

MECHANICAL RECOVERY SYSTEMS

These combination units are specifically designed for Abrasive Media reclaiming and recycling. Media is collected at the base of the Bucket Elevator through an inlet hopper or in an under-floor Screw Conveyor. The Bucket Elevator lifts the abrasive and contaminants to a Screen where large contaminants are removed and onto an air wash for the removal of fines and dust. The Air Wash Separator is adjustable to suit all media from Steel Shot to Garnet Sand. Connected to the Air Wash is a Dust Collector. The ventilation airflow is used to pull the fine dust from the curtain of abrasive as it falls under gravity through the Air Wash. Dust is collected, reverse pulsed cleaned from the cartridges and deposited in the Dust Collector Drum. Cleaned recycled Media is then stored in the Media Storage Hopper ready for recharging to the Blast Vessel.

Screw Conveyors

High feed rate helical screw conveyors are available in various lengths and housed in troughs to suit room layouts.

Abrasive Elevator

Multi-ply rubber belt and steel bucket type elevators are designed and selected to deliver the required recovery rates and heights to cater for additional equipment. All driven via electric or air motors and reduction gear boxes. The elevators are fitted with a removable inspection hatches.

Air Wash Separator

A range of separators designed for all commonly used abrasives and quantities, provide adjustable accurate separation of dust and media.

Trash Screens

As media debris can be excessive and as the primary screen is designed to prevent large debris only, a range of screens can be fitted to the airwash, including static, vibrating and rotary screens.

Storage Hoppers

Purpose built storage hoppers to store reclaimed abrasive ready for loading into the blast pots will provide longer periods of blasting between cleanups. The storage hopper is fitted between the airwash and the blast hoppers.

Dust Collectors

To ventilate the airwash a reliable dust collector capable of the specified duty is required. We recommend Dustech Reverse Pulse Cartridge Dust Collectors for this application.

Blasting Vessels

ABSS supply a complete range of Blast pots to suit our clients needs as required.



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