

ST-400 2-Shaft Shredder

The ST-400's applications include steel drums, auto and truck tires, castings, municipal & industrial waste, medical & hazardous waste, pallets, mattresses, wood waste, high volume production processing, e-waste, electronic scrap and various other applications.

It does more so you can **DO MORE!**

STANDARD FEATURES

CUTTING CHAMBER

The ST-400 shredders are available in four large cutting chamber sizes.

DRIVE SYSTEM

The ST-400 shredder is available with two 75, 100 or 150 HP electric motors.

KNIVES

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

CONTROL PANEL

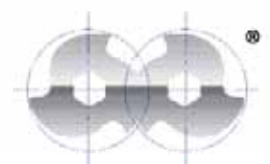
The ST-400 control panel, designed and fabricated by certified Shred-Tech technicians, features illuminated function buttons, keyed power switch, fused lockable disconnect, hour meter, and programmable logic controller for shredder functions, including knife reversal on overload.

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.



SHRED-TECH



ST-400

2-Shaft Shredder

The ST-400 is designed for maximum use with a wide range of materials and optimum shred size.

SHREDDER TECHNICAL SPECIFICATIONS	ST-400ES	ST-400E	ST-400EL	ST-400EXL
MEASUREMENTS				
M/C Length	168"	180"	190"	200"
M/C Width	77"	77"	77"	77"
M/C Height	160"	160"	160"	160"
M/C Weight (lbs)	30,000	33,000	35,000	38,000
Floor Space (sq.ft.)	90	96	100	106
PRODUCT SPECIFICATIONS				
Drive	Electric	Electric	Electric	Electric
Number of Motors	2	2	2	2
Horsepower	150-300	150-300	150-300	150-300
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" 3"	1 1/2" 1 7/8" 2 1/2" 3"	1 1/2" 1 7/8" 2 1/2" 3"	1 1/2" 1 7/8" 2 1/2" 3"
Number of Knives	35 28 22 18	43 34 27 22	50 40 31 26	57 46 36 30
Knife Diameter	22 3/4"	22 3/4"	22 3/4"	22 3/4"
Hex Size	8"	8"	8"	8"
Distance Between Shafts	17"	17"	17"	17"
Cutting Chamber	53" x 46"	65" x 46"	75" x 46"	87" x 46"
Discharge Height	80"	80"	80"	80"
Hopper Height	40"	40"	40"	40"
Stand Opening (Width)	47"	47"	47"	47"
Stand Opening (Length)	103"	118"	139"	151"
OPTIONAL FEATURES				
PLC Interfacing for Peripheral Equipment				
Custom Stands and Hoppers				
Feed and Discharge Conveyors				
Pneumatic or Hydraulic Ram				
Vibrating, Magnetic or Rotary Separation				
Reduced Voltage Starters				
Trailer Mounted				
Explosion Proof Motors				
Modem Capabilities				
Boom Crane and Working Platform				

MAINTENANCE

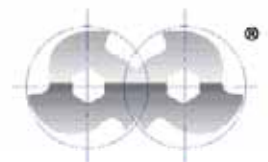
Several design refinements proven successful to increase ease of maintenance and shredder durability in Shred-Tech's model line up have been incorporated into the ST-400 shredder. The new cast steel body design, in combination with bulkhead walls and labyrinth barriers at each end of the cutting chamber 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.

Product specifications subject to change without notice.

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