

# ST-50

## 2-SHAFT SHREDDER

Mid-size industrial shredder for tougher bulkier waste streams.

The ST-50 is ideal for shredding a wide range of materials including food waste, general waste, plastics, light e-waste, metals, cardboard and paper. It does more, so you can DO MORE!

## STANDARD FEATURES

### ▶ CUTTING CHAMBER

The ST-50 is available in three cutting chamber sizes, enabling it to handle a wide range of product sizes.

### ▶ 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-50 shredder is available with a wide range of gear reduced drive ratios fitted with single or dual 20HP, 25HP or 30HP electric motors.

### ▶ CONTROL PANEL

The ST-50 control panel, designed 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.



Customize the ST-50 with hoppers and stands tailored to meet your specific requirements.



### TECHNICAL DATA

	ST-50ES	ST-50E	ST-50EL
<b>Overall Machine Measurements</b>			
Length	106 in 2.69 m	116 in 2.98 m	126 in 3.20 m
Width	46 ½ in 1.18 m	46 ½ in 1.18 m	46 ½ in 1.18 m
Height	98 in 2.48 m	98 in 2.48 m	98 in 2.48 m
Weight	4,500 lbs 2,041 kg	5000 lbs 2,268 kg	5,400 lbs 2,449 kg
Floor Space	35 ft² 3.2m²	38 ft² 3.5m²	41 ft² 3.8m²

<b>Shredder Specifications</b>			
Drive	Electric	Electric	Electric
Number of Motors	1 or 2	1 or 2	1 or 2
Total Motor Power	20-60 hp 15-45 kW	20-60 hp 15-45 kW	20-60 hp 15-45 kW
Voltage	208-600	208-600	208-600
Hertz	60/50	60/50	60/50
Cutting Chamber (lxw)	30x21 in 0.76x0.53 m	40x21 in 1.02x0.53 m	50x21 in 1.27x0.53 m
Stand Opening (height)	50 ½ in 1.28 m	50 ½ in 1.28 m	50 ½ in 1.28 m
Stand Opening (width)	21 in 0.52 m	21 in 0.52 m	21 in 0.52 m
Stand Opening (length)	61 in 1.55 m	71 in 1.80 m	81 in 2.06 m

### Optional Features

- Pneumatic or hydraulic ram
- Custom Stands and Hoppers
- Explosion-proof motors
- Modem Capabilities
- Feed and discharge conveyor
- PLC interfacing for peripheral equipment
- Hydraulic drive options
- Magnetic or eddy current separators

### Maintenance

Experience the next level of convenience and heightened shredder durability with the ST-50, 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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## 2-SHAFT SHREDDER

The ST-50 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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