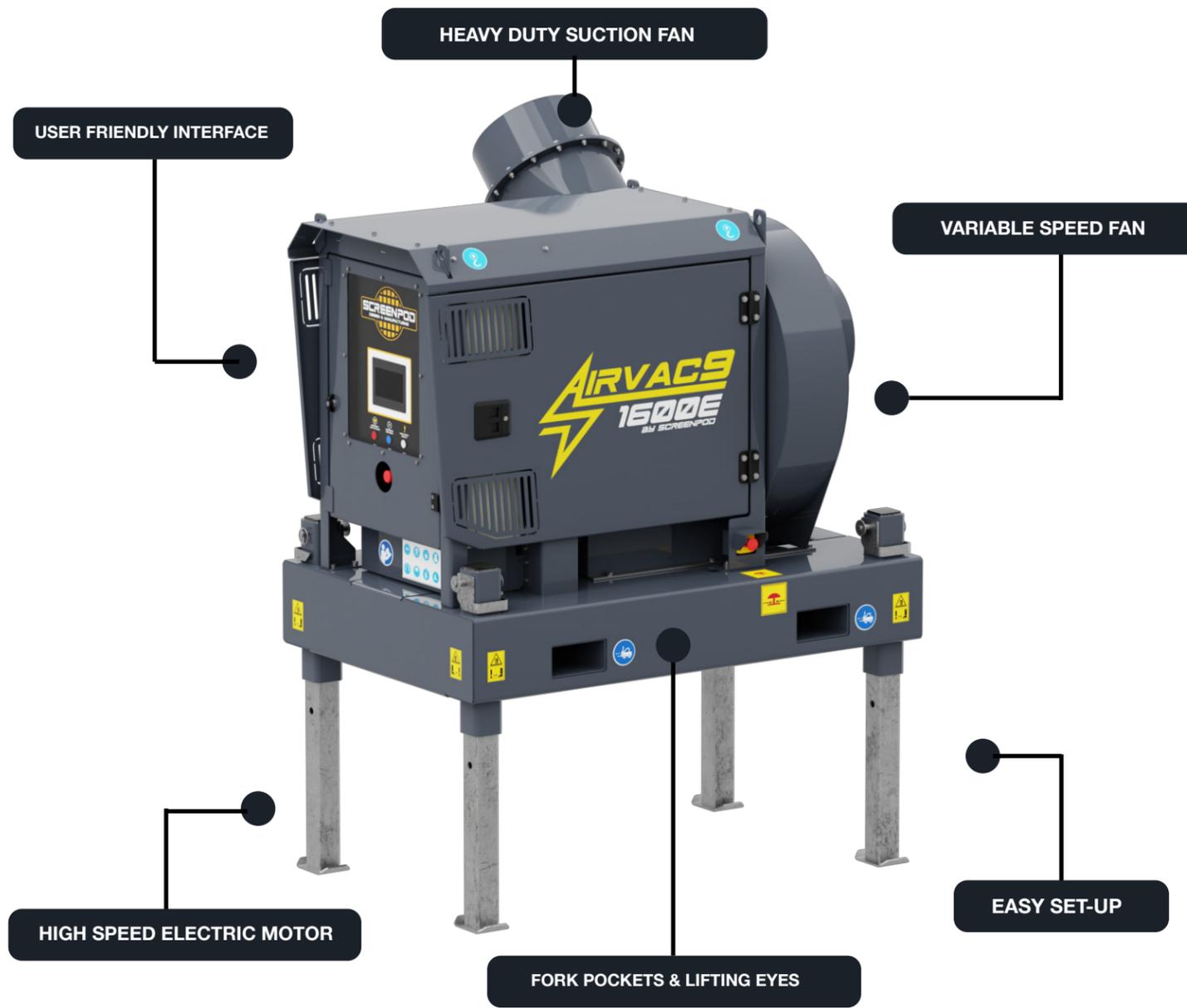


SCREENPOD | AV 9 1600E AIR DENSITY SEPARATION



1-800-465-3214



12611 Cain Circle, Houston, TX 77015 USA



www.3rmachinery.com



sales@3rmachinery.com



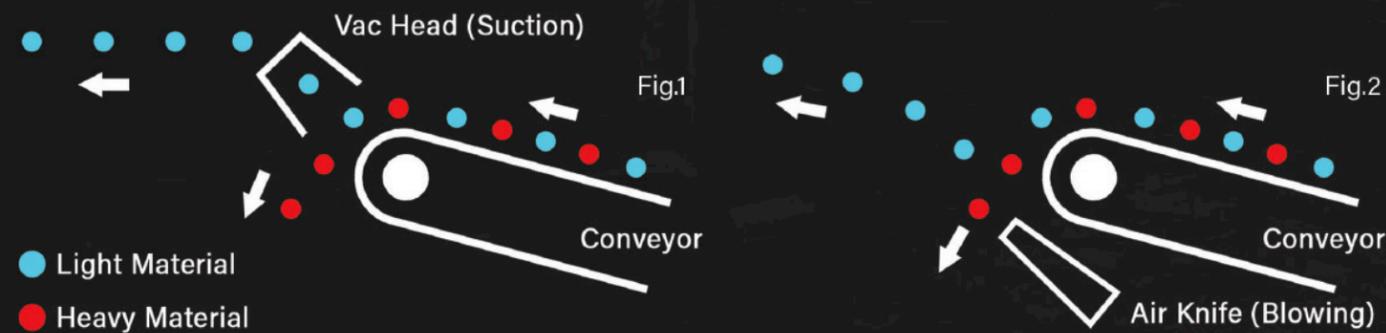
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Air Density Separation

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

- 415 V 3-Phase 30kW Electric Motor
- Heavy-duty suction fan
- Variable speed controls for infinitely adjustable fan speed
- User friendly interface for straight forward operation
- Inlet and outlet spigots for connection to hose
- Robust steel frame with lifting eyes and fork pockets for transportation
- Telescopic legs for adjustable working height and excellent stability
- Access doors and removable panels for service access
- Lockable door latches with removable key for security
- 3 emergency stops located around periphery of machine
- Fast on-site set-up time- less than 10 minutes!
- Mains connection lead for plugging into power supply

TECHNICAL SPECIFICATIONS

A compact yet efficient lights recovery separation system comprising an adjustable suction head unit which can be fitted to a stockpile conveyor or screenbox, and a freestanding suction fan unit. The system has the following features:

- 30kW (40HP) high energy suction unit
- On-board electrical control panel
- Variable speed control functions
- Choice of vacuum drive systems
- Fast on site setup time – 10 minutes
- Quick & easy cleanup; waste goes direct to skip or collection cage
- Universal fit conveyor attachments
- 415V, 3-Phase 15kW 2-pole electric drive motor
- 16" flexi air hose connections to vacuum head & lights recovery cage
- Forklift pockets & lifting eyes fitted for ease of movement

Add-on Vacuum Head Unit

- Adjustable brackets to suit most conveyor frames
- For belt widths from 750-1200 mm wide
- No drilling or welding required to fit
- 16" (400mm) Flexi Air Hose connection to Fan Unit

Airvac 9 Dimensions & Weight

Length	1737mm (5 ft 7")
Width	1779mm (5 ft 8")
Height	2250mm (7 ft 3")
Weight	1020kg (2249lbs)

