

DE-STONER®

Air Classifier

Vibration ▪ Fluidization ▪ Classification

The General Kinematics DE-STONER® Air Classifier is a performance proven method of separation and classification for MSW, ASR, C&D, bio-mass fuel, RDF fuel, and more.

How the DE-STONER® Works

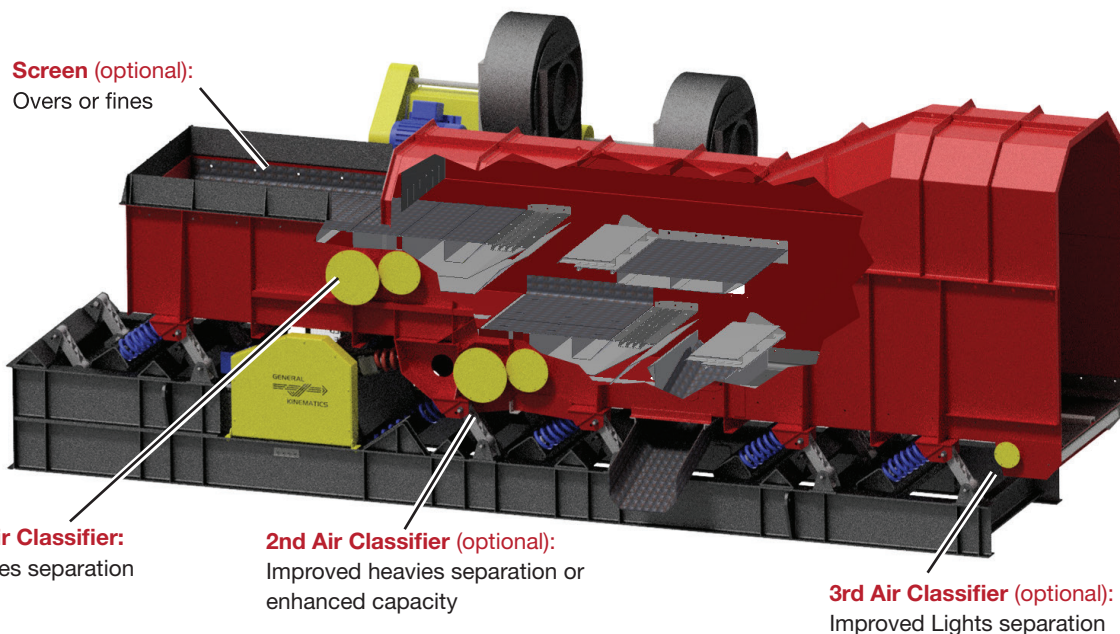
Energy-efficient vibratory action and high velocity, low pressure air streams work in tandem to fluidize and stratify commingled materials according to differences in terminal particle velocity. Many DE-STONER® systems are designed with "air curtains" to provide further separation after the initial cut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



Customize to meet your sorting needs.

Add optional screens or air classifiers.



Separate Smarter

The DE-STONER® Air Classifier incorporates three dynamic elements for optimal density separation:

Vibration – Two-Mass natural frequency design liberates materials, and spreads it across the unit effectively.

Fluidization – preps the material bed for the air knife by creating turbulence to stratify the materials and liberate the lights trapped beneath heavies.

Classification – the air knife provides the final separation, partially by density, partially with aerodynamics, for optimal results.

Unmatched Material Sorting

The DE-STONER® is adaptable to a wide variety of materials, is capable of processing large volumes, and is virtually jam-resistant. Vibratory action moves the material while light materials are discharged into the dropout box.

- 2-4 fractions: fines, heavies, lights, and ultra-lights.
- Jam-resistant: material flow has zero contact with moving parts.
- Low energy demand with low HP motor and GK's proven Two-Mass design.
- Heavy-duty, built to last construction.
- Eliminates environmental hazards associated with water separation.

GKR-16 DE-STONER®

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