



# Food

## PROCESSING

*Dust collectors used in the food processing industry often require modifications including ledge-free designs, stainless steel finishing and fire and deflagration suppression systems.*

**S**pecial consideration should be taken when choosing an air cleaning system for food processing. Fugitive dusts from breads, cereals, snack foods and seasonings can migrate onto floors and expensive machinery, leading to slippery surfaces and increased maintenance problems. Additionally, it is important to determine the placement and accessories for a dust collector that will be containing combustible ingredients, like sugar and starches.



*SFC 32-4 with Safety Filter used for blending powdered cheese, baking mixes and tortillas.*



*Stainless ducting is used with this dump station. Ducting is attached to SFC 32-4 above.*

United Air Specialists can provide the right dust collection package to help avoid safety hazards within your food processing facility. UAS systems provide cleaner air, longer filter life, easy maintenance and overall cost savings. Available in a variety of configurations, our dust collectors can be used in conjunction with all types of material handling, including bin vents, conveyors, chutes, bucket elevators and transfer stations.

- Blending
- Coating
- Cross-Contamination
- Drying
- Granulating
- Mixing
- Packaging



*SFC 12-3 with Cyclone used for blending dry dairy and other food ingredients for baked goods and snack foods.*



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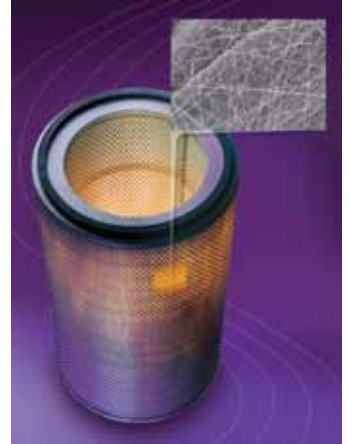
## SFC Dust Collectors—Less Energy Usage

The SFC uses an obstruction-free, horizontal filter arrangement with our patented pulse cleaning mechanism to effectively clean the cartridge filters. At any point along the cartridge, the SFC provides 25% or more pulse cleaning power than other similar sized systems. As a result, fewer pulses are needed, and less compressed air is used—a significant savings over the life of the unit.

## Protura® Nanofiber Cartridges Cost Less Long Term

United Air Specialists' MERV 15 cartridge filters last up to twice as long as standard commodity filters. Protura Nanofiber filters also ensure low pressure drop due to an extremely fine web-like coating on the surface of the filter. As a result, you get the best of both worlds—less filter changes and lower energy costs—because less pulse cleaning is required.

UAS also offers Spun Bond and other washable filters for processing sugars, candies and other confections. These types of sticky ingredients tend to absorb moisture and require specialized cartridge filters.



Protura® Nanofiber filter



Explosion Vent



Bag In/Bag Out Filter Change



Safety After-Filter

## Many food processing companies add the following options to their dust collection systems:

- Bag In/Bag Out Filter Change
- Bin Level Indicators
- Clean In Place (CIP)/Wash Down Capability
- Explosion Vents
- HEPA Safety After-Filter
- Ledge-Free Design
- Polished Finish
- Stainless Steel 304 & 316
- Fire/Explosion Suppression System

To find your local UAS manufacturer's representative, visit

**[www.uasinc.com](http://www.uasinc.com)**

or call Customer Service at

**800.252.4647**



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