

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 redesigned ST-100 offers cutting chamber sizes of 60 1/2" x 32" and 45" x 32", 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 30, 50 or 75HP 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

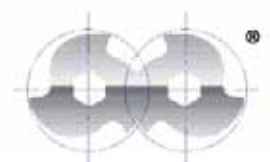
The Shred-Tech designed and fabricated ST-100 control panel features illuminated function buttons, keyed power switch, fused lockable disconnect, hour meter and a programmable logic controller for shredder functions including knife reversal on overload.

HOPPER AND STANDS

Quality is evident in the workmanship of Shred-Tech's 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.



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MEASUREMENTS

M/C Length	145"	115"	130"	100"
M/C Width	55"	55"	55"	55"
M/C Height	110"	110"	110"	110"
M/C Weight (lbs)	14,500	12,100	12,200	10,300
Floor Space (sq.ft.)	55	44	50	38

PRODUCT SPECIFICATIONS

Drive	Electric	Hydraulic	Electric	Hydraulic
Number of Motors	2	2	2	2
Horsepower	60-150	100-150	60-150	100-150
Voltage (3 Phase)	208-600	208-600	208-600	208-600
Hertz	50/60	50/60	50/60	50/60
Knife Thickness (STD)	1 1/2" 1 7/8" 2 1/2"	1 1/2" 1 7/8" 2 1/2"	1 1/2" 1 7/8" 2 1/2"	1 1/2" 1 7/8" 2 1/2"
Number of Knives	40 32 24	40 32 24	30 24 18	30 24 18
Knife Diameter	16 1/4"	16 1/4"	16 1/4"	16 1/4"
Hex Size	5 3/8"	5 3/8"	5 3/8"	5 3/8"
Distance Between Shafts	12 1/8"	12 1/8"	12 1/8"	12 1/8"
Cutting Chamber	60 1/2" x 32"	60 1/2" x 32"	45" x 32"	45" x 32"
Discharge Height	43"	43"	43"	43"
Hopper Height	37"	37"	37"	37"
Hopper Opening	60" x 54"	60" x 54"	45" x 54"	45" x 54"
Stand Opening Width	33"	33"	33"	33"
Stand Opening Length	93"	93"	78"	78"

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 new 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, have resulted in 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.



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Product specifications subject to change without notice.

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