



*The **heart** of your
Sorting System.*

DE-STONER® Air Classifier / Density Separator

GK patented technology

The General Kinematics DE-STONER® Air Classifier 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".

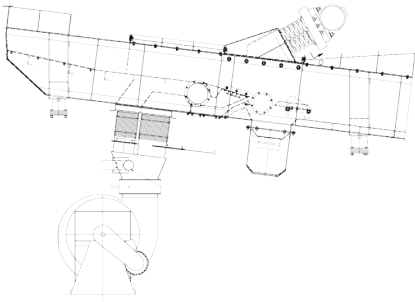
The result: fast, efficient removal of heavy materials such as stones, metallics, and glass from lightweight materials such as aluminum, paper, plastics and wood.

Simple, dependable dry system

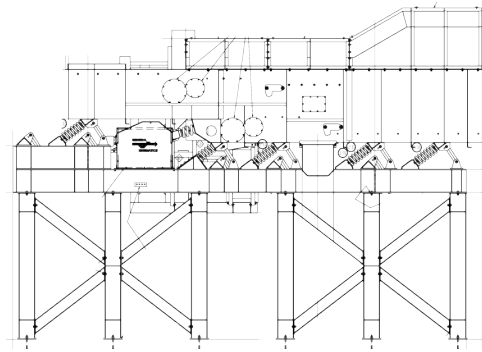
Our economical, completely dry DE-STONER® system eliminates the need for a water supply and other attendant "wet" system problems. However, the DE-STONER® can easily handle moist materials.



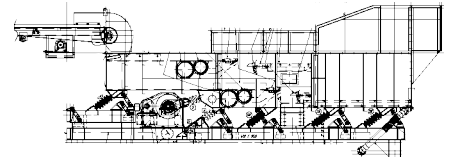
CAD Example



SINGLE KNIFE DE-STONER® AIR CLASSIFIER



DUAL KNIFE DE-STONER® AIR KNIFE SEPARATOR



TRIPLE KNIFE DE-STONER® AIR CLASSIFIER

Specs

Function:	Classification & Separation
Components:	Electric Motors, Isolation Springs, Reactor Springs, Steel Construction, Screens, Liners
Construction Material:	Abrasion Resistant Steel, Mild Steel, Rubber, Stainless Steel
Power Requirements:	Up to 60 hp
Width:	Designed per application up to 84" wide
Length:	Designed per application up to 40" long
Weight:	Up to 60,000 lb
Capacity:	Up to 300 yd/h
Air Knife Options:	One, Two, or Three
Analysis:	Fatigue, FEA, Stress
Finish:	Bead Blasted, Epoxy, Galvanized, Painted
Production Volume:	Built to Order
Benefits:	Efficient, Low Maintenance, Reliable, Rugged, Safe Operation, Large Processing Rates
Secondary Services:	Customer Support, Field Service, Additional Features
Quality:	ISO Certified

Add Ons

DE-STONER®
Air Classifier and
Lights Drop Out Box



Options:

- Air Recirculation
- Near-Zero emissions
- Horizontal Air Classifier
- VFD Control

Application Photos



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