

### POWER AND PERFORMANCE FOR TROUBLE-FREE SIZE REDUCTION

The SPS Series single shaft shredders have been developed for the size reduction of pipes up to 47" (1200mm) diameter from materials such as UPVC, PE and PP. Pipes up to 25 feet (7.6 meters) in length may be shredded without the need for pre-cutting. The shredder is available with two rotor diameters (39" and 56"), equipped with rotary cutters operating at low speed, ensuring smooth, efficient size reduction of pipes.



Large pipes or bundles of pipes of smaller diameter are loaded into the horizontal feeding trough, the doors are closed automatically and the hydraulic pusher forces the pipes towards the rotor.

#### Features

- 39" (1000 model) or 56" (1500 model) diameter drum style rotor provides efficient cutting of thick wall pipe
- Low speed rotor (43 rpm on the 1000 model and 28 rpm on the 1500 model) transmits high cutting torque for processing solid, thick wall, or corrugated pipe
- The low speed cutting action provides smooth operation when processing the heavy wall or solid pipe and reduces noise levels that typically occur when processing long lengths of heavy material
- Standard rotor is fabricated using abrasion-resistant steel for long life in high-wear applications
- 4-edge 1.3" (34mm) reversible cutters with bolt-in replaceable knife seat for easy maintenance
- Heavy-duty self-aligning outboard mounted bearings that reduce the possibility of material contamination
- Feed trough that processes up to 25 foot long full length pipe horizontally. This feed style allows the heavy pipe to be fed at a comfortable height by fork lift or crane without the need of complex tilting mechanisms to feed the shredder
- The three stage telescoping 20hp hydraulic ram pushes the pipe into the shredder, maintaining pressure to maximize throughput. The laser measurement device on the ram records the exact position of the ram at each step of the process
- Dual drive motors provide even distribution of horsepower along the rotor, maximizing the transmission of torque through the heavy-duty gearbox system

#### Options

- No options available

# SPS SERIES

## Pipe Shredder

### SPECIFICATIONS

Specifications		
Model	SPS 1000	SPS 1500
Feed Opening, in. (mm)	253 x 33 (6420 x 840)	253 x 51 (6420 x 1300)
Rotor Dia., in. (mm)	39 (980)	56 (1430)
Biggest Pipe, in. (mm)	236 x 31 (6000 x 800)	236 x 47 (6000 x 1200)
Rotor Speed (rpm)	43	28
No. of Cutters (pieces), 34mm x 34mm	108	206
Drive Capacity, hp (kW)	2 x 60 (2 x 45)	2 x 74 (2 x 55)
Bed Knives (pieces)	4	5
Ram Drive, hp (kW)	20 (15)	20 (15)
Total Weight, tons	20	25

Dimensions, in. (mm)		
	SPS 1000	SPS 1500
A	417 (10,600)	437 (11,100)
B	58 (1480)	71 (1800)
C	309 (7840)	295 (7500)
D	118-315 (3000-8000)	118-315 (3000-8000)
E	76 (1920)	91 (2300)
F	114 (2900)	130 (3300)
G	98 (2500)	120 (3050)
H	42 (1070)	29 (730)
I	23 (580)	22 (570)

