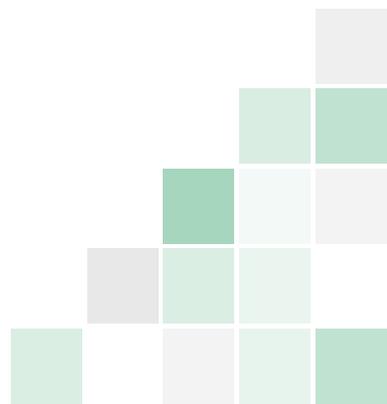




THE ELEMENTS OF

# SMARTER ORGANICS RECYCLING

By utilizing advanced technologies designed specifically for each step in the commercial composting process, any size operation can save time and money, and improve finished compost quality.



**STEP  
1**



**SHRED FOR BETTER AIRFLOW**  
 CRAMBO DUAL SHAFT SHREDDER

Shredding vs. high-speed grinding of green and organic waste is the first step in a successful composting process. Using a low-speed, high-torque shredder, like the Komptech Crambo, on the front end creates a product with greater surface area. This helps create better aeration and porosity in the windrow, as well as makes removal of contaminants much easier.

**KEY BENEFITS:**

- Increases airflow in the windrow for more consistent decomposition
- Keeps contaminants large enough to easily remove at a later stage
- Contaminants like rock and metal are handled easily, enabling more consistent production

**STEP  
2**



**MIX THE PERFECT WINDROW**  
 TOPTURN X-SERIES TURNER

Creating tall, peaked windrows is integral to a successful composting process. Komptech turners are engineered to efficiently mix the row from the outside to the inside, leaving behind a windrow with a desired "chimney effect". This provides the optimum amount of porosity and pile structure to increase temperatures, reduce composting times, and minimize odors.

**KEY BENEFITS:**

- Faster composting times increase site capacity and lowers cost of operation
- Space-efficient windrows allow overlap of up to a foot, further maximizing site capacity
- Odors are minimized when windrows are turned regularly

**STEP  
3**



**SCREEN FOR UNIFORMITY**  
 MULTISTAR STAR SCREEN

Screening compost helps ensure a high quality, uniform product. Screen with either a trommel screen or a star screen depending on what the input material is. Drum screens, like the Komptech Nemus 2700, are built for heavy, abrasive materials often found in topsoil. Star screens, such as the Komptech Multistar L3, are built to process wet material and organics.

**KEY BENEFITS:**

- Screening helps to prepare material for contaminant removal
- Star screens create flexibility with easily adjusted output particle size
- Utilize windsifting technology with star screens to screen and separate in one step

**STEP  
4**



**REMOVE CONTAMINANTS**  
 HURRIKAN S WINDSIFTER

The final step is the removal of contaminants. When glass, plastic, stones, and other materials that don't decompose are found in compost, it becomes difficult to sell. It's best to utilize separation technology such as the Komptech Hurrikan S windsifter which removes material like film plastics, ferrous metals and stones, and other round contaminants.

**KEY BENEFITS:**

- Remove unwanted contaminants that decrease compost quality
- Avoid cost of disposal by reintroducing overs materials back into the process
- Produce a higher quality end product that demands greater value in the market



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