

ST-100

2-SHAFT SHREDDER

Large industrial shredder designed to shred oversized bulky waste.

The ST-100 is ideal for shredding a wide range of materials including paper/newsprint, metals, green waste, light e-waste, plastic and many other items.

STANDARD FEATURES

▶ CUTTING CHAMBER

The redesigned ST-100 offers two cutting chamber sizes, 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 HMI touch screen, 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 can come with either electric or hydraulic motors depending on your preference.



TECHNICAL DATA

	ST-100ES	ST-100E
Overall Machine Measurements		
Length	134 ½ in 3.41 m	150 in 3.80 m
Width	53 ½ in 1.36 m	53 ½ in 1.36 m
Height	125 ½ in 3.19 m	125 ½ in 3.19 m
Weight	18,300 lbs 8,291 kg	19,300 lbs 8,769 kg
Floor Space	50 ft ² 4.6 m ²	56 ft ² 5.2 m ²
Shredder Specifications		
Drive	Electric	Electric
Number of Motors	1 or 2	1 or 2
Total Motor Power	40-200 hp 30-90 kW	40-200 hp 30-90 kW
Voltage	208-600	208-600
Hertz	60/50	60/50
Cutting Chamber	45 ½ x 32 in 1.16 x 0.81 m	60 ½ x 32 in 1.16 x 0.81 m
Stand Opening (height)	54 in 1.37 m	54 in 1.37 m
Stand Opening (width)	37 in 0.93 m	37 in 0.93 m
Stand Opening (length)	79 in 2.0 m	94 in 2.39 m

Optional Features

- Pneumatic or hydraulic ram
- Custom stands and hoppers
- Feed and discharge conveyors
- PLC interfacing for peripheral equipment
- Explosion-Proof motors
- Modem capabilities
- Hydraulic drive options
- Magnetic or eddy current separators

Maintenance

Experience the next level of convenience and heightened shredder durability with the ST-100, integrating proven design refinements taken from Shred-Tech's in-field system installations. Our durable steel body design, coupled with bulkhead walls and labyrinth barriers at both ends of the cutting chamber, not only ensures exceptional bearing and seal protection but also delivers unmatched durability and elevated serviceability. Effortlessly dismantle the cutting chamber with the help of sectional cleaning fingers, which can be easily removed from the top, along with a lightweight chamber plate.

Streamline your maintenance process and replace bearings or seals without the need of gearbox disassembly. Elevate your shredding experience with a machine designed for lasting performance and hassle-free maintenance. Every Shred-Tech is built to run for years to come.

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The ST-100 is crafted to achieve the ideal shred size and to provide maximum efficiency when handling a diverse array of materials.

COMPLETE INFORMATION DESTRUCTION AND RECYCLING SOLUTIONS

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