

IES MEDICAL WASTE PROCESSING SYSTEM

The **SAFE** and **EFFECTIVE** method of dealing with medical waste



Health care activities protect and save lives, but the waste generated as a by-product of this contains potentially harmful microorganisms which can infect and be damaging to the wider population.

IES has developed and patented a containerised **Medical Waste Processing System**, reaching temperatures in excess of 150°C, removing all potentially harmful bacterial and viral contaminants, and reducing the volume of waste by **80%** and weight by **50%**.

Heat is generated through friction and the temperature-controlled process ensures that each cycle is treated homogeneously, with 100% effective sterilisation of all waste.

The process is complete in **25 to 40 minutes**. The **IES Medical Waste Processing System** can process around **500kg** of medical waste in approximately **7 to 8 hours**.

The **IES Medical Waste Processing System** is purpose built to operate in the harsh weather conditions of the UAE. The containerised system can be quickly deployed in one area or transported to multiple locations.








IES Medical Waste Processing System

- ☑ Capable to deal with COVID-19 waste
- ☑ Sterilisation process kills Germs, harmful Bacteria, and Pathogens
- ☑ Sterilised waste is vacuum packed
- ☑ Odour free process
- ☑ Reduces weight by up to 50%
- ☑ Reduces waste volume by up to 80%
- ☑ Self-Contained plug and play 20' ISO Zone 2 container design
- ☑ Long or short term rental solutions available

Process Result



Types of medical waste that can be processed:-

-  Hospital and laboratory waste
-  COVID-19 and other viral waste
-  Sharp hospital waste with containers
-  Hard and soft plastics
-  Glass
-  Paper and cardboard
-  Any other waste listed in State and Federal Regulations as medical waste



AUTOMATIC PROCESS IN ONE SINGLE CHAMBER

LOADING



20°C



LOADING
BIO-HAZARDOUS WASTE

No segregation

40°C

MACERATION

Rotative blades for
unrecognizable
output waste

70°C

HEATING & STERILIZATION
UP TO 152 Deg

Zero Chamber
Pressure

UP TO
152 Deg



UNLOADING STERILE
WASTE

80% volume
reduction





Inventive
Environmental
Solutions

**Proven technology to provide;
EFFECTIVE, ENVIRONMENTALLY FRIENDLY and SAFE
processing of medical waste– including that
associated with COVID-19**



Controlled testing of this process concluded that “Not a single spore or pathogen had survived in any of the five monitored treatment cycles.” *

The IES Medical Waste Processing Systems are built to the highest industry standard, using only first-class European components, materials and craftsmanship.

In uncertain times – be **SURE** your medical waste is
contaminant free.

*Study conducted at Massa Hospital, Tuscany, by the University of Naples



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