

Destoner Separators SBL

Separation by Density Differences



The Rollier Destoner Separators Model SBL

The vibrating Destoners SBL series are used to separate the tramp material from other material. It separates, using the difference of density, solid and heavy particles from light and flat particles.

The Rollier Destoner is particularly useful in separating:

- Compost—Glass and Stones Removal
- C&D Waste
- Sawdust & Sand
- Woods and Sand
- Municipal Waste
- Glass



Rollier Destoners are vibrating machines that separate light and heavy particles of a similar size. They have many applications in the recycling and industrial sectors and are particularly useful for processing C&D waste.

The Destoner comprises of adjustable gradient steps coated in smooth steel, integrated in a vibrating tray. The material is cascaded onto the steps, which separates the light and heavy materials.

One common application of these machines is the separation of sand from wood in biomass facilities. For this purpose the lower deck is formed similar to a bottle holder, so that the wood, once placed on the machine, does not roll backwards. These machines are also used in recycling plants to separate plastic or paper from heavier materials.

Rollier Destoners are available in 5 sizes:

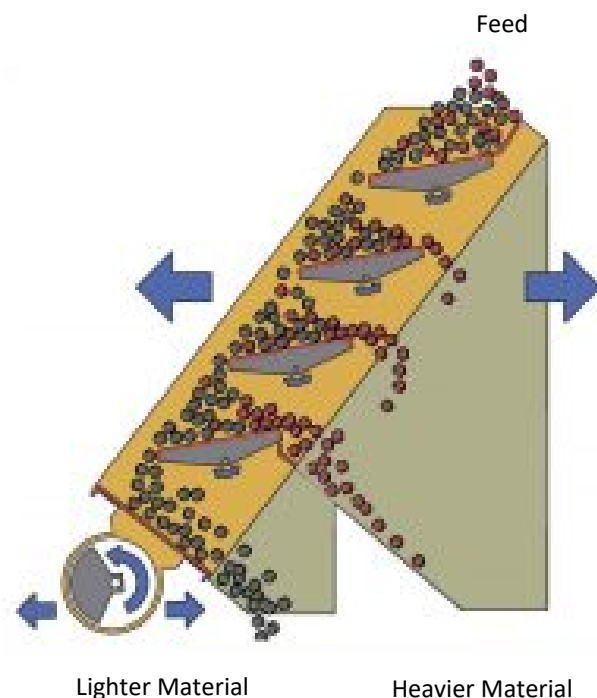
SBL 500 - Width 500 mm

SBL 800 - Width 800 mm

SBL 1000 - Width 1000 mm

SBL 1500 - Width 1500 mm

SBL 2000 - Width 2000 mm



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SEPARATION EXPERTS
MATERIAL SEPARATION MADE EASY

Densimetric Separators
Separation by Density Differences

The Rolier Densimetric Table Model MWH/MSD
The Densimetric Table is a combination of fluid bed technology and inclined vibrating table. The injected air forces the lighter density particles, while the vibrating table transports toward the table the heavier particles.

The Rolier Densimetric Table is particularly useful in separating:

- Compost/Glass and Stones Removal
- Shredded Separation
- Material/Plastic separation—Chopped wire for example
- Waste and Plastics
- Shredded tires and extruded wire
- Shrapnel Shrapnel and Shrapnel from wire material

The Rolier Shredded Densimetric Table is a fluid bed and inclined table combination. The injected air creates a bed of particles that, by density and vibration, moves toward opposite sides, depending on the apparent weight or apparent density. This allows that material of different densities and granularities to be separated.

The Shredded Densimetric Table works with two fans controlled by frequency converters (VFDs) integrated in the electric control cabinet. This creates an air flow that goes through a vibrating table that is fed with the material to be separated. The heavy particles go to one side and the light particles to the other side.

Particularly useful in shrapnel removal, removal of shrapnel from grapes more from wire material, removal of shrapnel from shrapnel materials from shrapnel, separation of shrapnel from metal, and removal of wire from shrapnel and ground lines.

From recovery by options, dual collection or combination of both. Feed is the optimum for by conveyor or vibratory feeder.

Available in 7 models with table widths from 800 to 2100 mm and lengths of 1300 mm.

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SEPARATION EXPERTS
MATERIAL SEPARATION MADE EASY

Sizers
Screening and Separation

Sizers, manufactured in 4 different types, with linear or elliptical movement generated by simple vibratory motion, up to 6 screens and 7 separations.

Roller Sizers are:

- Roller
- Simple Design
- Compact
- Near Zero Maintenance
- Low Power Consumption
- Easy Screen Mesh Replacement

MS Sizers – High performance, multi-screen sizer powered by one energy saving electric vibratory motor. The elliptical movement provides high capacity and extremely effective screening.

ME Sizers – High performance, multi-screen sizer powered by two energy saving electric vibratory motors. The linear movement provides high capacity and extremely effective screening. Applying the principle of mechanical classification, the goal is to obtain the greatest probability of passage of the particles to be screened through the apertures of the meshes in the least possible time.

ML Sizer – Same as the ME sizer but with a longer screen deck to accommodate higher throughput or cut that are close in size. The ML is suitable for high capacity as well as small particle separation.

SH-Flow Sizers – The vibrating SH-FLOW sizer is a five deck sizer so that the intermediate deck is an perforated sheet. This allows it to behave as two sizers of two decks, joined in one machine. This is the best solution to screen fine sands and save space and only require one feed conveyor.

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