

SAVE SPACE

The compact assembly fits in your existing facility

SAVE TIME

Grind 500 lbs of liquid-filled containers per hour

SAVE MONEY

Reduce waste removal by as much as 70%

SAVE MANPOWER

Requires only a single machine operator



ST-10E

Waste Container Reduction System for Drugs of Abuse Labs

- Minimal space requirement (machine measures 20' L x 6' W x 7' H)
- Hex shaft drive system offers the highest knife tip cutting force of any comparable shredder on the market
- Can process 500 lbs of liquid-filled containers per hour
- Save money with a 70% reduction in waste removal when grinding vials



The ST-10E is designed to decrease waste output at drugs of abuse testing laboratories. Throwing away heavy liquid-filled containers can be expensive. Opening and emptying each individual container is time-consuming and labor intensive. The Waste Container Reduction System provides an efficient and economical solution.

Instead of multiple employees spending hours discarding samples, the ST-10E enables a single operator to process 500 pounds of containers or vials per hour. Following storage of the test containers, the operator simply places a tray full of containers filled with nonhazardous nonflammable liquid, such as saline or urine, into the hopper. The system does the rest: liquid waste is discarded directly to a drain or holding tank while the 45mL to 1 liter plastic containers are ground into dense pieces.

The compact plastic shards take up significantly less space than intact containers, which means you can fit more waste in your trash and thus decrease your waste removal expenses. Start saving your laboratory money by compacting waste!



ST-10E uses 42 durable hardened steel cutting knives

Features & Benefits

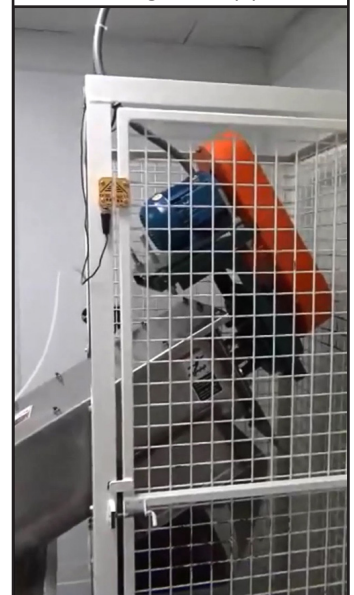
- **17" cutting chamber** handles a wide range of product sizes
- **7 ½ HP electric motor** powers a variety of gear reduced drive ratios
- Hardened steel knives shred the containers with a **fast/slow shaft speed of 42/22RPM** and a maximum tooth force of 12,578 lbs
- The **hex shaft** maximizes knife placement options while offering more strength, size for size, than a keyed shaft
- **Heavy duty stand and hopper** can be modified to suit your specific application
- The **¼" Lexan cover** from in-feed hopper flange to the top of conveyor belt lets you monitor the process in action
- Stainless steel **auger for liquid separation** includes spray nozzles to rinse the reduced plastics while the liquid waste is directed to the auger drain pipe
- The ST-10E **control panel** features illuminated function buttons, keyed power switch, fused lockable disconnect, hour meter, and programmable logic controller for shredder functions, including knife reversal on overload
- Machine **maintenance is easy**. Bulkhead walls and barriers at either end of the cutting chamber can be replaced without the need of gearbox disassembly
- **Safety is built in**. In addition to an emergency shutoff button, the ST-10E's auger is enclosed in a steel mesh safety cage with interlocking control on the access door. The system will not operate when the safety cage door is open



Feed hopper on metered conveyor



Auger, spray nozzle, and auger drain pipe



Steel mesh safety enclosure with interlocking control on access door



ST-10E Waste Container Reduction System Technical Specifications

Conveyor Specifications

Metered Conveyor (M/C) Length	6'
M/C Belt Width	12"

Shredder Specifications

Drive	Electric
Number of Motors	1
Horsepower	7.5 HP
Power Requirements	460V, 50/60Hz
Number of Knives	42
Cutting Chamber	17" x 14"
Hopper Height	21"
Hopper Opening	17" x 22"

Auger Specifications

Auger Length	90"
Rinsing Mechanism	Spray nozzles
Discharge Height	38"

Optional Features

Programmable Logic Controller (PLC)
Custom Stand/Hopper
Feed and Discharge Conveyors

Therapak will aid your laboratory in selecting a location and in addressing local requirements. Therapak can organize full installation of equipment upon request. Maintenance options are also available.

