

# VIPER 302 turbo



**VIPER**  
INTERNATIONAL  
limited

progressive  
company  
progressive  
products

**the VIPER 302**

**towering above**

**the competition**





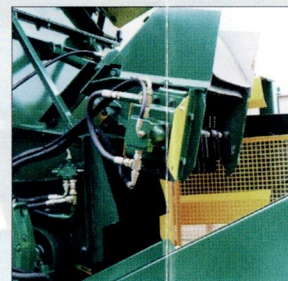
cradle in raised position



hydraulic controls



spreader plate



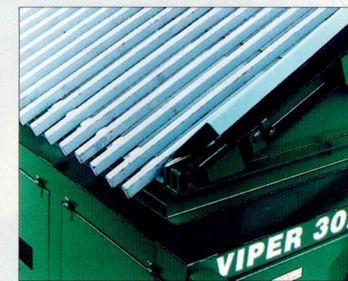
shredder in lifted position



remote control for tipping grid



reject grid



self-cleaning grid bars

## SCREENBOX

The screenbox is a two deck four bearing type with a size of 3 m x 1.5 m (10 ft x 5 ft) giving a three way split of material. Both the top and bottom decks of the screenbox are end tensioned and very accessible. Woven or welded meshes are normally fitted on the top deck. Depending on the application the bottom deck can be fitted with square or elongated meshes or harp wire screens. The angle of the screenbox is hydraulically adjustable between 21° and 40°.

## SHREDDER

The shredder is offered as an optional extra and features a high speed single shaft with swinging loose flails, ideal for breaking up large loose material, e.g. top soils 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.

## CHASSIS AND MAIN FRAME CONVEYOR

The main conveyor is fitted with a 750 mm (2 ft 6 inches) wide conveyor belt and is constructed from folded steel plate sections. The conveyor belt is designed to operate within the mainframe and can be totally enclosed for environmental purposes. The main conveyor is hydraulically lowered and the tail and side conveyors are hydraulically folded to allow the machine to be quickly and easily prepared for transport and to comply with road, legal regulations.

The main chassis of the unit is mounted on two braked axles fitted with super single wheels. The towing arrangement is by fifth wheel coupling and an hydraulic jack leg is fitted to enable the machine to be easily raised for transportation.

## BELT FEED HOPPER

The belt feeder is fitted with an 800mm wide heavy duty belt and is driven by a direct coupled hydraulic motor and gear box. Variable speed control is fitted to allow infinite adjustment to the belt speed. The 9m<sup>3</sup>, (12 yds<sup>3</sup>) capacity hopper has a manually operated, hydraulic tipping, reject grid, set at 100mm (4 inches) spacing as standard.

## WALK WAYS

The unit is fitted with walk ways which allow easy access to the screen box for greasing and easy changing of screens. An important feature of the walk ways is the benefit of increased safety.



detail: walk ways

## STOCK PILING CONVEYORS

This unit is fitted with three integral stockpiling conveyors. The tail conveyor is a plain 750 mm (2 ft 6 inches) wide belt giving a stockpile height of between 3.96 m (13 ft) and 4.78 m (15 ft 8 inches). The side stockpiling conveyor belts are 600 mm (2ft) wide and give a discharge height of between 5.20 m (17 ft) and 6.03 m (19 ft 9 inches). The speed of the side conveyors can be adjusted by a variable speed control to give optimum working speed depending on the material. The stockpile heights are all variable depending on the angle of the screen box and all of the stockpile conveyors fold hydraulically for transport.

## POWERPACK

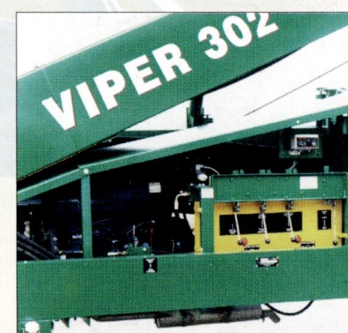
The engine on this unit is 102 Hp, liquid cooled, turbo diesel with automatic engine shut-down. It incorporates three hydraulic pumps designed to give maximum output when operating at low pressure. This unit comprises a large capacity hydraulic oil reservoir maintaining oil levels at a low temperature, especially in hot climates and a large fuel tank to afford all day continuous operation. Integrated hydraulic control panels incorporating all hydraulic control valves and variable speed valves, are fitted to allow easy operation of the complete system at one point. Easy access can be gained for maintenance purposes. For off-site maintenance, hydraulic hoses are connected to a bulkhead, so that the powerpack can be easily removed from the mainframe.



Tapered Hopper



hydraulic jack leg



power pack



folded for transport

# VIPER 302 turbo

The Viper 302 Turbo is a mobile screening unit for use in every type of application from top soil to sand and gravel.

efficiently screens the following:

- Sand & Gravel
- Topsoil
- Compost
- Recycled Asphalt or Concrete
- Coal
- Slag
- Demolition Debris
- Landfill Waste
- Road Base

## OPTIONAL EXTRAS

- Single Shaft Shredder
- Remote Control Tipping Grid
- T.U.V. Axle
- Lateral Protection
- Centralised Greasing Kit

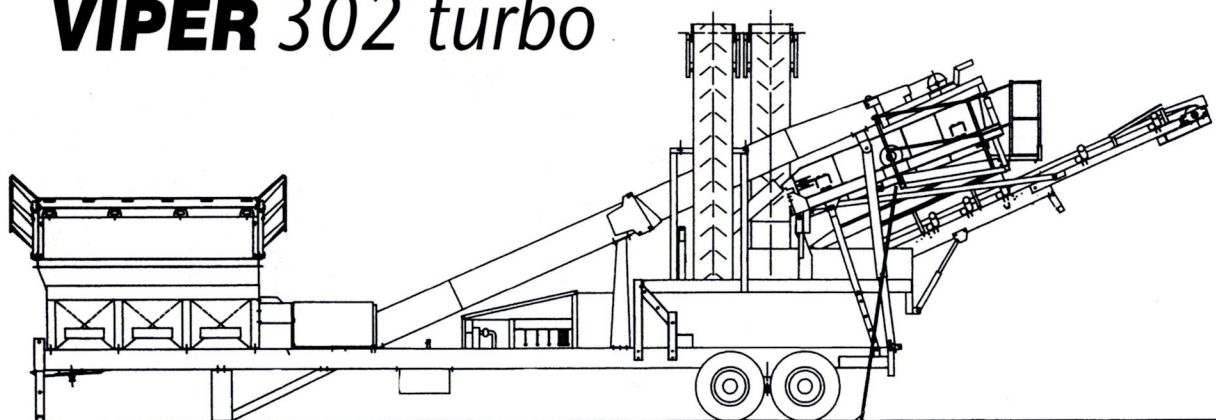
- Double Shaft Shredder
- Flow Control for Main Conveyor
- Electric Drive
- Acoustic Canopy over Engine
- ABS Braking

All units are built to CE specification & this will be supplied with the relevant documentation

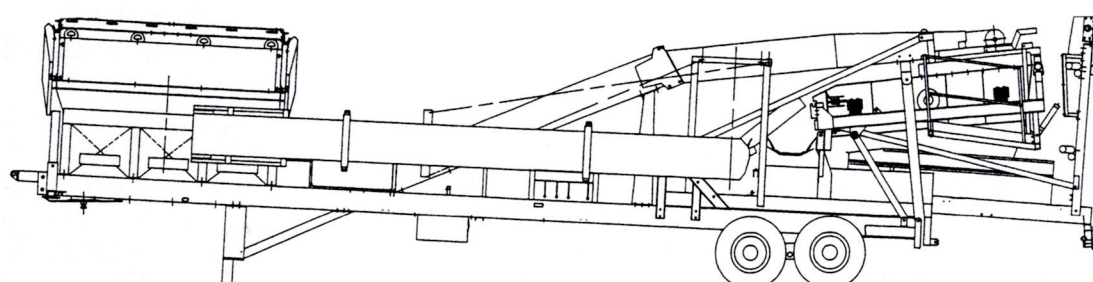




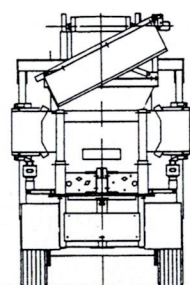
# VIPER 302 turbo



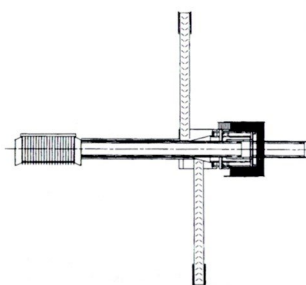
**Viper 302 Turbo side elevation - in working position**



**Viper 302 Turbo side elevation - in transport position**



**end elevation - transport**



**plan view - working**

## technical specification

<b>Transport Length</b>	15.98 m / 52 ft 5 inches
<b>Operational Length</b>	20.11 m / 65 ft 11 inches
<b>Transport Width</b>	2.68 m / 8 ft 9 inches
<b>Operational Width</b>	17.17 m / 56 ft 4 inches
<b>Transport Height</b>	4.00 m / 13 ft 1.5 inches
<b>Hopper Loading Height</b>	3.40 m / 11 ft 2 inches
<b>Working Height</b>	6.03 m / 19 ft 9 inches
<b>Hopper Capacity</b>	9 m <sup>3</sup> / 12 yds <sup>3</sup>
<b>Belt Feeder Width</b>	0.75 m / 2 ft 6 inches
<b>Main Belt Width</b>	0.75 m / 2 ft 6 inches
<b>Screen Size</b>	3.00 m x 1.50 m / 10 ft x 5 ft
<b>Fines Conveyor Width</b>	0.75 m / 2 ft 6 inches
<b>Fines Conveyor Height - min</b>	3.96 m / 13 ft
<b>Fines Conveyor Height - max</b>	4.78 m / 15 ft 8 inches
<b>Side Conveyor Width</b>	0.60 m / 2 ft
<b>Side Conveyor Height - Min</b>	5.20 m / 17 ft
<b>Side conveyor height - Max</b>	6.03 m / 19 ft 9 inches
<b>Engine</b>	102 Hp Air Cooled
<b>Hydraulic Oil Tank Capacity</b>	375 litres / 99 US Gallons
<b>Diesel Tank Capacity</b>	300 litres / 80 US Gallons
<b>Weight</b>	20,500 Kgs Approx / 45,000 lbs

**dealer / distributor**

**VIPER**  
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l i m i t e d

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All Specifications subject to change without prior notification