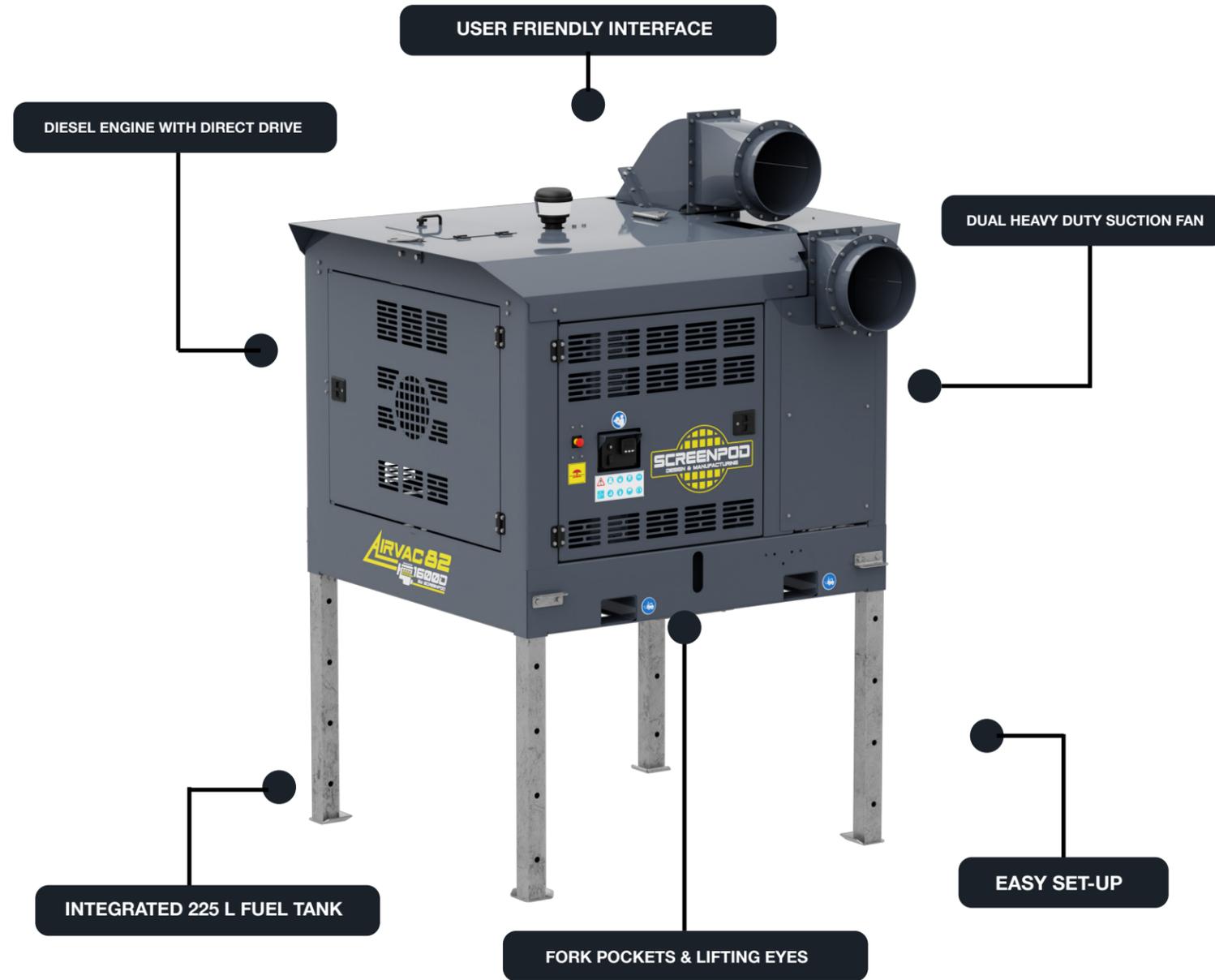




SCREENPOD | AV 82 1600S AIR DENSITY SEPARATION



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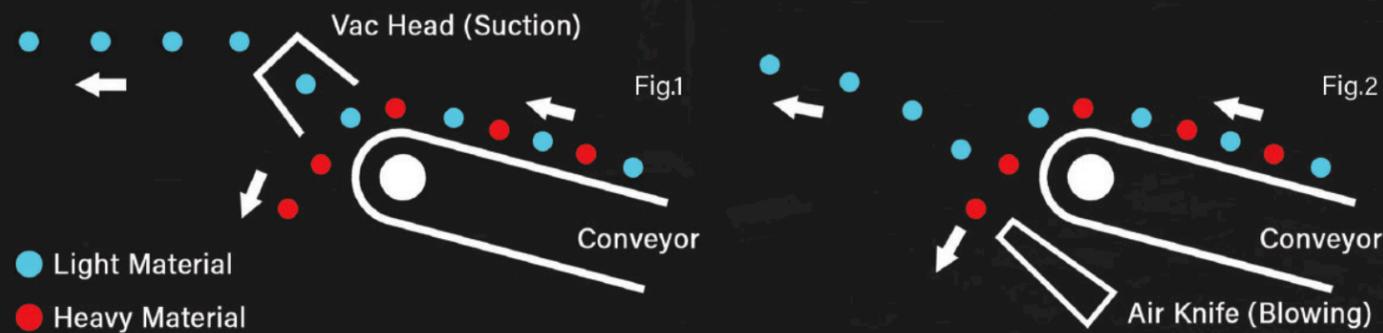
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Screenpod | Airvac 82 1600S

Air Density Separation

How it works

The Airvac can sort the light and heavy material streams on a conveyor in 2 different ways. The vacuum head is positioned over the material stream as shown in Fig. 1 connected to the inlet of the Airvac via a hose. As the fans on the Airvac rotates, any light material passing under the vac head gets pulled up through it, getting sucked through the fan inlet and shot out of the outlet on the Airvac, where it can then be connected into a skip or area for collection, ultimately separating it from the heavy material on the conveyor. The Air-knife is positioned as shown in Fig.2. It's connected to the outlet of the Airvac via a hose. As the fan on the Airvac rotates, the airflow entering the air-knife is spread out along the narrow outlet. As the air stream passes through the material coming off the belt, light material gets carried away and is blown out of the heavy material, thus separating the two.



FEATURES

- 53.7kW (73 HP) EU Stage V / EPA Tier Final Yanmar Engine
- Heavy Duty Suction Fan
- Inlet and outlet spigots for connection to hose
- Engine Controller with display showing all engine parameters
- 225 litre fuel tank with externally accessible filler cap and level gauge
- Low maintenance V-Belt drive with heavy duty belt tensioner
- Robust steel frame with lifting eyes and fork pockets for transportation
- Telescopic legs for adjustable working height and excellent stability
- Large access doors and removeable panels for service access
- Lockable door latches with removable keys for security
- Emergency stops located around periphery of machine
- Fast on-site set-up time- less than 10 minutes!

TECHNICAL SPECIFICATIONS

Power Unit and Drive

- 2 of 112m³/min. (3950CFM) Impeller-type suction fan
- Robust frame with fork truck maneuverability
- Lifting hooks built into the frame
- Low maintenance vee-belt drive design
- Yanmar fingertip engine controls with automatic engine protection
- Oversized radiator with blower fan to reduce dust intake
- Pre-cleaner fitted as standard to the air intake
- Large doors for easy service & maintenance
- Integral telescopic legs within the chassis to adjust the height of the Airvac to the conveyor belt it is working on. This allows a shorter length of hose to be used & optimises the machines performance
- 51.6 – 53.7kW (72bhp max) Yanmar Tier 4 Final Engine
- Cooled EGR System
- Common Rail System
- Direct Injection Combustion
- ECU Integrated Control

Capacities

- Diesel Tank Capacity: 229L (59.4 US gal)
- Impeller Speed Max: 2100 rpm
- Fan Displacement Max: 112m³/min (3950CFM) x 2

Additional Features

- External Belt Adjustment Points
- Manual or Electronic Engine Speed Adjustments
- Engine Safety Shutdown Systems
- Full Safety Guarding for Nip Points
- CE & Tier 4 Compliant
- Full Range of Adjustable Vacuum Heads to Suit All Applications
- Independent Balance Valves on Each Fan

Airvac 82 Dimensions & Weight

Length	2.386m (7 ft 10")
Width	2.361m (7 ft 9")
Height	2.224m (7 ft 3")
Weight	2900kg (6393lbs)

