

DFS FINES REMOVAL SYSTEM

Our patented DFS is a gravity feed fines removal system. DFS units can be used press-side or centrally depending on the application. If used in conjunction with our recommended Material Loading System, dust particles may be removed from regrind and virgin material as well.

WHAT THE DFS INCLUDES:

The DFS unit includes a 6" x 6" mounting flange; rotating tumbler with gating system; filtering screen; 110v motor with on/off controls, and 2.0" O.D. outlet ports. See reference diagram below.

HOW IT WORKS:

Our patented material hopper (available separately) is mounted to the DFS mounting flange. From the material hopper, gravity feeds the material into the feed throat and through the rotating tumbler and gating system. The fines filter through the screen and exit the outlet. The clean regrind continues to move through the tumbler and gating system and exits the motor-side outlet port.

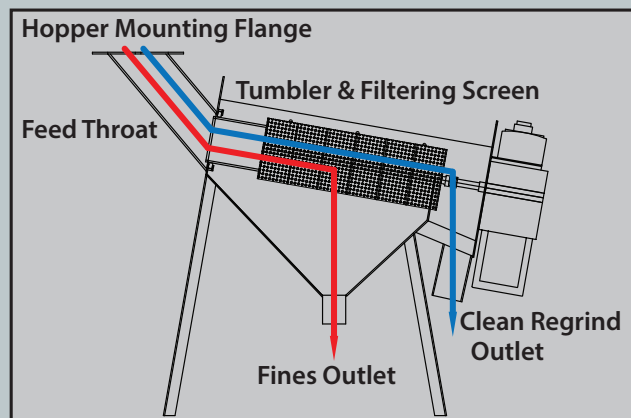
The filtering screen size is dependent on the regrind type, size and quality. Throughput estimates vary due to regrind and filtering screen size. Several DFS models available. A material sample must be submitted for evaluation for proper sizing.

Pat. US8556082B2, US11446705B2

The picture above shows the entire package including: DFS-0618; DFS MATERIAL LOADING SYSTEM; and DFS CART PACKAGE

The tumbler and filter screen are easily removed for maintenance and cleanout. Unit must be grounded to help reduce static.

Product specifications and design is subject to change without notice.



DFS Fines Removal System

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SIZE REDUCTION SPECIALISTS

DFS Model	DFS 0308	DFS 0412	DFS 0618	DFS 1236
Use	Press-Side	Press-Side	PS & Central	Central
Throughput ¹ per Hour	± 30lb	± 60lb	± 250lb	± 1200lb
Footprint Width Depth Height	27" 08" 16"	30" 12" 24"	39" 14" 29"	56" 20" 46"
Available Screen Sizes	All Models: 1/8" 3/32" 5/64"			

¹ Throughput will vary based on screen size and regrind material type, size and quality.

Voltage for all models: 110V Single-Phase

MATERIAL LOADING SYSTEM

Compatible with all Press-Side DFS models

The Material Loading System includes: a stainless-steel material feed hopper; 110v material loader with controls; and a vacuum motor with filter bag. All connections are 1.5" O.D.

HOW IT WORKS:

When a lack of material is sensed, it will signal the high velocity vacuum to draw material into the stainless steel hopper inlet. The vacuum draws the material loader flapper closed, pulling dust through the hopper screen and out through the vacuum outlet into a filter or holding bin. When the draw cycle is complete, the flapper opens, releasing the material into and through the loader throat.

Customer supplied 1.5" I.D. evacuation hose and material loading wand* will be required.

A portable cart option is recommended (not included) to house the system.

*** For best results, the material loading wand should have an air adjustment, not provided.**

DFS PORTABLE CART AND BINS

Compatible with all Press-Side DFS models

DFS CART PACKAGE:

The package includes: a portable cart; and two holding bins.

Both material holding bins have sealed lids to contain the fines and regrind. 2" holes are installed in the lid to allow regrind and fines to flow freely from the DFS into the material holding bins. A wand port is installed in bin allowing clean regrind to be pulled and used immediately by the user.

Material may bridge in the center of the bin and should be monitored.

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