



MOBILE SCREENING & RECYCLING SOLUTIONS



DISCOVERY



VIPER

The Viper Discovery is a high frequency mobile 16' x 6' double deck screen, designed for heavy-duty applications such as the processing of Aggregates, Topsoil, Coal, Construction and Demolition debris.

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.

Viper has introduced a number of new models into its extensive mobile screen range. One of these machines is the Viper Discovery which incorporates a high frequency 16'x 6' (4500mm x 1800mm) double deck screen. This unique design machine will out perform any of the competition and is capable of producing 750 tonne per hour. The screenbox has the renowned Viper high frequency, high vibrating technology.

Designed for heavy-duty applications such as the processing of Aggregates, Topsoil, Coal, Construction and Demolition debris, the Discovery is mounted on heavy-duty low ground pressure crawler tracks and is easily moved around the site and also can be transported without permits.

The Discovery is powered by a Deutz BF4M 1013 diesel engine

producing 130hp, this three-way split unit has 3 number hydraulically folding stockpiling conveyors, and with the oversize belt having an impact bed, along its complete length. The conveyors discharge heights are as follows Oversize belt 3353mm (11ft), Fines and Middle Product belts 4145mm (13ft - 6 ins).

The 6m³ reception hopper with hydraulic folding sides, has an unique plate apron discharge conveyor which also has variable speed control, this feeder is ideal in heavy - duty applications especially in the Waste industries where you have allot of reinforcing bars connected to lumps of concrete, which would damage rubber belt feeders, the Discovery is the only screening machine on the market today to have this type of feeder.

The Viper Discovery is a solid and skilfully designed machine with a view to separate stone granulates according to their different sizes.

The screening machine consists of a high-quality diesel engine and very high-quality hydraulic, electric and mechanic components. Material to be charged and screened is put into the feed hopper and

Transport mode



Plate Apron Feeder



Wire Mesh Screen



Punch Plate Screendeck



Fingerdecks



DISCOVERY



Viper Discovery working with crusher

transported by the metal plate apron feeder to the screen box. The oversize material is removed by way of the main conveyer belt. The screened material is removed from the screen box by way of three conveyer belts according to the size of the stones. The machine is driven completely hydraulically.

In order to transport the machine easily (to put it from an operating state into a transport state) the side conveyer belts can be folded hydraulically along the machine. The side panels of the hopper can also be swung down hydraulically with a view to transport. When longer distances have to be covered, the machine must be transported on a low-loader after the side conveyors and the side panels of the feeding chute have been let down.

The track undercarriage has been designed for relocation of the machine on the site and for relocation from one site to the other.

The machine can also be equipped with a permanent transversal magnet in order to remove metal objects (available as an option).

The Viper Discovery has been designed in full accordance with the EC standards nos. 89/392 and 91/368.



Viper Discovery being loaded with an excavator



Fingerdecks with sticky material



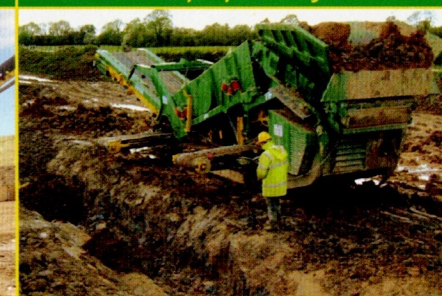
Bottom fingerdecks



Deck Changing Mode



Pipe padding



Hydraulic folding conveyors



VIPERDISCOVERY

technical specifications

Transport Height	3200mm / 10' 6"
Transport Width	2550mm / 8' 4"
Feed Hopper Capacity	6m ³ / 8yds ³
Hopper Loading Height	4000mm / 13' 1"
Hopper Loading Width	4000mm / 13' 1"
Apron Feeder Length	4000mm / 13' 1"
Apron Feeder Width	1400mm / 4' 8"
Screenbox Length	4500mm / 14' 8"
Screenbox Width	1800mm / 6' 0"
Hydraulics	Sauer-Danfoss
Fines Conveyor Length	4500mm / 14' 8"
Fines Conveyor Width	1400mm / 4' 8"
Oversize Conveyor Length	5500mm / 18' 0"
Oversize Conveyor Width	1500mm / 5' 0"
Fines Side Conveyor Length	7700mm / 25' 3"
Fines Side Conveyor Width	800mm / 2' 6"
Middle Product Conveyor Length	8500mm / 27' 8"
Middle Product Conveyor Width	800mm / 2' 6"
Track Length	3750mm / 12' 4"
Track Width	450mm / 1' 6"
Track Overall Width	2550mm / 8' 4"
Diesel Power Unit	Deutz BF4M 1013 86 kw
Weight	26,000 Kgs / 57,000lbs

All specifications to change without prior notification



Viper Discovery side elevation - in working position



DONAGHY DESIGN 028 8772 7835

Dealer/Distributor:

VIPER INTERNATIONAL LTD. 47 Moor Road Coalisland Co. Tyrone Northern Ireland BT71 4QB
T: +44 (0) 28 87 740926 F: +44 (0) 28 87 747242 sales@viperinternational.com www.viperinternational.com