

## Specifications

Dimensions:- 2.2m Wide x 5.2 metres Long x 3m High and can usually be accommodated within the existing operational environment

SPECIFICATIONS	DATA
Treatment Type	Concurrent sterilisation and shredding
Cycle Time	15 min. (+/- depending on the waste type and density)
Load Capacity	240 litre bin per 15 minute cycle
Processing Capacity	960 litres per hour, approximately 200 kg/hour
Output	Purged into a 240 litre bin enclosed within the machine Landfill ready, totally inert and unrecognisable
Emissions	Sterilised waste water, no harmful emissions
Energy Consumption	60kW short term peak load
Operating Costs	Approximately 30 - 40 kW per hour (Includes on-board steam generation)
Effectiveness	Steam sterilisation to better than 8 Log 10
Required Floor Space	7 m wide, 9 m long, 3 m high. (Total area)
Height Requirements	3 m high
Operator Requirements	Hospital or facility staff - no special skills required
Training Time	2 hour tutorial and 7 hours hands on operator guidance
Machine and Shredder Life	Indefinite with regular maintenance and appropriate waste loaded
Services	Electricity: 100 Amp, 4 Core and earth is required Water: Mains supply, approximately 2.5 litres per cycle. Connection to mains via generic tap interface
Controls	Fully automated process utilizing a colour touch screen PLC. The screen uses graphics to inform the operator of each sequence. All data is recorded on a SD card. Remotely accessible.
Service Time Schedule	8 monthly service check, annual maintenance schedule
Connection to Sewer	For treated, sterile waste fluid to be discharged.

## Distributors

DJ Batchen is seeking additional international distributors. If your company holds a prestigious market position in the medial market space and you are looking for world leading technology, contact us for discussions.

## Contact Details

**The MetaMizer 240 SSS is owned and manufactured by:-**

**DJ Batchen Pty. Ltd.**

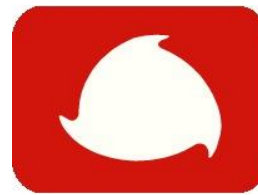
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# MetaMizer

**BATCHEN**



The NEW MetaMizer 240 SSS is a waste conversion solution which simultaneously sterilises and shreds clinical waste on site. It provides hospitals, quarantine facilities, medical research facilities, in fact any health care facility with a proven and environmentally friendly biohazardous waste management system. The NEW MetaMizer 240 SSS is NATA and ISO Laboratory validated, and Health Department and EPD approved process.

## The key features of the **NEW MetaMizer 240 SSS**

- Low operating cost
- Simultaneously shreds and sterilises
- Zero harmful emissions, no incineration
- Process up to 96 x 240 litre bins per day
- Keeps comprehensive data records of all waste movement
- Reduces the volume to landfill by up to 90%
- Ability to co-mingle the inert output product with general waste
- Simple and safe to operate
- Has a small footprint
- Low greenhouse gas emissions

## TECHNICAL

The clinical waste is loaded into the MetaMizer via standard 240 litre wheelie bins. The bin is emptied into the inlet chamber by an automated system incorporating an ergonomically safe materials handling device.

The waste is circulated around the vessel and then through the shredder multiple times throughout the sterilising procedure. This ensures fast and complete sterilisation of the waste, producing the maximum volume reduction possible.

The date, temperature, pressure, location are logged throughout the process and stored on a SD card for easy access. The data is also remotely accessible.

### NEW

The MetaMizer 240 SSS combines an efficient cutting device positioned inside a mechanical autoclave, which together continuously shred and sterilise clinical and sharps waste material. Steam generated by an on-board boiler system is the sterilising agent. The temperature within the pressure chamber exceeds 137°C for the required 4 minute sterilisation period.



MANUAL CONTROLS	RUN CYCLE
SETTINGS MENU	DISPLAY PAGE
AUTOCLAVE CYCLE	LOGGED DATA FILES



## ENVIRONMENTAL

A single step automated processor that can sterilize and granulate over 96 x 240 litre bins on biohazardous waste daily

### NEW

- The entire process happens on-site
- A complete cycle in 15-20 minutes, dependent on the bin content
- The output volume is up to 90% less than the input volume
- There is up to 30% weight reduction depending on the fluid content of the waste
- Only 2.5 litres of water per cycle
- No CO<sub>2</sub> emissions on site
- The output product is inert, unrecognizable and granular
- Can be disposed of in regular licensed landfill

Having this secure and sterile waste management system on site streamlines your medical waste processes, giving you both operational and financial benefits. Knowing that your medical wastes are transformed into inert, non-infectious matter at up to 90% reduction in volume is a tangible way to contribute to environmentally responsible waste management.



## FINANCIAL

### NEW

DJ Batchen can arrange leasing of the units to healthcare institutions freeing up much needed capital for patient care. For some international customers, DJ Batchen have also facilitated sovereign loans to facilitate the installation of MetaMizer based operations.

Staff training takes the form of a one-on-one or small group sessions. This takes approximately 2 hours. Once your staff have been trained they can run the machines without supervision. No specialist staff are required.

One or multiple units can be monitored via an internet or phone connection relaying up-to-date information at each stage of the process.

## DJ BATCHEN PTY LTD

DJ Batchen Pty. Ltd. are a privately owned Australian engineering company operating for more than 50 years. Batchen have extensive experience in the manufacture of complex mechanical and electrical process systems. Batchen have experience exporting to a wide range of markets in the Middle East, Europe, Asia and the Americas.

The MetaMizer technology has been installed in Australia, Japan, Russia and Sri Lanka. ACHS awarded Cairns Hospital the 2005 "Quality Improvement Award for clinical and sharps waste management"

Most recently Batchen has been involved in the supply of 20 MetaMizer 240 SSS to the Sri Lankan Ministry of Health to process and manage their clinical waste for 134 hospitals.