इलेक्ट्रॉनिकी एवं
सूचना प्रौद्योगिकी मंत्रालय
MINISTRY OF
ELECTRONICS AND
INFORMATION TECHNOLOGY

सत्यमेव जयते

SAMEER

Microwave Disinfection System



- SAMEER has indigenously developed a system for microwave disinfection of hospital waste using an environment friendly green technology.
- The basic function of this machine is to convert infectious hospital waste into benign municipal waste so that it can be disposed of safely.
- Technology is transferred to private companies for mass production. Available on GeM (Government e-Marketplace) through them.
- The system has undergone extensive microbiological efficacy trials and tests at Haffkine Institute, Mumbai and field trials before use.

SOCIETY FOR APPLIED MICROWAVE ELECTRONICS ENGINEERING AND RESEARCH
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Microwave Disinfection System



Features

- PLC based operation
- Automatic water addition
- On line temperature display and printing
- Safety interlock
- Reduction in waste volume
- Compact and environment friendly
- Non-infectious end product

Technical Specifications

Rated Capacity			
Volume	60 litres	30 litres	10 litres
Microwave Generator			
HF Output	3 kW	1.5 kW	1 kW
Frequency	2450 MHz	2450 MHz	2450 MHz
Electrical Requirement			
Input Voltage	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz
Current	20 Amp max.	15 Amp max.	10 Amp max.
Dimensions			
H x W x D mm	1700x1050x630	1540x1050x630	1040x1050x630
Weight	300 kg	250 kg	200 kg

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