



MOBILE SCREENING & RECYCLING SOLUTIONS



103SE

VIPER

The Viper 103SE is a mobile screening unit for use in every type of application from soil to sand and gravel. Shredding and extra screening are options also available on this machine.

Viper International are world leaders in the manufacture of mobile screening and recycling equipment. Since 1989, Viper have developed a worldwide network of distributors that service its ever expanding customer base on all five continents.

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SCREEN BOX

High efficiency four bearing screen box with a size of 3.0m x 1.5m (10ft x 5ft) Unique eccentric shaft is designed to contain maximum vibration in the screen box. Screens high moisture content material and sticky material from 1mm to 100mm and is equally comfortable grading high spec. material. End tensioned screen decks are fitted to allow for easy removal and fitting of various decks. High capacity out put, hydraulic angle adjustment from 15° to 45°.

REJECT GRID

The inclined reject grid features variable spacing grid bars, floating grid bars make it self-cleaning. Fitted with remote control tipping as standard.

MAIN CONVEYOR

The main conveyor frame is constructed from folded steel plate section to provide maximum rigidity and strength. The conveyor belt is designed to operate within the main frame allowing environmental and other benefits as follows:

- To eliminate wind blown particles
- Spillage is kept to a minimum
- Belt can be totally enclosed
- Side skirting is fitted along the full length of the belt.
- Self-adjusting belt cleaners using durable scrappers are fitted.

The mainframe head section can be hydraulically lowered for the dual purpose of transportation and to allow the screenbox to be lowered for ease of deck removal The head section can also be folded back to reduce the overall height of the main conveyor and Also to facilitate transportation.

POWER PACK

Powered by an air-cooled diesel engine, fitted with automatic shut-down Unit. With 3 hydraulic pumps, designed to give maximum output

Transport mode



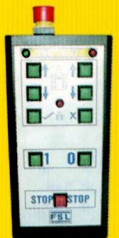
Control Panel



Shredder in working position



Shredder in raised position



Radio Remote Control

103SE



when operating at a low pressure. A large capacity hydraulic oil reservoir to maintain oil levels at a low temperature especially in hot climates. Suction return filters are fitted to ensure long life of the hydraulic systems and a large fuel tank is fitted to afford full day continuous operation. Fitted with integrated hydraulic control panels, incorporating all hydraulic control panels and variable speed valves, allowing easy operation of complete system at. An hydraulic power supply bulkhead to drive additional stockpiling conveyors is also provided. Hydraulic hoses are connected to a bulkhead for easy removal of the power pack from the mainframe for off site maintenance.

SHREDDER

The Shredder is offered as an optional extra and features a high speed twin shaft with swinging loose flails, ideal for breaking up large loose material e.g. topsoil's and clays, using the minimum horsepower. It incorporates a unique design feed restrictor, which directs material into the cutting path to provide maximum shredding. The shredder can be hydraulically lifted to a safe position when not in use and includes a safety cut-out valve to avoid operation when in this position.

MAIN CHASSIS

Heavy duty undercarriage affording safe transportation and fitted with heavy duty tyres, air brakes and an hydraulic jack leg to enable machine to be raised for transportation hook-up.

HEAD DRUM SPREADER

This is an adjustable swinging spreader with "V" plate, designed to accommodate large material and give maximum spread across the full width of the screen mesh.

BELT FEED HOPPER

This is an inclined belt feed hopper, tapered from back to front to eliminate bridging and provide and unrestricted consistent feed of sticky or difficult material.

- Variable speed hydraulic drive belt feeder
- Infinite control from 0 - 580 tonnes per hour
- Finger tip control
- Self adjusting outlet hopper door
- Direct coupled motor & gear box drive

SAFETY

- Nip points are guarded
- External conveyor belt adjustment points
- Centralised greasing points
- Engine safety protection system
- Emergency stops
- Fully guarded to health and safety legislation
- Complies with EEC directive 89/392 98/37 EC (CE Mark)

Optional Extras:

- Soil Shredder
- T.U.V. Axles
- Lateral Protection
- Centralised Greasing
- Electric Drive
- Acoustic Engine Canopy
- ABS Braking
- Live Head over hopper
- 3m x 1.5m Screenbox over hopper
- Belt Weighting system
- Overband Magnet



VIPER103SE

technical specifications

Transport Height	4000mm / 13' 1.5"
Transport Width	2500mm / 8' 2"
Transport Length	14,130mm / 46' 4"
Operational Length	20,360mm / 66' 10"
Operational Width	2500mm / 8' 2"
Operational Height	4000mm / 13' 1.5"
Feed Hopper Capacity	8.5m ³ / 11 yds ³
Hopper Loading Height	3400mm / 11' 2"
Hopper Loading Width	4100mm / 13' 5"
Belt Feeder Width	800mm / 2' 7.5"
Main Belt Width	750mm / 2' 6"
Screenbox Length	3040mm / 10' 0"
Screenbox Width	1500mm / 5' 0"
Max. Height under Screen Box	4600mm / 15' 1"
Hydraulic Oil Tank Capacity	375 litres / 99 US Gallons
Diesel Tank Capacity	300 litres / 80 US Gallons
Diesel Power Unit	Turbo Diesel 76 kw / 102 hp
Weight	14.5 tonne / 31,970 lbs

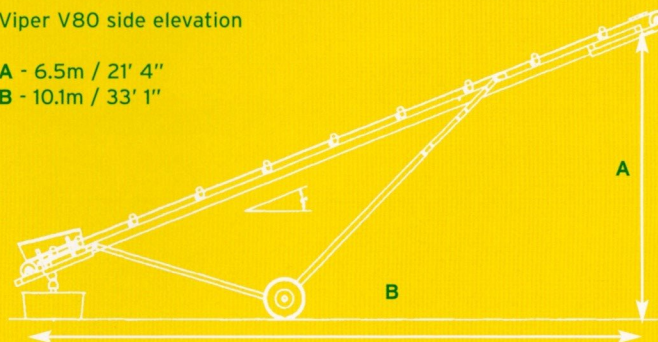
All specifications to change without prior notification

Viper 103SE side elevation in working position



Viper V80 side elevation

A - 6.5m / 21' 4"
B - 10.1m / 33' 1"



Viper V80 in transport mode

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