

ST-50 2-Shaft Shredder

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 two cutting chamber sizes, 40" x 21" and 50" x 21", enabling it to handle a wide range of product sizes.

DRIVE SYSTEM

The ST-50 shredder is available with a wide range of gear reduced drive ratios fitted with 20 HP or 25 HP electric motors.

KNIVES

Shred-Tech Engineers design each knife profile and configuration to suit the material for maximum throughput and optimum shred size.

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 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.





ST-50

2-Shaft Shredder

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

SHREDDER TECHNICAL SPECIFICATIONS		ST-50E	ST-50EL
MEASUREMENTS			
M/C Length		110"	120"
M/C Width		45"	45"
M/C Height		107"	107"
M/C Weight (lbs)		5,200	5,500
Floor Space (sq.ft.)		34	38
PRODUCT SPECIFICATIONS			
Drive		Electric	Electric
Number of Motors		2	2
Horsepower		40-50	40-50
Voltage (3 Phase)		208-600	208-600
Hertz		50/60	50/60
Knife Thickness (STD)		5/8" 7/8" 1 3/16"	5/8" 7/8" 1 3/16"
Number of Knives		80 60 40	80 60 40
Knife Diameter		10"	10"
Hex Size		3 3/8"	3 3/8"
Distance Between Shafts		7 1/2"	7 1/2"
Cutting Chamber		40" x 21"	50" x 21"
Discharge Height		40"	40"
Hopper Height		44"	44"
Hopper Opening		40" x 40"	50" x 40"
Stand Opening		21"	21"
Stand Opening		75"	75"
OPTIONAL FEATURES			
PLC Interfacing for Peripheral Equipment			
Custom Stands and Hoppers			
Feed and Discharge Conveyors			
Pneumatic or Hydraulic Ram			
Truck Mounted			
Vibrating, Magnetic or Rotary Separation			
Airveying Discharge			
Trommel Rinse Systems			
Explosion Proof Motors			
Modem Capabilities			
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 new torque tube body design, in combination with increases in shaft hex thickness, knife diameter and spacer thickness, have resulted in superior durability and higher service factors. Bulkhead walls and labryinth 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.			

Product specifications subject to change without notice.

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