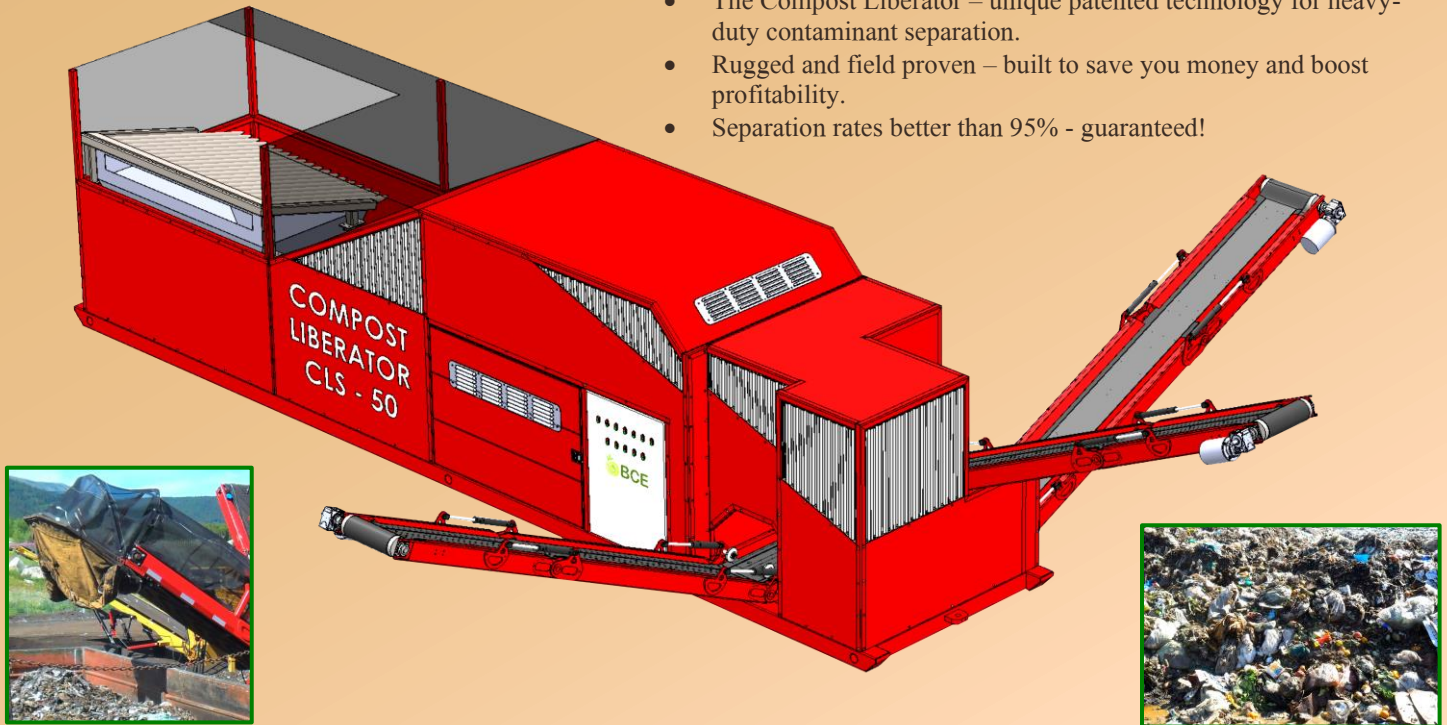




CLS-50: The Compost Liberator Contaminant Separator Skid

- The Compost Liberator – unique patented technology for heavy-duty contaminant separation.
- Rugged and field proven – built to save you money and boost profitability.
- Separation rates better than 95% - guaranteed!



Complex Problem, Robust & Simple Solution

Separating contaminants from compost is a difficult and complex problem. The Compost Liberator system is unlike any other contaminant separator on the market today – a simple system that can achieve consistent, reliable separation of a wide range of contaminating material types. The Compost Liberator achieves an average separation rate of 95% or greater, even with high moisture content material. Designed with energy conservation as a priority, it uses a fraction of the energy compared to traditional contaminant separators, yet delivers incomparably better results.

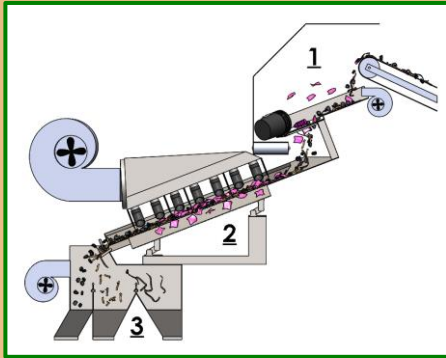
After almost a decade of research and development, we understand the limitations of air classification (or “windsifting”) and density-based separation techniques. Developed at a commercial compost facility, the Compost Liberator is built for real-world, heavy-duty contamination. Where traditional separators simply suck – literally, the Compost Liberator is packed with patented separation processes that won’t block up or require ongoing adjustment, even if the moisture content changes.

Built to separate everything from barely visible plastic particles, to chunks of carpet, to chainsaws, and just about every imaginable consumer good in between, the Compost Liberator offers a simple and robust solution to a complex problem.



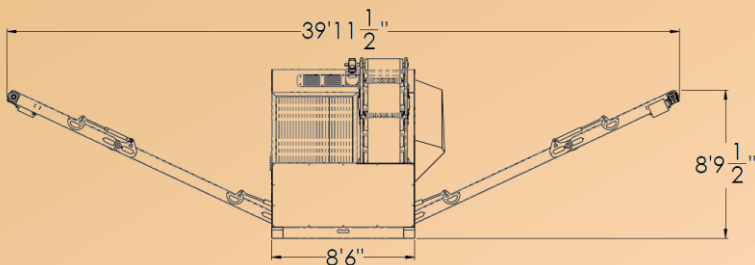
How it Works

The unique patented 3-stage system uses 7 different separation techniques that guarantee outstanding performance, even under unfavourable conditions. We have responded to the complexity of the contaminant problem by using differences in drag, size, shape, weight, density, hardness, and momentum to deliver consistent results in a simple package.



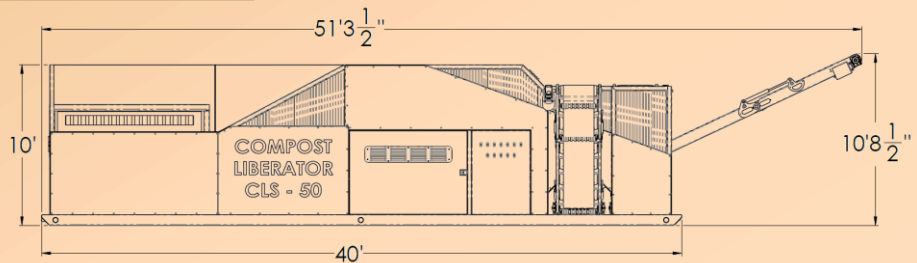
1. The scalping screen and air-knife, for removing oversized objects and some light plastics.
2. The patented vibrating deck and riffle process is the backbone of the system. Using several unique separation techniques, film and hard plastics are liberated from the compost. Air flow is used to transport the garbage off the deck.
3. The patent pending stone and glass separator uses differences in material hardness to reliably separate out organic matter, regardless of moisture content. An air-knife aids this process, and also removes synthetic fibres and fluff.

Technical Specifications



Throughput: 50 cubic yards per hour @ 45% moisture content, heavily contaminated material (approx. 25% contaminants by volume), delivering minimum 95% separation rate.

Note: throughput may be up to 70 cy/hr with lower contamination levels.



Power consumption: 15 kW
(depending on options)

Weight: 15 tonnes.

Moisture content range: up to 70%

Features

- High capacity garbage conveyor cleanly loads trucks and roll-off bins, eliminating blowing plastic.
- Stationary or skid configurations.
- Folding conveyors on skid configuration for ease of transportation and quick set-up.
- 5 cubic yard capacity hopper for loader or trommel feeding.
- Ultra-low energy use + low wear = low operating cost.
- Electric drive, with diesel option.

Our Guarantee

BCE has a guarantee that reflects our high standards. We guarantee the Compost Liberator to:

- Separate **a minimum** of 95% of film plastic, hard plastic, synthetic fibres, stone, glass, and metals.
- Use less energy: 15kW (approximately 60% less energy than equivalent vacuum systems).
- Never to plug-up or damage a vacuum blower – there are none!
- Eliminate the need for manual picking.
- Reliably upgrade and add value to your compost.
- Greatly reduce your disposal costs.



For more information, or to discuss your custom solution, contact us at:

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