

**SCO**  
A multipurpose crocodile bite Shredding Machine  
**NONINFECTIOUS BIOMEDICAL WASTE SHREDDING MACHINE**

The noninfectious Biomedical waste shredding machine is used to destroy waste such as Syringes, scalpels, glass vials, blades, plastics, catheters, broken ampules, intravenous sets/bottles, blood bags, gloves, bandages etc.

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

Shrine is a research backed, cost effective shredding

An effective shredding mechanism of crocodile Bite method ( patent pending ) is used. The crocodile bite technology is operates with 'V' shaped fixed cutter & 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

### Why SCO Engineering



**Versatility** : It shreds soft plastic bottles, Tubing, hand gloves & also hard syringes.



**No Air Pollution** : Dust & fumes is not generating while shredding.



**No sound pollution** : Low cutting speed hence, low noise level.



**Safety Features** : All safety features like Overload protection, Short circuit protection, Door open cut off switch & reversal of rotation is provided.



**Low Electrical Consumption** : It consumes less electricity than other shredder.



**Operator friendly** : The simple construction provides better operating environment.



**Less maintenance cost** : Fixed cutter can be reground several times reduces the cost of spares.



**Shock Loading** : In case of non shreddable material in cutting chamber, machine will stop automatically to avoid damages.

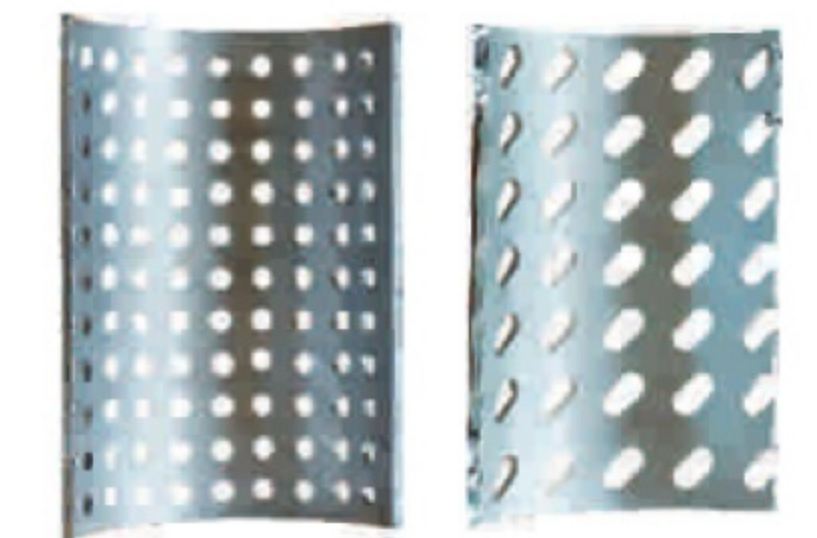


Easy removable trolley ▲ of shredded waste.

Complete tilted hob ▲ for easy maintenance & cleaning.



Shrine shredding machine is a robust design with minimum maintenance requirement & minimum manual handling. The machine is properly designed and covered to avoid spillage and dust generation.



▲ Specially designed mesh.



▲ shredded Waste after shredding.

### Technical Specifications

Model	BS 25	BS 50	BS 100	BS 200
Shedding capacity Kgs/Hr	25	50	100	200
Shredding chamber size LxW (mm)	260x200	320x200	400x200	600x200
Loading Hopper size LxH (mm)	260x280	320x280	400x280	600x280
A.C. Electrical Induction motor with gear box	3.0 H.P.,3ph, 440 VAC	5.0 H.P.,3ph, 440 VAC	7.5 H.P.,3ph, 440 VAC	10.0 H.P.,3ph, 440 VAC
Incoming electrical Supply	10A, 440 VAC 3ph. Hz.	25A, 440 VAC 3ph. Hz.	32A, 440 VAC 3ph. Hz.	63A, 440 VAC 3ph. Hz.
Overall Dimensions LxWxH (mm) approx.	1250x700x1700	1450x700x1700	1650x700x2000	1850x800x2100
Gross Weight of Machine (Kgs.) approx.	150 (Approx)	180 (Approx)	210 (Approx)	250 (Approx)

\* Note: Development of product is a continuous process for better service offered to our esteemed customers. The specifications are subject to change without any prior notice.



▲ Our shredding machines are equipped with hardened stainless steel non corrosive shredding cutters.  
**Multipurpose crocodile bite shredding technology (Patent pending)**

**Extra accessories** : Automatic waste pusher mechanism for loading hopper, PLC controlled shredding mechanism, Waste transport containers. We also design, manufacture & supply custom-built shredding machine.

## SCO Engineering GmbH

Auf der Heide 15 - D-37351 Dingelstädt  
Federal Republic of Germany

[www.sco-engineering.com](http://www.sco-engineering.com)