



## PLASTICS & TEXTILES SHREDDING

SSI manufactures a variety of low-speed, high-torque 1, 2 and 4-shaft shredders specially suited for size reduction of plastics and textiles.

For over 30 years, SSI shredders have proven to be more efficient, more reliable, quieter and require less maintenance than conventional belt-driven shredders. More torque and power allows SSI shredders to process larger pieces and quantities of plastic and textile materials faster.

### TYPICAL SHREDDABLE PLASTICS

- PET (Polyethylene terephthalate)
- HDPE (High-Density Polyethylene)
- PVC (Polyvinyl Chloride)
- LDPE (Low-Density Polyethylene)
- PP (Polypropylene)
- PS (Polystyrene)
- Polyethylene
- Unsorted resins and plastics
- Purgings of all materials, shapes and sizes
- Ridged and bulky materials
- Baled film
- Bottles
- Vinyl
- Foam

### THE 'SSI ADVANTAGE'

- 1, 2 & 4 shaft designs; 5-1,000 HP
- Shredder/granulator integrated systems
- Automatic cleanout designs
- Classifiers available for enhanced particle size
- Material handling systems: Conveyors, Dumpers, Balers
- Horizontal feed designs



## SHREDDING APPLICATIONS

### PRE-GRANULATION

Shredding plastics prior to granulation facilitates handling, increases efficiency, and saves the high-speed granulator from wear and damage.

### PURGINGS

Purgings are loosely formed masses of plastic that have been discharged from plastic processing equipment following a material or color run. Although these materials can be processed for re-use, they are often too large to be processed by granulators alone. Pre-shredding these purgings facilitates

granulator feeding and reduces "slamming" (or heavy impact) and its effect on equipment performance and maintenance

### TEXTILES

Textiles, whether rolled carpets, furniture, mattresses, or cloth, tend to unravel and wrap around the shafts of conventional shredders, causing them to jam. SSI has developed shredding systems that are specifically designed to deal with this inherent problem, cutting textiles into small pieces rather than long strands.