



Pneumatic Conveying Systems

Pneumatic Matrix Removal vs. Spooled Matrix Removal

SPOOLED MATRIX REMOVAL

For years, label press manufacturers relied on waste wind-up airshafts to remove sticky matrix and trim. They literally had no other options as the adhesive backing made it impractical to consider other removal techniques.



With air waste windup you may experience:

1. Press shut downs due to difficulty in spooling matrix
2. Press shut downs to remove full matrix spool before end of stock roll.
3. Breaking or snapping of thin or fragile matrix during spooling
4. Lost ink and substrate while changing spooled matrix.
5. Employee risk for back injury related to heavy spool removal
6. Lost usable floor space due to need for dump carts, cores, and spooled matrix at machine .



PNEUMATIC MATRIX REMOVAL

Pneumatic matrix waste removal system advantages include:

1. Production increase - no need to stop the press to remove waste matrix.
2. Press speed increase - no need to slow press for difficult spooling.
3. Label quality improvement - employees can concentrate on production, not waste
4. Ability to use smaller width roll stock - may remove matrix as narrow as 1/16".
5. Core cost elimination.
6. Workers Compensation reduction - no manual waste wind-up removal.
7. Additional floor space adjacent to press .



Call 1-888-247-8746 or email sales@AirTrim.com to request more information.

We look forward to hearing from you!

AirTrim offers Venturi and Chopper Systems; depending upon customer specifications. The following is a general overview of each type.

Continuous venturi systems

1. Less initial investment for most applications
2. Generate no dust
3. Quieter
4. Maintenance free (no blades to sharpen or replace)
5. Enhance baler performance and baler quality for better recycling

Chopper systems

1. Generally use slightly less power
2. Reduce material bulk for non-compacted or non-baled systems
3. Chopper knives require periodic re-sharpening or replacement
4. Require additional sound abatement