

# ST-100 2-Shaft Shredder

The ST-100 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-100 offers cutting chamber sizes of 1,537 mm x 813 mm and 1,143 mm x 813 mm, suitable for loading bulky wastes. Bulkheads eliminate the migration of debris into seals and bearings, thus increasing overall durability.

### DRIVE SYSTEM

The ST-100 is available in a wide range of gear reduced electric or hydraulic drives. The electric model has two 22, 37 or 56 kw motors. The hydraulic model is equipped with high torque, low speed, multi-cam, radial piston 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 Shred-Tech designed and fabricated ST-100 control panel 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.



## SHREDDER TECHNICAL SPECIFICATIONS

ST-100E

ST-100H

ST-100ES

ST-100HS

## MEASUREMENTS

M/C Length (mm)	3,712	2,921	3,331	2,540
M/C Width (mm)	1,397	1,397	1,397	1,397
M/C Height (mm)	2,794	2,794	2,794	2,794
M/C Weight (kg)	6,577	5,488	5,534	4,672
Floor Space (m <sup>2</sup> )	5.1	4.1	4.6	3.5

## PRODUCT SPECIFICATIONS

Drive	Electric	Hydraulic	Electric	Hydraulic
Number of Motors	2	2	2	2
Power (kw)	45-112	45-112	45-112	45-112
Voltage	208-600	208-600	208-600	208-600
Hertz	50/60	50/60	50/60	50/60
Knife Thickness (STD) (mm)	38 47.6 63.5	38 47.6 63.5	38 47.6 63.5	38 47.6 63.5
Number of Knives	40 32 24	40 32 24	30 24 18	30 24 18
Knife Diameter (mm)	413	413	413	413
Hex Size (mm)	137	137	137	137
Distance Between Shafts (mm)	308	308	308	308
Cutting Chamber (mm)	1,537 x 813	1,537 x 813	1,143 x 813	1,143 x 813
Discharge Height (mm)	1,092	1,092	1,092	1,092
Hopper Height (mm)	940	940	940	940
Hopper Opening (mm)	1,524 x 1,372	1,524 x 1,372	1,143 x 1,372	1,143 x 1,372
Stand Opening Width (mm)	838	838	838	838
Stand Opening Length (mm)	2,362	2,362	2,362	2,362

## OPTIONAL FEATURES

PLC Interfacing for Peripheral Equipment

Custom Stands and Hoppers

Feed and Discharge Conveyors

Pneumatic or Hydraulic Ram

Modem Capabilities

Trailer Mounted

Vibrating, Magnetic or Rotary Separation

Reduced Voltage Starters

Boom Crane and Working Platform

Explosion Proof Motors

## 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-100 shredder. The cast steel body design, in combination with bulkhead walls and labyrinth barriers at either end of the cutting chamber, provide excellent bearing and seal protection. The end result is superior durability and higher service factors. 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.



# ST-100

## 2-Shaft Shredder

The ST-100 is designed for maximum use with a wide range of materials and optimum shred size.

Product specifications subject to change without notice.

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