



# CS3500

## THE POWER OF 5-STAGE SEPARATION

The Vermeer CS3500 contaminant separator is equipped with technology designed to minimize the labor involved in the organic waste recycling industry. Using a combination of grizzly screens, shaker tables, vacuums, an air manifold and an optional magnetic pulley to remove a wide range of contaminant types, the CS3500 helps recycling operations produce high-quality compost and mulch.



### STAGE 1

Incoming material from screening equipment is loaded onto the CS3500 contaminant separator's 9-ft (2.7-m) high, 36-in x 60-in (91.4-cm x 152.4-cm) infeed shaker table. The deck's pyramid design spreads incoming material out across the width of the table before it passes through a grizzly screen that removes large debris.

### STAGE 2

After material passes through the grizzly screen, the contaminant separator's infeed belt transports it to the top of the machine, where it drops onto a vibrating shaker table. During the fall, an infeed vacuum removes lightweight debris from the material.

### STAGE 3

The shaker table agitates the material as it travels across the surface to free remaining contaminants. In addition, the CS3500 air manifold blows across to the table to remove bulky, lightweight debris like Styrofoam and plastic bottles that a vacuum cannot pick up.

### STAGE 4

At the end of the shaker table, a second organic vacuum pulls remaining light contaminants from the material as it falls onto the discharge conveyor belt.

### STAGE 5 (OPTIONAL)

Users can add a magnetic pulley to the front of the discharge belt to remove small ferrous metals, like nails and screws, from the end product.

### CONTAMINANT REMOVAL

All contaminants removed in each stage are rerouted to an adjustable trash conveyor. This flexible conveyor adjusts for loading containers, trucks and stacked piles.