

# PNEUMATIC CONVEYING OF MATERIAL WASTE & DUST



Your AirTrim Representative is:



# Your single source for Trim, Matrix, Dust and Waste Removal Systems

**AirTrim, Inc.** designs and fabricates pneumatic conveying systems. These systems use air to move or transport your product or waste component from a source to a desired receptacle. Used in the paper and label industries for years to convey paper, film and foil trim, dust, and matrix waste, other industries are discovering the benefits of moving waste product by air. Recycling centers, pharmaceutical and medical suppliers, food and beverage industries, and mail and banking distribution centers are discovering the financial, time, and safety benefits of pneumatic conveying systems.

## Improve Production Efficiency

The pneumatic conveying of material saves your company money and improves production efficiency. By automating this process, labor intensive tasks and machine down times are eliminated, resulting in continuous, profitable production.

## Regain Valuable Floor Space

Automating the product or waste transport process eliminates floor and aisle clutter from dumpcarts, spools, material, and other production bottlenecks. Floor plans and equipment placement layouts are more efficient and free of potential safety hazards, allowing machine operators to move freely from task to task.

## A Size for Any Budget

From budget conscious, pre-engineered systems to multi-intake central systems, your system is custom-designed for your specific application.

## Troubleshoot Your Existing System

Problem solving your system for noise, running speed, static, fluttering, and plugging need not result in a new system. Contract AirTrim's technical service experts to evaluate your system and make recommendations for retrofit components as a cost effective alternative. You will receive a complete, comprehensive report of the issues and proposed solutions.

## Built to Last

Each pneumatic system is engineered for your specific application by analyzing your objectives and process requirements. Then, using quality materials and rugged construction, each system is designed, fabricated and installed for years of continual use.

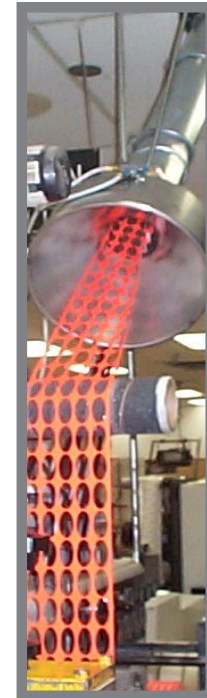
## Performance Guarantee

AirTrim backs its design and installation of systems with a straight, to the point, performance guarantee.

**Your system will perform as promised. AirTrim ensures your complete satisfaction.**



Rooftop installation of blowers, inducers and duct. Long duct runs in a pneumatic system require precise design and engineering to maintain optimal material air flow.



PSA Label Matrix entering the intake at the start of the waste removal system.

## Blower System

Conveys material “in form” through an inducer or venturi relatively unchanged to the receiver. Molded plastic, metal, matrix trim, fabric, or any product that is tear or cut resistant travels easily through a blower system.

## Material Handling Fan System

Tears material, like paper, cardboard, tissue, vegetable waste, and log saw cookies as it passes through the fan blades.

## Chopper System

Bulkier, heavier, or larger material types may need chopped before going through the material handling fan. Rotating blades within the chopper cut the material into strips or smaller pieces for ease of conveying.

## Conveying Package - Rental Unit

An economical, portable system for conveying material to a receiver, usually within 30 feet, these systems are also available for rental at a nominal fee. Ideal for testing in your facility, on your equipment and material before committing to purchase. Both blower systems and material handling fan systems are available. Optional equipment includes silencers, fabric separators, and dump carts.

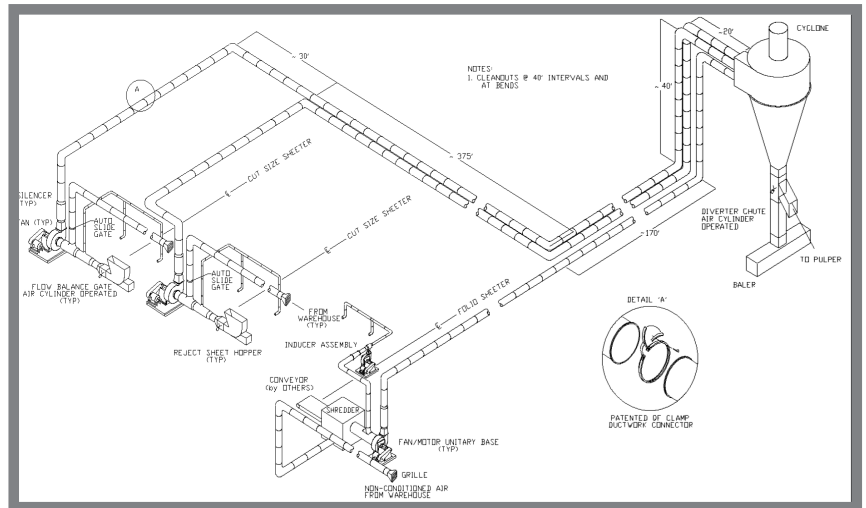
## Dust Systems

Industrial dust is a hot button for OSHA who has committed to increased plant inspections by both the State and Federal agencies. Their “Status Report on Combustible Dust National Emphasis Program” of October, 2009 notes that from October 2007 through June 2009 the average number of dust related violations per inspection were greater than 6.5 and the average penalty \$1,233 per violation. More information can be found on OSHA’s website dedicated to combustible dust hazards located at [www.osha.gov/dsg/combustibledust/index.html](http://www.osha.gov/dsg/combustibledust/index.html).



Installed dust removal system.

For more information visit [www.AirTrim.com/DustCollectionSystems](http://www.AirTrim.com/DustCollectionSystems).



Central system conveying paper waste material with multiple intakes uses blowers with inducers and material handling fans. Note the material is going from the cyclone through a diverter chute into either a baler for recycling or to a pulper for reclaiming.

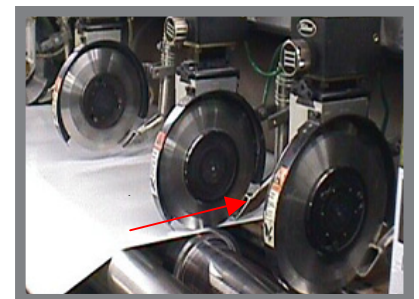


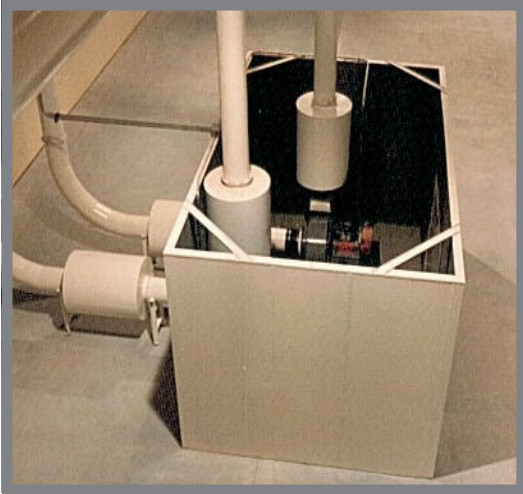
Rented Blower system conveying package for paper trim conveying.

AirTrim has partnered with Dantherm Filtration, a global supplier with over 50 years of experience in the dust, fume, and mist collection business, to provide pneumatic waste system dust collection units. These units exceed current dust collection standards.

A Source Capture System collects dust at it’s source, the slitter knife, in slitting operations.

Intake hoods positioned at the slitter knife capture dust from the cut sheet, vacuuming it away through the re-positional flexible tubing to the vacuum unit.





Sound enclosure/in-line silencers for material handling fans.

## INDUSTRIES SERVED

Automotive  
 Distribution Centers  
 Film  
 Flexo Printing  
 Foil  
 Food and Beverage  
 Food Preparation  
 Label  
 Mail  
 Newsprint  
 Non-Woven  
 Packaging  
 Paper Mill  
 Plastics  
 Recycling  
 Textile  
 Tissue  
 Woodworking



Installation of a weather covered separator

## MATERIAL CONVEYED

Aluminum  
 Carpeting  
 Confidential Material Shredding  
 Corrugated  
 Die Cuts  
 Dust  
 Edge Trim  
 End-Cuts  
 Fabric  
 Flexo waste  
 Foil  
 Fresh Cut Vegetables  
 Laminates  
 Log Saw Cookies  
 Matrix  
 Metal Cans  
 Metal Scrap  
 Newsprint  
 Non-Woven  
 Paper  
 Plastic Bags  
 Plastic Bottles  
 Plastic Film  
 Plastic Sheet  
 Poly-coated paper  
 Punch Outs  
 Paperboard  
 PSA  
 Release Liner  
 Rubber  
 Tissue  
 Toweling  
 Trim and Broke

## TECHNICAL ASSISTANCE

Custom Designed Systems  
 Installation Supervision  
 Start- up Assistance  
 System Audits and Reviews  
 System relocations



Separator with a return air system and discharge chute into a compactor

## PRODUCTS OFFERED

Air Filtration  
 Antistatic Mist Systems  
 Auto-Flow Controllers  
 Balers  
 Capped Silencers  
 Choppers/Cutters  
 Chopping Diverters  
 Compactors  
 Conveyors  
 Diverter Chutes  
 Duct  
 Dust Bags  
 Dust Collectors  
 Dust Fans  
 Fabric Separators  
 Floor Sweeps  
 Gaylord Covers  
 Granulators  
 Intakes  
 In-line Silencers  
 Jumbo Venturi/Inducers  
 Material Handling Fans  
 Matrix Twister™  
 Minipactor™  
 Motor Starters  
 Rental Units  
 Return Air Systems  
 Separators  
 Shredders  
 Silicone Mist Systems  
 Sound Enclosures  
 Sound Jackets  
 Static Eliminators