

DE-STONER®

Air Classifier / Density Separator

GK patented technology

The General Kinematics DE-STONER® is a performance proven method of separation and classification for a wide range of recycled materials including:

- ✓MSW and other commingled materials
- ✓ASR - Auto Shredder Residue
- ✓C&D Construction/Demolition waste
- ✓Bio-mass fuel
- ✓RDF fuel

How the DE-STONER® works

Energy-efficient vibratory action and high velocity, low pressure air streams work in tandem to fluidize and stratify commingled materials according to differences in terminal particle velocity. Many DE-STONER® systems are designed with "air curtains" to provide further separation after the initial cut of "heavies".

The result: fast, efficient removal of heavy materials such as stones, metalics, and glass from lightweight materials such as aluminum, paper, plastics and wood.

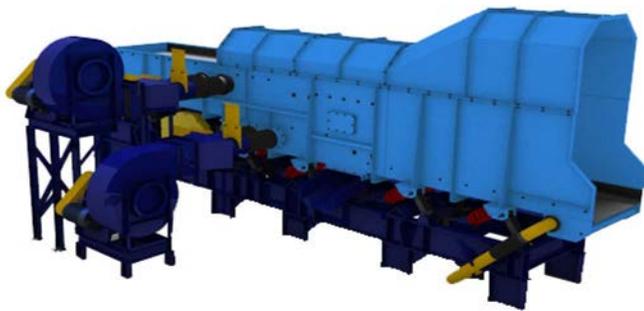
Simple, dependable dry system

Our economical, completely dry DE-STONER® system eliminates the need for a water supply and other attendant "wet" system problems. However, the DE-STONER® can easily handle moist materials.



DE-STONER® Features

- ✓ The DE-STONER® uses air instead of water to separate heavy product from light product, eliminating the mess and environmental hazards water separation creates
- ✓ Large processing rates
- ✓ Virtually jam-proof design with no moving separator parts
- ✓ Inherently simple, fully isolated design minimizes foundation requirements
- ✓ Versatile design separates material of different density, or equal densities with varying particle size
- ✓ DE-STONER® driven by energy efficient low horsepower motor
- ✓ Rugged, heavy duty construction withstands 24-hour operation
- ✓ Available in Single, Double, Triple and Air Recirculating Systems



SYNCRO-CUSHION® Coil Spring Drive

Our proven SYNCRO-CUSHION® Coil Spring Drive combines the advantages of natural frequency vibratory action with a rugged drive and trough connection. The flexible coil spring connection allows for minimum motor starting torque and less drive stress than direct drive designs. Best of all, SYNCRO-CUSHION® Drives are designed with minimal parts and piped lubrication for easy maintenance.

