



**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, 1,016 mm x 533 mm and 1,270 mm x 533 mm, enabling it to handle a wide range of product sizes.

### DRIVE SYSTEM

The ST-50 shredder comes with a variety of gear reduced drive ratios fitted with 15 kw or 19 kw 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 on overload.

### HOPPER AND STANDS

Quality is evident in the workmanship of Shred-Tech's 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 maximises 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
<b>MEASUREMENTS</b>			
M/C Length (mm)		2,794	3,048
M/C Width (mm)		1,143	1,143
M/C Height (mm)		2,718	2,718
M/C Weight (kg)		2,359	2,495
Floor Space (m <sup>2</sup> )		3.2	3.5
<b>PRODUCT SPECIFICATIONS</b>			
Drive		Electric	Electric
Number of Motors		2	2
Power (kw)		30-37	30-37
Voltage		208-600	208-600
Hertz		50/60	50/60
Knife Thickness (STD) (mm)		15.9 22.2 30.1	15.9 22.2 30.1
Number of Knives		80 60 40	80 60 40
Knife Diameter (mm)		254	254
Hex Size (mm)		86	86
Distance Between Shafts (mm)		191	191
Cutting Chamber (mm)		1,016 x 533	1,270 x 533
Discharge Height (mm)		1,016	1,016
Hopper Height (mm)		1,118	1,118
Hopper Opening (mm)		1,016 x 1,016	1,270 x 1,016
Stand Opening (Width) (mm)		533	533
Stand Opening (Length) (mm)		1,905	1,905
<b>OPTIONAL FEATURES</b>			
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			
<b>MAINTENANCE</b>			
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 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.			

Product specifications subject to change without notice.

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