

SIZE REDUCTION MADE QUICK AND EASY

Sterling's shredders employ two counter-rotating hex shafts equipped with alternately stacked cutters and spacers. Turning at different speeds, they rip, tear, shear and break large, bulky materials efficiently. The result is maximum productivity with minimal cutting action and less wear.

Choose from single-stage shredders or two-stage shredder/granulators. The two distinctly different operations significantly reduce system burdens to achieve substantial savings in energy, processing time and labor. The cutters in the first stage grab and ingest large bulky parts. In the second stage, pre-broken pieces are uniformly transferred to the granulator stage, absorbing and distributing the peak load forces that accelerate granulator wear.



Features

- Rugged construction for long life
- Low speed, high torque gear reduction with high tip forces
- Electric and hydraulic models
- Choice of multi-lobed cutters to suit your specific application
- Low noise and low dust hopper design
- Custom hopper fabrication for specific applications
- Low rpm and low residence time for reduced mechanical wear
- Load sensing, auto-reversing shafts to prevent jams
- Self-metered cutter geometry controls material flow; provides uniform delivery to secondary operation
- Sealed roller bearings to eliminate material contamination
- Heavy-duty steel base
- Hardened steel cutters for long life and durability
- High strength alloy hexshafts
- Programmable process controls facilitate variations in process parameters, depending on type and volume of material processed
- NEMA 4 standard electrics with programmable controller for automatic reversing

Options

Single Stage Shredder Systems

The base of the shredder is designed to discharge into a container or conveyor. Thinner cutter width and more cutter teeth (lobes) result in smaller shreds. All shredders can be installed over an appropriately sized granulator for two-stage reduction.

Two Stage Shredder Systems

Most two-stage size reduction applications require a specially designed base with infeed hopper, which requires engineering to conform to customer requirements. All shredder models can adapt to your existing granulation equipment.

SB SERIES

Shredders

SPECIFICATIONS - SHREDDERS 10HP TO 15HP

Model	SB10/1420	SB10/1720	SB10/1920	SB15/2024	SB15/2224	SB15/4024	SB15/5024
Chamber Size, in.	14 x 20	17 x 20	19 x 20	19 x 24	23 x 24	40 x 24	50 x 24
Motor, hp	10			15			
Number of blades ¹	12	14	16	16	19	34	42
Cutter Width, in.	1.18						
Throughput range, lbs./hr	300-660			400-1000			

1) Double for 0.59" blades

SPECIFICATIONS - SHREDDERS 25HP TO 30HP

Model	SB25/3024	SB25/4024	SB25/5024	SB30/3033	SB30/4033	SB30/5033	SB30/6033
Chamber Size, in.	30 x 24	40 x 24	50 x 24	30 x 33	40 x 33	50 x 33	60 x 33
Motor, hp	25			30			
Number of blades ¹	15	20	25	25	33	41	49
Cutter Width, in.	1.96						
Throughput range, lbs./hr	800-1760			1300-3300			

1) 1.18" also available

SPECIFICATIONS - SHREDDERS 50HP TO 100HP

Model	SB50/3033	SB50/4033	SB50/5033	SB100/6043	SB100/7843
Chamber Size, in.	30 x 33	40 x 33	50 x 33	60 x 43	78 x 43
Motor, hp	50			100	
Number of blades ¹	25	33	41	15	20
Cutter Width, in.	1.96			3.93	
Throughput range, lbs./hr	Consult Factory				

1) 1.18" also available on 50 hp models; 2.95" also available on 100 hp models

SPECIFICATIONS - SHREDDERS 150HP TO 225HP

Model	SH150/6043	SH150/7843	SH225/6043	SH225/7843
Chamber Size, in.	60 x 43	78 x 43	60 x 43	78 x 43
Motor, hp	150		225	
Number of blades ¹	15	20	15	20
Cutter Width, in.	3.93			
Throughput range, lbs./hr	Consult Factory			

1) 2.95" also available