

BCS-50

BEVERAGE CONTAINER RECYCLING SYSTEM

Designed specifically for the bottling industry.

The system will destroy and separate liquid product from the solid aluminum or plastic packaging material, allowing the highest possible levels of recycling and cost reduction.

STANDARD FEATURES

▶ SAFETY

Enclosed tipper is supplied with safety access door. Fully enclosed shredder/auger; no 'reach in' hazards.

▶ MAINTENANCE

Several design refinements incorporated into the ST-50 shredder increase the ease of maintenance and shredder durability. False walls at either end of the cutting chamber provide excellent bearing and seal protection. Sectional cleaning fingers, removable from the top, and a light weight end door ensure cutting chamber disassembly is quick and easy. Bearing and seal replacement is completed without the need for gearbox disassembly.

▶ CORROSION RESISTANCE

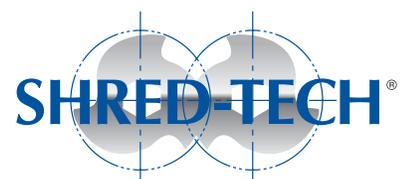
Due to the corrosive nature of many beverages, Shred-Tech has extensively used finishes such as Stainless Steel, Powder Coat and Galvanized finishes.

▶ ENVIRONMENTAL

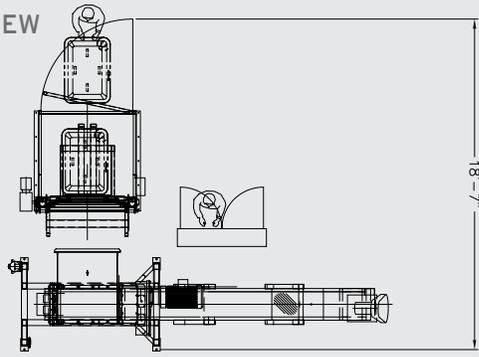
Totally enclosed system for ease of pest control. Easy to clean, water spray nozzles included at key points.

▶ KNIFE DESIGN

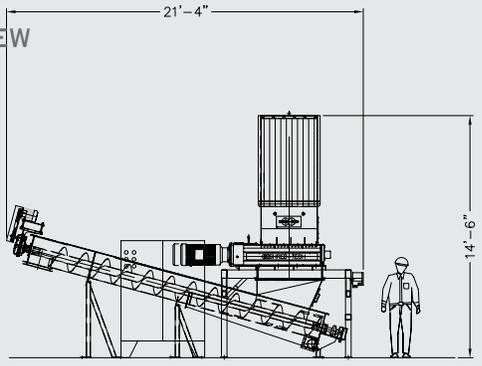
Shred-Tech Engineers have designed the knife profile and configuration for maximum throughput and optimum liquid separation.



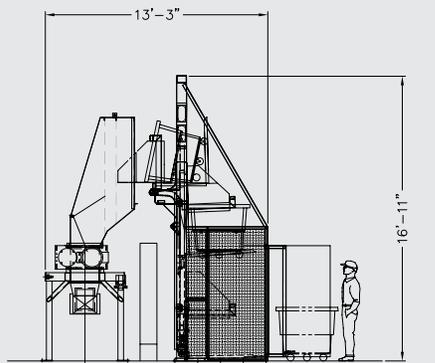
PLAN VIEW



SIDE VIEW



END VIEW



STANDARD FEATURES

▶ HEX SHAFTS

The unique design of the shredder's hex shafts maximizes knife placement options and allows for easy knife removal and machine maintenance. Size for size the hex shaft is several times stronger than a keyed shaft. The Shred-Tech hex shaft drive system offers the highest knife tip force of any equivalent shredder on the market.

▶ HOPPER DESIGN

Hopper designed to eliminate splash-back of liquids.

▶ CONTROL SYSTEM

The ST-50 control panel, designed by certified Shred-Tech technicians, features illuminated function buttons, keyed power switch, fused lockable disconnect, hour meter and a programmable logic controller for shredder functions including knife reversal upon overload.

▶ FINISH

Galvanized and powder coated.

▶ OPTIONAL FEATURES

- PLC interfacing for peripheral equipment
- Discharge conveyors
- Modem capabilities
- Voltage range
- Additional spray nozzles

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APPLICATION INFORMATION

Cans / Plastic Bottles	All sizes up to 2liter
Feed Method	Bin Tipper using Rubbermaid 4716 or equivalent utility cart
Discharge Method	Stainless steel separation screw conveyor

TECHNICAL SPECIFICATIONS

Throughput	Approx 15,000 lbs/hr (including liquid)
Horsepower (shredder)	20 HP
Total floor space	400 sq. ft. and 18' clear ceiling height required
Total weight	11,700 lbs
Shredder model	ST-50 dual shaft, slow speed, high torque shredder

SHRED-TECH

COMPLETE INFORMATION DESTRUCTION AND RECYCLING SOLUTIONS

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