



MOBILE SCREENING & RECYCLING SOLUTIONS



123 SIZER RANGE



Viper City Sizer 123



Viper Sizer 123

VIPER

The Viper Sizer 123 Range are mobile screening and stockpiling units for use in heavy-duty applications, such as, Quarrying, Mining, Coal and Rip Rap. Designed and manufactured to the highest standard, this robust and extremely durable range are the market leaders.

Screen angle adjustment



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.

The Viper Sizer 123 Range are mobile screening and stockpiling units for use in heavy-duty applications, such as, Quarrying, Mining, Coal and Rip Rap. Designed and manufactured to the highest standard, this robust and extremely durable range are the market leaders.

SCREEN BOX

The screen box is a bolted construction, manufactured using high tensile steel plate. This enables the Sizer to handle the heaviest of materials. The double deck 3000mm x 1980mm (9' 10" x 6' 6") screen box vibration is generated by an eccentric shaft and counter weights. Power is transmitted to the screen shaft via a heavy-duty hydraulic motor and coupling assembly. The top deck is manufactured from high wear resistant steel punched plate. The bottom decks are of woven mesh construction, end tensioned for ease of installation and removal.

STOCKPILE CONVEYOR

The stockpile conveyor can be folded to reduce transport length (optional fold rams) but is normally in the working position and is fitted with a heavy-duty 1.2m (48") wide conveyor belt. The discharge height of the conveyor is 3.35m (11' 7") one of the highest in its class. A self-adjusting belt cleaner and end drum scrapers are fitted as standard. Side skirts are fitted as standard along the full length of the conveyor to increase user safety and to reduce spillage.

POWER UNIT

The power unit is fitted with a Deutz 4-cylinder turbo diesel engine driving a cast iron tandem hydraulic pump; oil is supplied from a large capacity hydraulic reservoir. The screen box is powered from the outer section of the tandem pump and the conveyor from the inner section but is not applicable to City Sizer. The power unit is totally demountable for off site servicing if required, with all hydraulic hoses connected to a central bulkhead assembly. The hydraulic system has all necessary in-line and return-line filters.

City Sizer in transit



Track Sizer in transit



Track Sizer being loaded



Standard Sizer control panel



Track guard



123 SIZER RANGE

MAIN FRAME & RUNNING GEAR - WHEELED & CITY SIZERS

The main frame is robustly constructed from rolled hollow section and 43A steel plate. The running gear for is a single heavy-duty axle fitted with super singles and protected by a canopy manufactured from 6mm thick plate. All necessary lights and reflectors are fitted to the machine. The tail-lights fold under the conveyor in its working position.

MAIN FRAME & RUNNING GEAR - TRACK SIZER

The heavy-duty main frame is robustly constructed from rolled hollow section and 43A steel plate. The crawler tracks are protected by 25mm (1") thick plates. The main chassis of the Viper Turbo Track Sizer is mounted on a heavy-duty track undercarriage, with the cross members being manufactured from 250mm x 250mm (10" x 10") rolled hollow section.

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)

Viper Sizer 3 Way Split



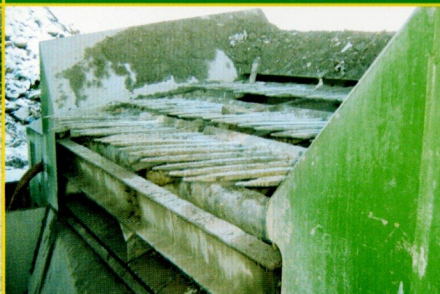
Viper Track Sizer 3 Way Split



Track Sizer end elevation



City Sizer with Fingerdecks



Rear view of City Sizer Fingerdeck



Conveyor folding mechanism



Viper Sizer back spill plate



VIPER123 SIZER RANGE

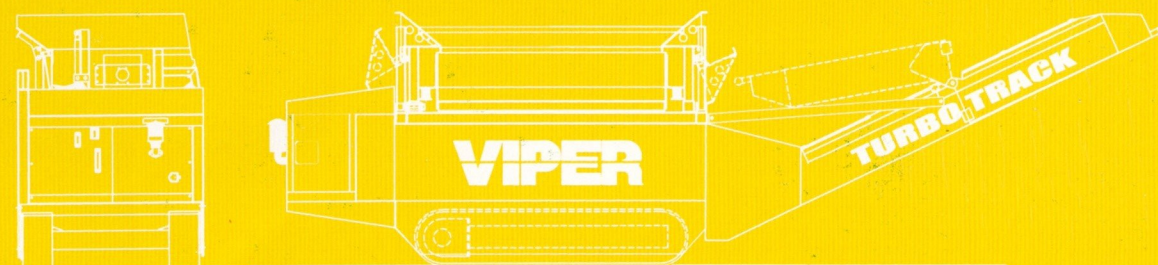
technical specifications

	Wheeled	City	Track
Transport Height	3920mm	3920mm	3350mm
Transport Width	2500mm	2500mm	2500mm
Feed Hopper Capacity	6m ³	NA	6m ³
Screenbox Length	1980mm	1980mm	1980mm
Screenbox Width	3000mm	3000mm	3000mm
Feeder Conveyor Width	1200mm	NA	1200mm
Discharge Conveyor Width	1200mm	NA	1200mm
Discharge Conveyor Height	3280mm	NA	3280mm
Operational Length	13,350mm	8320mm	11,750mm
Loading Height	4440mm	4200mm	3570mm
Variable Screen Angle	0-28 degrees	0-28 degrees	0-28 degrees
Track Length	NA	NA	3650mm
Track Width	NA	NA	400mm
Diesel Power Unit	Diesel Hydraulic	Diesel Hydraulic	Diesel Hydraulic
Diesel Tank Capacity	290 litres	290 litres	290 litres
Hydraulic Tank Capacity	400 litres	400 litres	400 litres
Max. Power Output	70hp	70hp	70hp
Radio Remote Control	NA	NA	Yes
Weight	17,000 Kgs	12,000 Kgs	20,000 Kgs

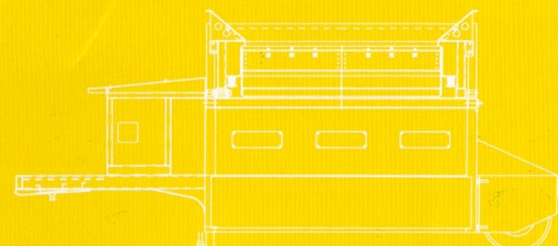
All specifications to change without prior notification

Optional Extras:

- Fingerdecks
- Bogie for Wheeled Sizer
- Second Conveyor
- Electric Power Unit
- Colour Change
- Acoustic Engine Canopy



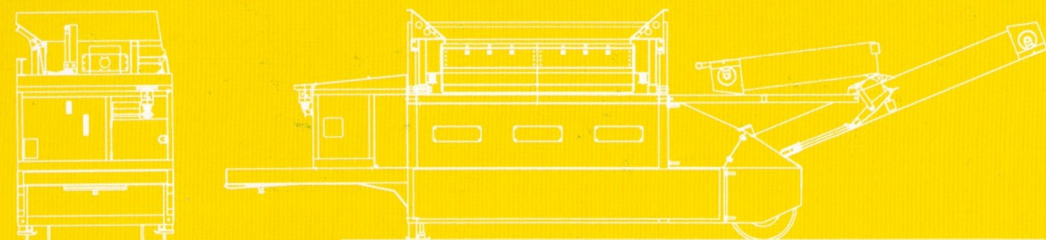
Viper 123 Track Sizer rear and side elevation in working position



Viper 123 City Sizer side elevation in working position



Viper Track Sizer working with topsoil



123 Viper Sizer rear and 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