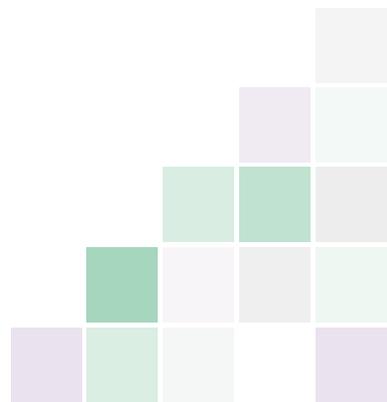




## THE ELEMENTS OF SMARTER C&D RECYCLING

By utilizing advanced technologies designed for Construction and Demolition (C&D) waste processing, operations can optimize production and produce cleaner commodities to increase revenue and maximize diversion



# THE ELEMENTS OF SMARTER CONSTRUCTION AND DEMOLITION WASTE RECYCLING



**STEP  
1**



**SHRED FOR DOWNSTREAM PREP**  
KOMPTech TERMINATOR

C&D is one of the toughest types of solid waste to process. It requires robust, well engineered equipment to handle the demands. The first step in smarter recycling is to downsize incoming material so downstream separation is easier. The Komptech Terminator is a low-speed, high-torque shredder built to process tough C&D materials like wood, metal, concrete, and more.

**KEY BENEFITS:**

- Gain efficient downstream sorting and separating by pre-shredding MSW to size
- Maximize treatment productivity by providing a consistent waste stream flow
- Save time and money with consistent equipment uptime and reliable operation

**STEP  
2**



**SEPARATE FRACTIONS**  
KOMPTech BALLISTOR

The next step is separating 2D, 3D and fines materials for processing. With the Komptech Ballistor, the 2D fraction is separated from fines as it passes across the screen elements and is carried upward. The 3D fraction rolls backwards by ballistic movement and is removed. This process reduces the burden depth of materials to be sorted downstream.

**KEY BENEFITS:**

- Efficiently separate 2D, 3D, and fine fractions in one efficient process
- Reduce fines and small impurities from entering downstream equipment
- Reduce burden depth on belts for increased sorting efficiency and recovery rates

**STEP  
3**



**SORT TO MAXIMIZE RECOVERY**  
ZENROBOTICS HEAVY PICKER

Sorting of the 3-dimensional materials can be optimized through automation. The ZenRobotics Heavy Picker is an AI-powered robotic sorting system that enables autonomous, 24/7 picking of heavy and large materials weighing up to 65 pounds. A single Heavy Picker robot can sort multiple fractions, produce higher bunker purities and replace 2-3 manual sorters.

**KEY BENEFITS:**

- Gain continuous, 24/7 "Lights Out" production with automated intelligent robotic sorting
- Efficiently achieves a high purity of recycled materials for higher market value
- Increase worker safety and improve production rates compared to manual sorting

**STEP  
4**

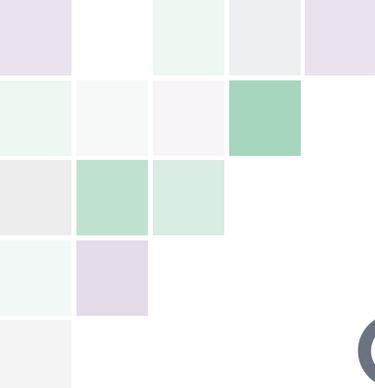


**SELL CLEANER COMMODITIES**  
CONVERT WASTE INTO REVENUE

By utilizing advanced technology designed for recycling C&D waste, processors consistently generate cleaner recyclable commodities and reduce production costs. By increasing the amount of clean recyclables generated, more commodities can be sold domestically, thereby increasing revenue, and lowering costs of waste diverted to landfills.

**KEY BENEFITS:**

- Automating processes streamlines production, efficiency, and improves operational costs
- More efficient separation and sorting increases the amount of clean commodities that can be sold domestically
- Higher purity leads to increased revenues



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