

Blastrite (Pty) Ltd

P.O. Box 5515
 Cape Town
 South Africa
 Tel. : +27 21 417 1700
 Fax. : +27 21 425 2341
 E-mail : sales@blastrite.com

Commercial Information

SURFACE PREPARATION INNOVATION

Version Date: January 2011

Title: Waffle Abrasive Recovery System

WAFFLE ABRASIVE RECOVERY SYSTEM

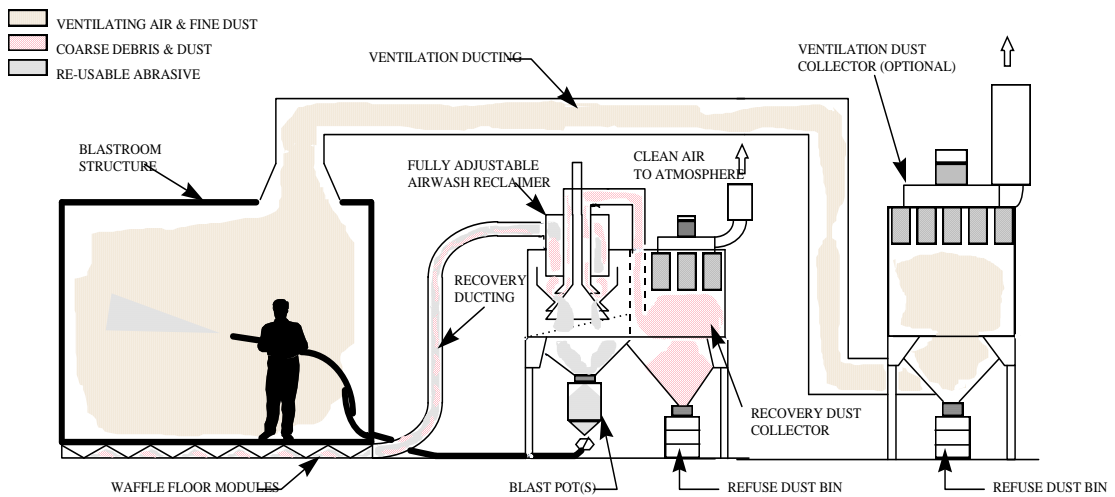
The Waffle Floor Abrasive Recovery System features a series of hoppers fabricated from steel plate, covered with a floor grid. High velocity air is drawn through a slot in the bottom of the hopper, and this air is used to pneumatically convey the abrasive, dust and debris to the airwash separator.

The triangulated construction of the Waffle modules allows the floor to withstand extremely high floor loadings, and the absence of any moving parts leads to almost no maintenance or downtime. The shallow design (300mm high) of the Waffle modules also overcomes the need for expensive pits or excavations.

The Separator features adjustable inner and outer cones, which allows the intensity of the separation process to be varied to suit individual operating conditions and varying abrasive types and sizes. An abrasive-resistant lining is also featured in the Reclaimer to minimise wear and ensure long life.

A dedicated cartridge-type and reverse pulse “down draft” type Recovery Dust Collector provides the airflow required for the recovery process, and all dust collectors feature electronically controlled automatic pulse sequencers.

General schematic



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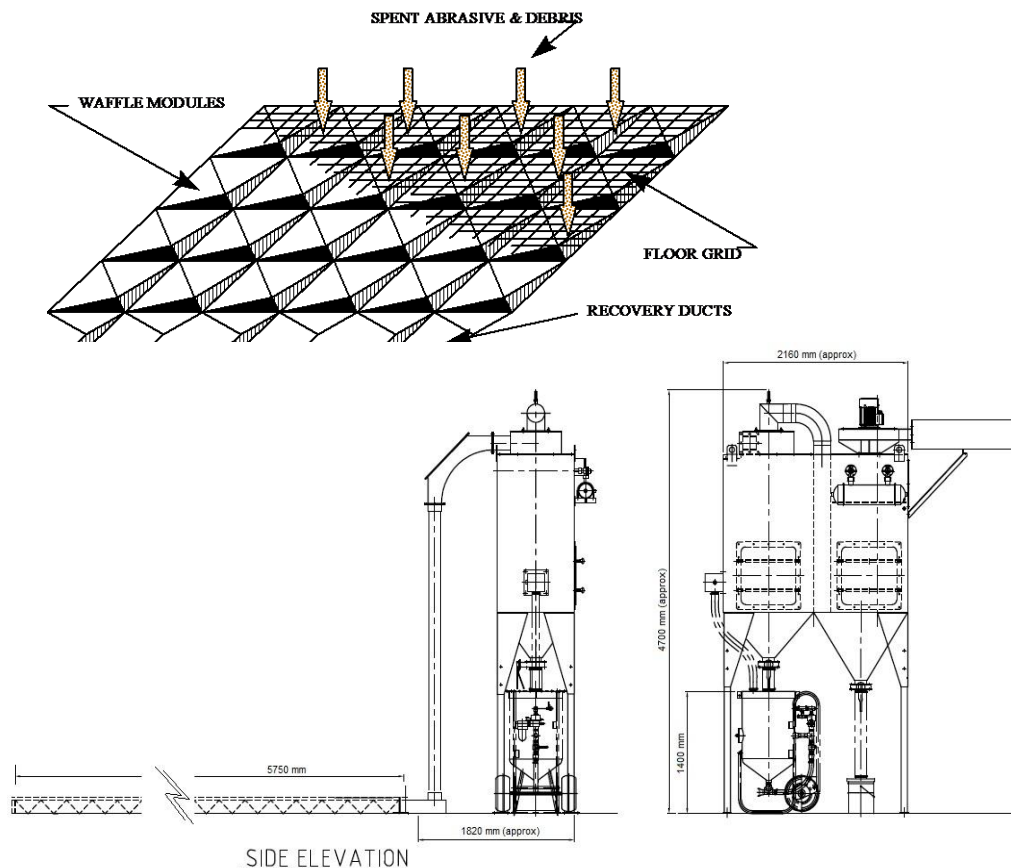
- Portable/Stationary Abrasive Blast Equipment - Nozzles - Nozzle Holders - Hoses - Couplings - Lighting
- Wetblast Equipment - High Pressure Waterjetting - Personal Protection - Blast Cabinets - Dehumidifiers
- Blastrooms Vacuum Blast/Recovery Equipment - Portable/Stationary Wheelblast Equipment
- Pipe Cleaning/Coating - Air Treatment - Mobile Dust Collectors - Media - Paintspray Equipment
- Plural Component - Measuring Instruments

Technical information

Item	Description
Waffle Floor	5750mm x 600mm x 300mm (L X W X D)
Abrasive Recovery Area	3.45 m ²
Abrasive Recovery Rate	Approx. 1.5 t/h
Dust Collector	Reverse Pulse
Capacity	1,200 CFM (2,040 m ³ /h)
Size	4 x Jumbo Filter Cartridges
Filter Area	76 m ²
Power Rating	7.5 kW

Note: If the abrasive blasting process is limited to removing Mill Scale from steel and steel grit is the specified abrasive, an optional Ventilation Dust Collector is not required.

Waffle schematic



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