

# STQ-50

## 4-SHAFT SHREDDER

Medium-sized shredder able to process various material reducing it to a desired shred size.

The STQ-50 can process plastics, wood waste, e-waste, medical waste, organic waste, manufactured products, paper and more!

## STANDARD FEATURES

### ▶ CUTTING CHAMBER

STQ models are available in a wide variety of cutting chamber sizes to meet the demands of various materials in all possible shapes, sizes and material loading methods.

### ▶ CONSTRUCTION

Heavy-duty construction based around Shred-Tech's standard torsion tube body concept ensures robust trouble free operation. Shred-Tech's proprietary triple seal cutting chamber, abrasion resistant wear components and exceptionally high knife tip cutting force ensure low noise and vibration, reduced wear and decreased maintenance costs.

### ▶ ROLL OUT

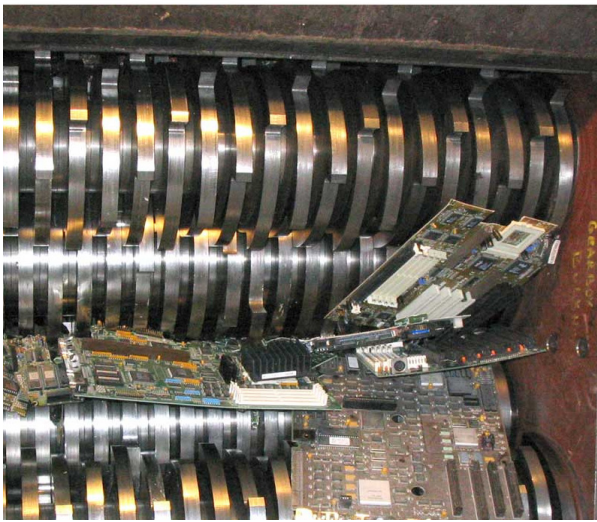
Rollout screens are easily removed from the end of the shredder, allowing for quick and easy screen cleaning and efficient change out of alternate screen sizes.

### ▶ HEX SHAFTS

Shred-Tech's standard durable hex shafts and robust drive systems are at the heart of the STQ line of shredders, ensuring years of reliable service. Engineers have focused a high degree of attention on building a line of four shaft shredders that are maintenance friendly and allow for quick and easy change out of components.



The STQ-50 uses different sized screens to determine final particle size.



## TECHNICAL DATA

STQ-50ES

STQ-50E

STQ-50EL

### Overall Machine Measurements

Length	138 in 3.50 m	147 in 3.74 m	157 in 3.99 m
Width	57 in 1.46 m	57 in 1.46 m	57 in 1.46 m
Height	115 in 2.91 m	115 in 2.91 m	115 in 2.91 m
Weight	6,350 lbs 2,874 kg	7,050 lbs 3,192 kg	7,750 lbs 3,510 kg
Floor Space	55 ft <sup>2</sup> 5.1 m <sup>2</sup>	59 ft <sup>2</sup> 5.5 m <sup>2</sup>	62 ft <sup>2</sup> 5.8 m <sup>2</sup>

### Shredder Specifications

Drive	Electric	Electric	Electric
Number of Motors	2	2	2
Total Motor Power	50-60 hp 37-45 kW	50-60 hp 37-45 kW	50-60 hp 37-45 kW
Voltage	208-600	208-600	208-600
Hertz	60/50	60/50	60/50
Cutting Chamber (lwx)	29x28 in 0.75x0.71 m	39x28 in 0.99x0.71 m	49x28 in 1.23x0.71 m
Stand Opening (height)	46 in 1.16 m	46 in 1.16 m	46 in 1.16 m
Stand Opening (width)	38 in 0.95 m	38 in 0.95 m	38 in 0.95 m
Stand Opening (length)	55 in 1.40 m	65 in 1.64 m	74 in 1.89 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

# STQ-50

## 4-SHAFT SHREDDER

The STQ-50 is crafted to achieve the ideal shred size and to provide maximum efficiency when handling a diverse array of materials.

### Maintenance

Simplified modular construction reduces the number of major components and increases parts commonality; thus reducing spare parts requirements. Bulkhead walls and labyrinth barriers at either end of the cutting chamber provide excellent bearing and seal protection. 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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