



ALTERNATIVE FUELS PRE-PROCESSING

SSI designs and manufactures size reduction systems to prepare solid wastes for thermal treatment or conversion to alternative fuels.

SSI has developed hundreds of systems worldwide for generating energy from many different waste materials—from industrial, municipal, and hazardous wastes to tires, mill waste, wood and other organic materials. SSI shredders vastly improve the combustion efficiency of the material.

The growing diversity of conversion technologies and feed systems means there is no “one size fits all” system for shredding. With multiple low-speed, high-torque technologies available, SSI provides solutions to each customer’s unique application, from coarse shredding to spec product sizes.

WASTE-TO-ENERGY SOLUTIONS

- Biomass fuel processors
- Construction and demolition (C&D) recycling facilities
- Cement kilns
- Hazardous waste fuel blenders
- Incineration plants
- Industrial and special waste processors
- Industrial boiler users
- Material recovery facilities
- MSW processors
- Paper mills
- Power companies
- Refuse-derived fuel (RDF) processors
- Recycling equipment OEM’s
- Thermal conversion technology OEM’s
- Tire-derived-fuel (TDF) processors
- Waste-to-energy plants



WHY LOW-SPEED TECHNOLOGY?

With successful installations in 51 countries, SSI is a global manufacturing leader in the waste-to-energy industry. Solid waste and thermal treatment facilities around the world rely on SSI’s low-speed, high-torque technologies to preprocess a broad range of materials for conversion to alternative fuels.

SSI holds patents on some of the industry’s most creative technologies. It’s these technologies that give our shredders important advantages over most traditional high-speed size reduction equipment.

LOW-SPEED ADVANTAGES:

- Less material preparation - accepts unsorted waste.
- Tougher to damage than high-speed machines.
- Very low vibration requires no special foundations.
- Lower dust and noise means a safer work environment.
- Lower maintenance and operating costs.
- Longer life to the cutters and entire equipment.
- Higher online reliability, less down time.
- Lower energy consumption.