

# ST-100

## 2-SHAFT SHREDDER

High performance and versatility makes this model ideal for any shredding company.

The ST-100 is ideal for shredding a wide range of materials including plastic parts, wood waste and pallets, paper/newsprint, metals, hazardous waste, medical waste, light e-waste, passenger tires and many other items.

## STANDARD FEATURES

### ► CUTTING CHAMBER

The redesigned ST-100 offers cutting chamber sizes of 32"x 45 1/2" and 32"x 60 1/2", enabling it to handle a wide range of products as well as bulky wastes.

### ► KNIVES

Shred-Tech Engineers have designed each knife profile and configuration to suit the application for maximum throughput, and optimum shred size.

### ► DRIVE SYSTEM

The ST-100 shredder is available with a wide range of gear reduced electric or hydraulic drives. The electric model is available with a single or dual 30, 50, or 75HP motor. The hydraulic model is equipped with high torque, low speed multi-cam radial piston motors.

### ► CONTROL PANEL

The ST-100 control panel, designed and fabricated 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 on overload.

### ► HOPPER AND STANDS

Quality is evident in the workmanship of Shred-Tech's extra heavy duty stand and hopper. As an option, the stand and hopper can be modified to suit the application or installation.

### ► HEX SHAFTS

The unique design of the machined 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 cutting force of any comparable shredder on the market.



The ST-100 is designed for maximum use with a wide range of materials and optimum shred size.





TECHNICAL SPECIFICATIONS	ST-100ES	ST-100E	ST-100HS	ST-100H
<b>MEASUREMENTS</b>				
M/C Length	130"	145"	100"	115"
M/C Width	55"	55"	55"	55"
M/C Height	110"	110"	110"	110"
M/C Weight	12,200 lbs	14,500 lbs	10,300 lbs	12,100 lbs
Floor Space (sq.ft.)	50	55	38	44
<b>PRODUCT SPECIFICATIONS</b>				
Drive	Electric	Electric	Hydraulic	Hydraulic
Number of Motors	1 or 2	1 or 2	1 or 2	1 or 2
Horsepower	60-150	60-150	100-150	100-150
Voltage	208-600	208-600	208-600	208-600
Hertz	50/60	50/60	50/60	50/60
Knife Thickness (STD)	1 1/2", 1 7/8", 2 1/2"			
Number of Knives	30, 24, 18	40, 32, 24	30, 24, 18	40, 32, 24
Knife Diameter	16 1/4"	16 1/4"	16 1/4"	16 1/4"
Hex Size	5 3/8"	5 3/8"	5 3/8"	5 3/8"
Distance Between Shafts	12 1/8"	12 1/8"	12 1/8"	12 1/8"
Cutting Chamber	32"x45 1/2"	32"x60 1/2"	32"x45 1/2"	32"x60 1/2"
Discharge Height	43"	43"	43"	43"
Hopper Height	37"	37"	37"	37"
Hopper Opening	45"x54"	60"x54"	45"x54"	60"x45"
Stand Opening (width)	33"	33"	33"	33"
Stand Opening (length)	78"	93"	78"	93"
<b>OPTIONAL FEATURES</b>				
<ul style="list-style-type: none"> <li>PLC Interfacing for Peripheral Equipment</li> <li>Custom Stands and Hoppers</li> <li>Feed and Discharge Conveyors</li> <li>Pneumatic or Hydraulic Ram</li> <li>Explosion Proof Motors</li> <li>Modem Capabilities</li> <li>Magnetic or Eddy Current Separators</li> <li>Hydraulic Drive Options</li> </ul>				

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### MAINTENANCE



Several design refinements proven successful to increase ease of maintenance and shredder durability in Shred-Tech's model line up have been incorporated into the ST-100 shredder. The new cast steel body design, in combination with bulkhead walls and labyrinth barriers at either end of the cutting chamber provide excellent bearing and seal protection, and have resulted in superior durability and higher service factors.

Sectional cleaning fingers, which are removable from the top, and a light weight chamber plate ensures cutting chamber disassembly is quick and easy. Bearing and seal replacement is easily completed without the need of gearbox disassembly.

### COMPLETE INFORMATION DESTRUCTION AND RECYCLING SOLUTIONS

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