



**EUROTEK**

# TROJAN Low Loading Sand Reclamation



# General and features

The TROJAN VD range features a unique vertical vibratory elevator, which eliminates the need for expensive pit work where a low level shakeout facility is required. In addition, the floor space required for the plant installation is minimised. Used in conjunction with our range of TITAN cooler / classifiers and PULSOR pneumatic conveyors, a robust compact sand reclamation system is achieved.

- Robust construction
- Efficient “tramp” metal removal
- Floor mounted – no pits
- Modular construction for simplified layout
- Independent vibration for shake out and elevation – eliminates throughput problems
- Low maintenance
- Compact layout- minimises floor requirement
- Easily replaceable screens
- Comprehensive control system

# Specification

	VD3	VD6 B	VD6 S	VD9 B	VD9 S
<b>NOMINAL OUTPUT (SEE OUTPUT NOTE)</b>	3 tonnes per hour	6 tonnes per hour	6 tonnes per hour	9 tonnes per hour	9 tonnes per hour
<b>SHAKEOUT SIZE (mm)</b>	1150 X 1000mm	1500 x 1150mm	1500 x 1500mm	1840 x 1600mm	2000 x 2000 mm
<b>MAXIMUM DECK LOAD</b>	500 KG	1000 KG	1000 KG	2000 KG	2000 KG
<b>SHAKEOUT MOTORS ELEVATOR MOTORS</b>	TWO TWO	TWO TWO	TWO TWO	TWO TWO	TWO TWO
<b>MINIMUM EXTRACTION WITH COOLER CLASSIFIER (M3/HR)</b>	7000	10000	10000	17000	17000

We reserve the right to alter specifications and design subject to future modifications and development

# Specification (continued)

- Screens** > Shakeout deck - Heavy duty laser cut slotted steel plate
- > Primary – Heavy duty perforated steel plate (6mm aperture)
  - > Secondary – Stainless steel wedge wire (1.5mm aperture)
  - > Elevated screen – High tensile stainless steel interwoven mesh

**Liner plates** – Fitted to high wear areas of the body shell

**Clean out door** – For the removal of large metallics and non – degradable material, a removable door is situated at the rear of the unit. Periodic removal is required to maintain throughput and reduce wear. Fine metallics and sand agglomerates, are discharged continuously , via the tertiary screen situated in the elevator outlet.

**Classification / cooling** – Classification is achieved by using a fluid bed powered by a high pressure single stage fan. Where cooling is required, an integral heat exchanger is incorporated in the fluid bed with the appropriate water cooling system. (See TITAN cooler classifier leaflet)

**Electrical control panel** – Sequential starting of all the components and automatic cleaning of dust extraction equipment.

**Output** – The outputs quoted are nominal, based upon experience of use, but are dependent upon various factors eg type/percentage of Binder, sand/metal ratio, moulding technique and type of metal cast.

# Previous VD low level reclamation

