



Sharps Disposal System

**The sharper
alternative
to waste management**





My vision behind developing the Sharpsblaster™ Product was to create a technology that challenged and replaced existing methods of sharps disposal that are expensive and environmentally unfriendly.

By treating waste on site, the Sharpsblaster™ provides an alternative solution to minimize the carbon footprint of waste decontamination whilst creating a bi-product that may be safely recycled.

In developing countries, where no safe sharps disposal routes exist, it provides an easy solution that could save lives and prevent the relentless spread of diseases such as AIDS and Hepatitis.

I hope that you will embrace the Sharpsblaster™ System and take advantage of the many benefits that the technology can bring to your facility and the environment.

Marilyn Gough
Chairman
SES Int. Ltd. (UK)





Sharpsblaster™ is a revolutionary, self-contained solution that takes care of the on-site disposal of sharps and soft clinical waste, reducing contaminated waste to harmless bag waste.

Special waste disposal legislation

The Duty of Care liability requires that facilities ensure all clinical waste is disposed of responsibly and that it is only handled by authorized individuals or companies. The waste producer remains responsible for their infectious waste until it has been safely destroyed and records must be kept of all waste movements. Globally, most governments are tightening the legislation governing infectious waste disposal.

Did you know...

- You are responsible for the safe storage and disposal of all your infectious waste.
- Costs for disposing of clinical waste and sharps are rocketing.
- Incorrect disposal is a criminal offence.



BSI approved puncture proof tin containing contaminated Sharps ensures safety of healthcare workers.

Environmentally friendly

Sharpsblaster™ reduces toxic emissions into the environment while making your infectious waste non-hazardous. The unit has an anti-odour filtration system that ensures all emissions are captured.

Easy to use

The system is extremely easy to use, with a custom-built screen and control panel. The ingenious filtering and evaporation units are very simple to change. Discarded filters can even be pushed into your sharps waste can and sterilized with your clinical waste.

The system has no moving parts and its reliability is particularly high, minimizing maintenance and making cleaning easy.

Benefits

Sharpsblaster™ benefits your workplace

- Caps your infectious waste disposal and administration costs
- Manages your Duty of Care liability at the touch of a button
- Removes the need for dedicated contagious waste storage spaces
- Increases your level of regulatory compliance

Safety features

Sharpsblaster™ has a number of safety features to keep you in complete control of your clinical waste disposal.

The system has a fail-safe lock so that the lid can only be opened when safe to do so, i.e. before a run has started or after the run has ended. The lid sensor ensures the lid is closed properly and in the event of power failure or malfunction, the machine locks and prevents the removal of untreated waste. The unit automatically resumes the programme from the same point when power is restored.

At the end of the sterilization process two labels are produced confirming disposal details, unit ID, run number and a signature box. The labels are stuck to the sharps waste can and into the system's in house log book.



Know your **Sharpsblaster™**



How does it work?

Our innovative system consists of a computerized sterilization unit and disposable five litre metal canisters for sharps or soft clinical waste. The unit blasts your waste canister for up to two and a half hours at temperature reaching 165° C - 185° C, sterilizing the infectious waste and sealing the canister for safe disposal.



Put insert in can



Put sharps into can



Put lid on can



Open lid and place can in Sharpsblaster™



Press button



Press both buttons together and hold down for 4 seconds



Lid locks await completion of treatment and cooling process



Collect double ticket and press button



Lid unlocks. Remove can from Sharpsblaster™



Complete ticket details
Stick one ticket in log book



Remove label from can



Stick second ticket on can and store for recycling

Caution:
For illustration purpose only.

Applications

The Sharpsblaster™ revolutionary technology, unique and simple process has found acceptance from sectors requiring sharps disposal. Sharpsblaster™ lends credibility to the organization that uses it due to its environmentally safe method of sharps disposal.

Sharpsblaster™ finds its application in sectors across the spectrum.



Hospitals



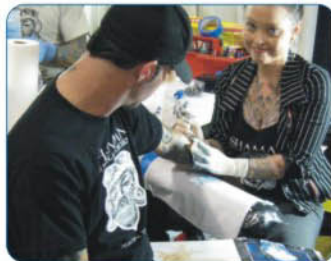
Dental Clinic



Nursing



Vets



Tattooists



Pharmacies



Prisons



Military



Acupuncture



Needle Exchange



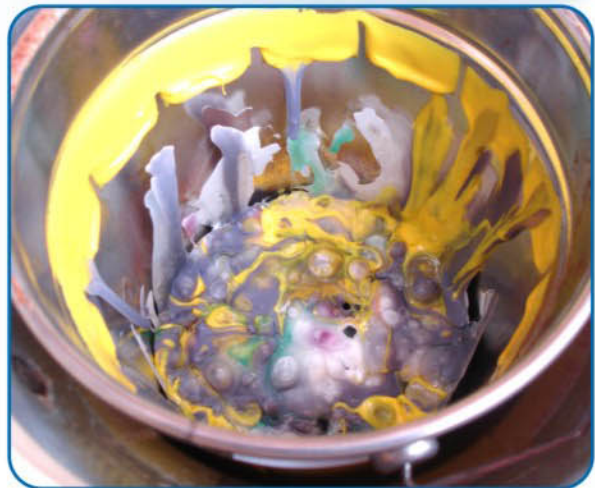
Waste Contracting



Research Labs

Effective stop to needle reuse

The Sharpsblaster™ utilises a treatment process based on dry heat technology (non burn) to safely decontaminate sharps waste and render it unrecognisable and totally unusable.



Efficacy Tests

The Sharpsblaster™ has been comprehensively tested by an internationally recognised test laboratory the UKHPA (United Kingdom Health Protection Agency) as well as a number of private and independent laboratories namely Wickham Laboratories and Choksi laboratories in support of regulatory approvals.

The Sharpsblaster™ demonstrated inactivation of microbial load of 10^6 using the following organisms **Geobacillus Stearothermophilus** and **Bacillus Atropheaus**.

Expanding air and condensate residue (collected in a plastic receptacle inside the machine) have been tested by spiking the load with 10^6 **Geobacillus Stearothermophilus**, both the air and condensate were found to be bacteria free.



Specifications and approvals

Model No	SB 2410
Type of Device	Dry Heat Sterilisation unit
Net Weight (Kg)	26.8 Kg (approx.)
Dimensions (W x D x H)	550 mm x 490 mm x 360 mm
Standard Operating Voltage	110 V AC / 230 V AC
Process Time	2½ Hrs.
Maximum Temperature	185 °C (Range 165 °C to 185 °C)
Disposal Capacity	5 liters

The Sharpsblaster™ innovative technology and unique process for sharps disposal meet international safety standards.

Tested by



CE marked

CE certified as per

- EMC Directive 2004/108/EC,
- Low Voltage Directive 2006/95/EC
- Machinery Directive 98/37/EC

BSI approved sharps tin

Sharps compactor process (optional)

The Compactor reduces the Sharps Tin in order to reduce storage requirements still further.



COMPACTOR



CAN COMPACTED



FINAL PRODUCT



**Let us make the World
a safer place**

www.sharpsblaster.com



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