

ST-50

2-SHAFT SHREDDER

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

The ST-50 is ideal for shredding a wide range of materials including plastic parts, wood waste and pallets, hazardous waste, medical waste, light electronic waste and many other items. It does more, so you can DO MORE!

STANDARD FEATURES

▶ CUTTING CHAMBER

The ST-50 is available in three cutting chamber sizes, 21" x 30", 21" x 40" and 21" x 50", 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 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

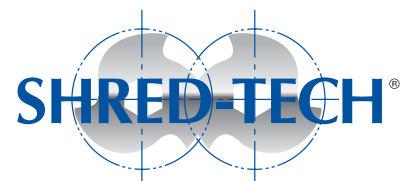
Quality is evident in the workmanship of Shred-Tech's extra heavy duty stand and hopper. As an option, the stand and hopper can be modified to suit the application or installation.

▶ 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-50 is designed for maximum use with a wide range of materials and optimum shred size.





TECHNICAL SPECIFICATIONS	ST-50ES	ST-50E	ST-50EL
MEASUREMENTS			
M/C Length	100"	110"	120"
M/C Width	45"	45"	45"
M/C Height	107"	107"	107"
M/C Weight	4,900 lbs	5,200 lbs	5,500 lbs
Floor Space (sq.ft.)	30	34	38
PRODUCT SPECIFICATIONS			
Drive	Electric	Electric	Electric
Number of Motors	1 or 2	1 or 2	1 or 2
Horsepower	20-50 HP	20-50 HP	20-50 HP
Voltage	208-600	208-600	208-600
Hertz	50/60	50/60	50/60
Knife Thickness (STD)	5/8", 7/8", 1 3/16", 1 5/8"		
Number of Knives	48, 36, 24, 18	64, 48, 32, 24	80, 60, 40, 30
Knife Diameter	10"	10"	10"
Hex Size	3 3/8"	3 3/8"	3 3/8"
Distance Between Shafts	7 1/2"	7 1/2"	7 1/2"
Cutting Chamber	21" x 30"	21" x 40"	21" x 50"
Discharge Height	40"	40"	40"
Hopper Height	44"	44"	44"
Hopper Opening	30" x 40"	40" x 40"	50" x 40"
Stand Opening (width)	21"	21"	21"
Stand Opening (length)	55"	65"	75"

OPTIONAL FEATURES

- PLC Interfacing for Peripheral Equipment
- Custom Stands and Hoppers
- Feed and Discharge Conveyors
- Pneumatic or Hydraulic Ram
- Explosion Proof Motors
- Modem Capabilities
- Magnetic or Eddy Current Separators
- Hydraulic Drive Options

MAINTENANCE



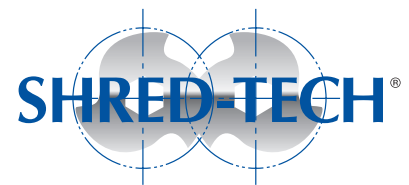
Several design refinements proven successful to increase ease of maintenance and shredder durability in Shred-Tech's model line up have been incorporated into the ST-50 shredder. The increases in shaft hex thickness, knife diameter and spacer thickness have resulted in superior durability and higher service factors. Bulkhead walls and labyrinth barriers at either end of the cutting chamber provide excellent bearing and seal protection. 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.

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SHRED-TECH
 COMPLETE INFORMATION DESTRUCTION AND RECYCLING SOLUTIONS
 www.shred-tech.com | shred@shred-tech.com
 tf. 1.800.465.3214 | t. 519.621.3560 | f. 519.621.4288
 Service Hotline: 1.877.566.2345



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