyor Belt Scraper
Steel wear Plate

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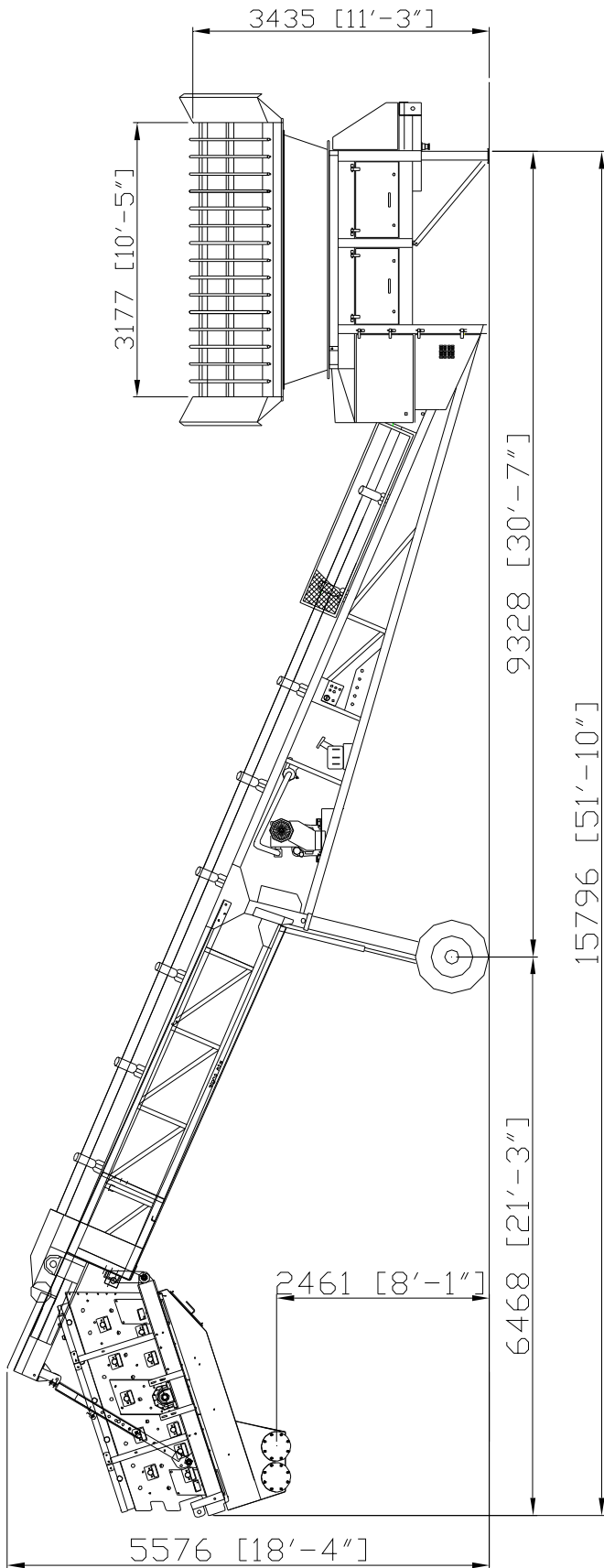


MARK2 2 DECK WORKING

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MARK2 3 DECK WORKING

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