



Shrine

BIOMEDICAL WASTE SHREDDING MACHINE



The Shrine Shredder Machine is used to shred Bio medical Waste such as Saline Bottles, Syringes, I.V. Sets, Tubing, Vials, Ampoules and Blood/ Urine bags etc.

Shredding is a process by which waste is de-shaped or cut in to smaller pieces, so as to make the waste unrecognisable. It helps in prevention of reuse of non-infectious biomedical waste and also acts as an identifier that the waste is safe to dispose off.

Shrine is a research backed, cost effective shredding

solution with a focus on shredding as a key factor in solid waste management. It shreds dry and wet waste.

An effective shredding mechanism of crocodile bite method (patent pending) is used. The crocodile bite technology is operates with 'V' shaped fixed cutler & multiple rotary shearing discs. The fixed cutter mounted at an angle in adjacent to rotary shearing discs to achieve better cutting. The material is grabbed between 'V' shaped rotary discs & fixed cutters shreds repeatedly. The over cut of rotary discs avoids coiling of material and jamming of rotary shaft.

SIMPLE 3 STEPS OF OPERATION



Load waste in to machine



Press Motor ON push button



Switch off Motor & take out shredded waste collected in bin

SALIENT FEATURES OF SHRINE SHREDDER MACHINE

- 1 Low Geared motor rpm to reduce sound level while shredding
- 2 Innovative single shaft shredding technology to achieve low electrical energy consumption
- 3 Less preventive maintenance cost
- 4 Versatile shredding application such as dry and wet waste
- 5 Auto reverse rotation in case of overload or jamming of rotary cutter
- 6 Electrical Overload & Short circuit protection
- 7 Door open limit switch is provided to switched off cutter rotation if loading door is open
- 8 Powder coated enclosure to avoid spillage of shredded waste and operator safety
- 9 Shredded Waste collection bin / trolley provided
- 10 Wheel are provided to machine for better mobility

TECHNICAL SPECIFICATIONS

MODEL SHRINE	BS 09	BS 90	BS 900	BS 909	BS 990
Shredding capacity Kgs per hour	7	25	50	100	200
Shredding Chamber Size (L x W) mm	100 x 150	260 x 200	320 x 200	400 x 200	600 x 200
Loading Chamber Size (L x H) mm	150 x 150	260 x 280	320 x 280	400 x 280	600 x 280
A C Electrical Induction geared motor	2 HP	3 HP	5 HP	7.5 HP	10 HP
Incoming Electrical Supply 3 Phase, 440 VAC, 50 Hz	10 Amp	10 Amp	15 Amp	20 Amp	25 Amp
Overall dimension of machine in mm L x W x H approx	1050 x 500 x 1250	1350 x 600 x 1450	1450 x 600 x 1450	1650 x 600 x 1450	1950 x 650 x 1450
Gross weight of machine in Kgs	180	330	380	430	650