

Go Kinetic

- > Accepts multiple feedstocks
- > Creates homogeneous feedstocks
- > Offers exceptional durability, with a low total cost of ownership



The revolutionary material reduction technology that leaves shredders and grinders behind

Three key advantages over conventional shredders, grinders and hammer mills.

1



Exceptional Versatility

Situated indoors or out, a single TORXX unit can be configured to process a range of feedstocks. These include organic waste such as compost and yard waste and demolition waste such as glass, wood, asphalt shingles, carpet, dense plastics and railway ties.



2



Efficient, Flexible Reduction

Blend different feedstocks into one homogenized product. Specify sizes of output particles, whether powders, fluffs, granules or pellets. Achieve specified results in a single pass through.



3



Superior Reliability and Longevity

Our rugged technology for material self-attrition causes less wear on internal components, fewer breakdowns, reduced maintenance and an extended service life. It all adds up to a low total cost of ownership.

A Complete Circle of Strength

Using advanced aerodynamics, the TORXX Kinetic Pulverizer generates multiple vortices within an internal chamber to induce thorough matter-on-matter impact and size reduction. This large, rugged machine employs a 500 hp electric motor to drive a spinning shaft with arms at high speeds. Feedstock pulverizes itself in the powerful air currents created.

Rounding out the strengths of The TORXX Kinetic Pulverizer are numerous safety features, performance-monitoring sensors and an easy-to-use control panel enabling one-person operation.

DRIVE POWER

500 hp, three-phase AC motor power with VFD

THROUGHPUT

10-30 tons per hr depending on feedstock and output size

FEED OPENING

Top fed, width dependent on input conveyor, can handle conveyors as wide as 54"

DRUM HEIGHT

7.5 feet, input hopper can add 3-7 feet



Burn it Brighter TORXX for Waste to Energy

Improve reaction kinetics for faster, cleaner, more complete combustion and higher heating values. The TORXX Kinetic Pulverizer optimizes subsequent burning by reducing combustible materials to smaller particles with increased surface-to-volume ratios and lower moisture content.

THE TORXX DIFFERENCE

- > Process municipal solid waste, construction and demolition waste and/or biomass either singly or in combination.
- > Increase bed-mixing coefficients with smaller, more homogeneous particles to reduce retention time and minimize ash creation.
- > Use less primary combustion air to reduce flue gases and minimize associated pollution control costs.
- > Process pallets, railway ties and other metal-containing feedstocks with less risk of incurring unit damage, downtime and servicing costs.



Preserve the Goodness TORXX for Composting

Unlock the value of organic material currently going to waste in landfills. The TORXX Kinetic Pulverizer supports the efficient conversion of organics into nutrient rich compost for restoring soils, cutting greenhouse emissions and decreasing chemical fertilizer use.

THE TORXX DIFFERENCE

- > Pulverize sharps such as glass and plastics contaminating organics to improve the quality and value of the resulting compost.
- > Quicken curing by reducing organics to smaller particles with increased surface area exposure.
- > Optimize blending of food waste, yard waste and other organics to increase porosity and free airspace, support recipe creation and create engineered end products.
- > Break feedstocks down quickly to speed composting and blend different feedstocks to increase revenues.



Recycle the Build TORXX for Construction & Demolition

Give construction and demolition waste such as asphalt shingles and waste wood a second life. The TORXX Kinetic Pulverizer transforms waste materials into revenue-generating materials for re-use in secondary markets.

THE TORXX DIFFERENCE

- > Pulverize asphalt shingles to a variety of sizes, including powder size, for use in the manufacture of asphalt pavement.
- > Process asphalt shingles in a single pass through to increase output, lower energy consumption and reduce wear on parts.
- > Right size the reduction of construction-related wood, feedstock, to meet a variety of new uses as fuel in waste-to-energy conversion, as yard cover, etc.
- > Process the toughest mix of post-construction and demolition materials efficiently and reliably.



To find out more about how this innovative cyclonic technology can meet your material reduction needs,
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