

ST-1200

2-Shaft Shredder

The ST-1200 is specifically designed for high shock load and severe duty applications such as OTR tires, magnesium ingots and castings, high volume municipal & industrial waste, oversized bulky waste, copper and steel wire and cable, baled aluminum scrap and other applications.

It does more so you can DO MORE!

STANDARD FEATURES

CUTTING CHAMBER

Considered the largest and most powerful high torque shear shredder available today, the ST-1200H shredder is available in three cutting chamber sizes.

DRIVE SYSTEM

The ST-1200H shredders offer electric/hydraulic and diesel/hydraulic systems. Power units range in horsepower from 600 HP to 1,200 HP. High-torque, multi-cam, radial piston hydraulic motors are available in single or dual configurations. Shred-Tech's superior closed loop hydraulic drive systems allow for knife tip cutting forces in excess of 300,000 lbs.

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-1200H control panel, designed 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

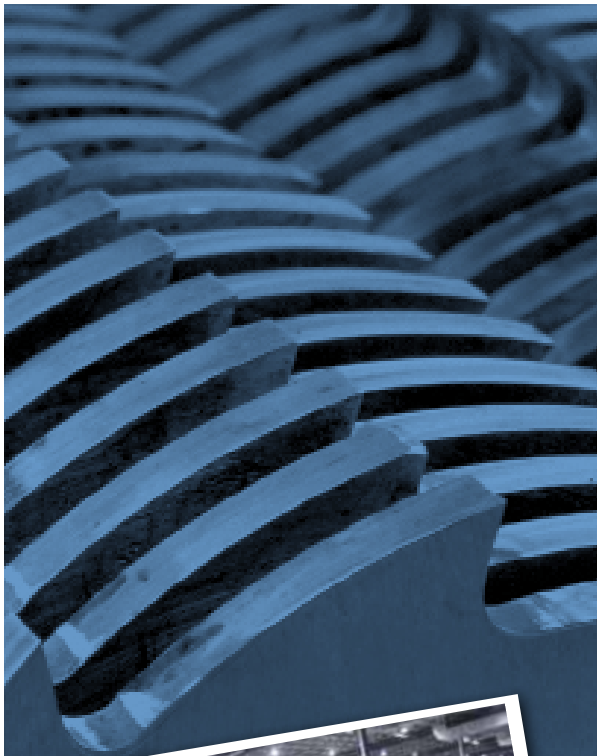
Quality is evident in the workmanship of Shred-Tech's extra heavy duty stand and hopper. As an option, the stand and hopper can be modified to suit the application or installation.

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



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The ST-1200 is designed for maximum use with a wide range of materials and optimum shred size.

Product specifications subject to change without notice.

SHREDDER TECHNICAL SPECIFICATIONS

| | ST-1200HS | ST-1200H | ST-1200HL |
|-------------------------------|---------------------|--------------------|--------------------|
| MEASUREMENTS | | | |
| M/C Length | 171 1/2" | 194 1/2" | 217 3/4" |
| M/C Width | 99 5/8" | 99 5/8" | 99 5/8" |
| M/C Height | 172 3/4" | 172 3/4" | 172 3/4" |
| M/C Weight | 70,630 lbs | 78,000 lbs | 85,400 lbs |
| Floor Space (sq.ft.) | 119 | 135 | 151 |
| PRODUCT SPECIFICATIONS | | | |
| Drive | Hydraulic | Hydraulic | Hydraulic |
| Number of Motors | 2 | 2 | 2 |
| Horsepower | 600-1200 HP | 600-1200 HP | 600-1200 HP |
| Motor Type | Radial Piston | Radial Piston | Radial Piston |
| Power Unit | Diesel or Electric | Diesel or Electric | Diesel or Electric |
| Knife Thickness (STD) | 2 15/16" | 2 15/16" | 2 15/16" |
| Number of Knives | 24 | 32 | 40 |
| Knife Diameter | 31 3/4" | 31 3/4" | 31 3/4" |
| Hex Shaft Diameter | 10 7/8" | 10 7/8" | 10 7/8" |
| Distance Between Shafts | 23 7/8" | 23 7/8" | 23 7/8" |
| Cutting Chamber | 62" x 70" | 62" x 93 1/4" | 62" x 116 1/2" |
| Discharge Height | 81 1/2" | 81 1/2" | 81 1/2" |
| Hopper Height | 58 9/16" | 58 9/16" | 58 9/16" |
| Hopper Opening | 82 1/4" x 70 13/16" | 82 1/4" x 94" | 82 1/4" x 117 1/4" |
| Stand Opening (Height) | 106" | 129" | 152" |
| Stand Opening (Length) | 93" | 93" | 93" |

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
- 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-1200H shredder. The removable fingers from the hopper side, the sleeved bearings and the design of the hexed shafts facilitate ease of parts removal. The hopper mounting is configured to permit shredder disassembly without hopper removal. A Shred-Tech proprietary torque setting mechanism provides easy knife-stack tightening.

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