



ييم انسينريت
لأستيراد الآلات والمعدات والمستلزمات الطبية
Y E M I N C I N E R 8

محركة طبية
i8M - 700



i8-M700
Medical Incinerator

Key Parts of our Incinerator

3 Zone Thermocouple

Allow independent control of primary and secondary temperatures via the control panel.

Chimney Stack

Stainless steel stack for longevity. Minimum 5.5m stack height required. Fitted with dispersion cap as standard.

Primary chamber

Chamber designed for maximum air flow and circulation which in turn improves efficiency and total burn time.

Secondary Chamber

Retains and re-burns the exhaust fumes for minimum of 2 seconds at 850°C to meet EU guidelines.

7 x Low NOx Burners

These are some of the cleanest, most efficient burners available today. These can be supplied as gas or oil fired.

Safety Features

Kill switches, automatic shutdown, automatic lock clamps all ensure user safety is at the forefront of operation.

Ash door

This model now features 'floating' ash doors - Design for better rigidity and can be opened safely.

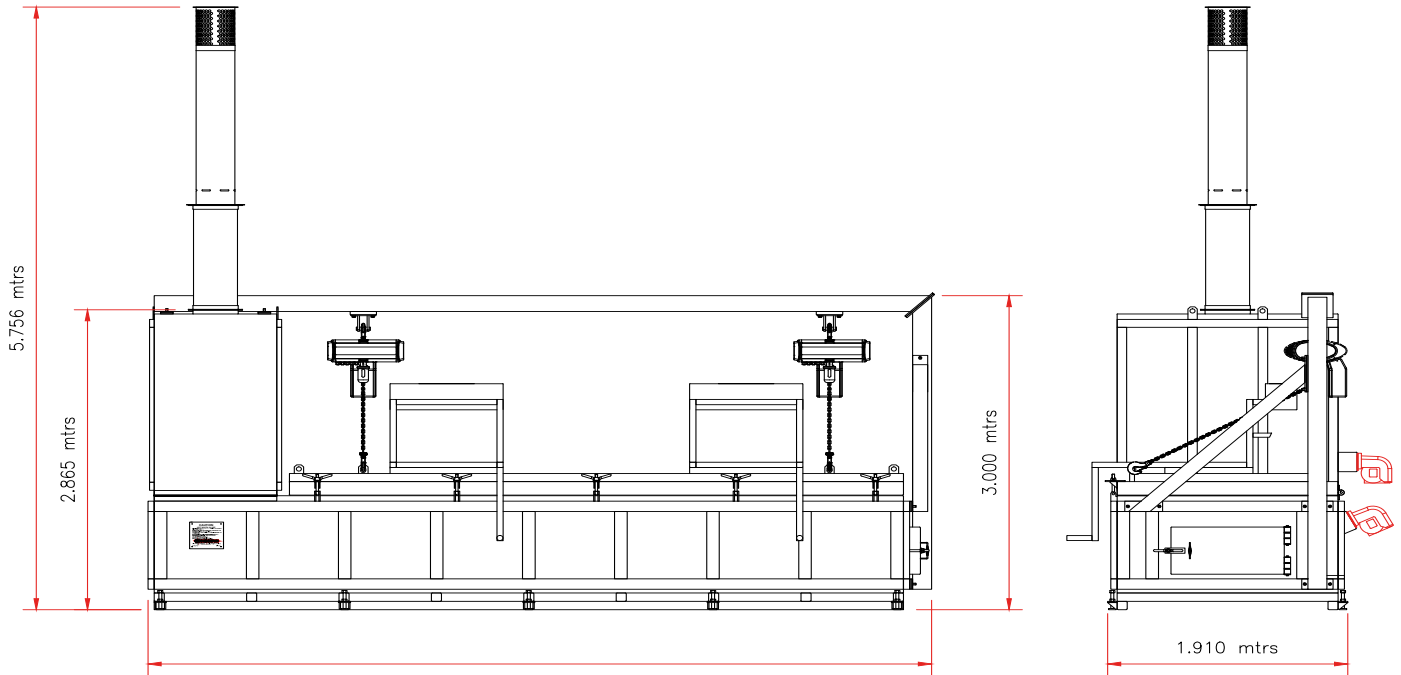
How incineration works:

Incineration is a waste treatment process that involves the combustion of organic substances contained in waste materials. Incineration and other high-temperature waste treatment systems are described as "thermal treatment". Incineration of waste materials converts the waste into ash, flue gas and heat. The ash is mostly formed by the inorganic constituents of the waste and may take the form of solid lumps or powder. In some cases, the heat generated by incineration can be used to generate electric power.

Applications

Our versatile range of medical incinerators are designed for a wide range of waste types. This model has the largest load door and also benefits from a top loading design and features the latest in operator safety and performance. This model can also use our latest control panel technology for remote monitoring.

- Type IV pathological waste
- Infectious and contaminated "red bag"
- Surgical dressings
- Plastic test devices
- Vials
- Yellow bags
- Bandages and gauzes
- Other forms of pharmaceutical waste.



Technical Specification

* Dependent on calorific value of waste and local conditions.

Combustion Chamber Volume (m³)	6.75m³	Average Ash Residue (%)	3%
Metal Thickness	4mm	Thermostatic Device	yes
Burn Rate*	up to 300kg per hour	Shipping Weight (kg)	15000kg
Operational Temperature	850°C	Dimensions (l, w, h)	6.04m x 1.91m x 5.75m
Gas Retention	2 seconds	Door Size (m)	4.58m x 1.50m
Fuel Consumption	40 - 50 ltrs per hour		

Average emissions / EU standards *

(On basic incinerators with secondary chamber)

Parameter (1/2 hr av)	Limits	Measured
Total dust	30 mg/m3	12 mg/m3
Sulphur dioxide	200 mg/m3	2,4 mg/m3
Nitrogen dioxide	400 mg/m3	60 mg/m3
Carbon monoxide	100 mg/m3	78,3 mg/m3

*The above figures are guidelines ONLY.

Actual emissions will depend on a number of factors including waste type, volume of waste, moisture content, fuel used and local environmental conditions.

All our incinerators' chambers are lined with high grade refractory concrete rated to 1600°C. Our secondary chamber technology prevents dioxins from cracking into smaller but more reactive molecules, this is known as de novo formation.

This can be especially apparent in the presence of heavy metals, which can act as a catalyst.

The prevention method can be explained as follows: system design forces the micro particulates to pass through a flame curtain, this burns harmful emissions, gas remnants are then retained in the secondary chamber, through thermal decomposition, and complex, controlled air distribution to ensure a clean odourless emission.

Site Preparation



Sheltered

Ideal weather protection for equipment and operator. Our shelters are designed for easy and quick installation on a standard reinforced concrete slab.

Certain regions require some sort of shelter from adverse weather conditions or localised problems. Our products are used in diverse locations from the freezing camps of Antarctica to sweltering temperatures of Sierra Leone.



Skid-mounted

For larger models skid-mounting is the most feasible and viable option to allow mobility.

The units arrive complete with electrical power generators and fuel supply with further customization available to suit all needs, regardless of local resources available. The system is available in 20ft and 40ft skids, depending on capacity and optional requirements.



Trailer-mounted

The trailer is rated to carry up to 32000kg, therefore there is plenty of additional space to carry extra items of equipment including generator sets, fuel and any other equipment. Chassis, framework and panels are galvanized for maximum durability.

These trailers have been built to withstand the rigours of the construction industry. The beam axle system features sealed, specialised wheel bearings and powerful auto-reverse brakes and is unequalled for strength and durability.



All containers supplied are ISO 6346 certified, so they can be used for the shipping and housing of incinerators and any other related equipment.

CE DECLARATION.



**MACHINE LISTED BELOW HAS BEEN TESTED BY
MANUFACTURER IN FACTORY BEFORE DISPATCH**

PRODUCTION DATE: 2018
CONFORMS TO ALL SAFETY NORMS WHEN USED ACCORDINGLY
"CE DECLARATION OF CONFORMITY"
"CE DECLARATION DE CONFORMITE"
"CE DECLARACION OF CONFORMIDAD"
"CE ATTESTATO DI CONFORMITA"
"EG- KONFORM IT A TSEKRLARUNG"

**INCINER8 LTD, UNIT 2, CANNING ROAD INDUSTRIAL ESTATE, CANNING ROAD,
SOUTHPORT PR9 7SN, UNITED KINGDOM**

Has declared that the machinery described:
Declares que les machines descrits:
Declaramos que la maquinaria descrita:
Dichiara che la macchina di seguito descrito:
Bestatigt daB die hierunter beschreibt Maschine:
Model (Modele; Modelo; Modello; Modell) :

CE INCINERATOR I8-M700 C/W Eco Flam Burners

1.BS EN 746-2:1997

(industrial thermoprocessing equipment – part 2. Safety requirements for combustion and handling systems)

2.Low Voltage Directive 73/23/EEC

Directive Basse Tension
Directive Baja Tension
Direttiva Sulla Bassa Tensione
Niedrige Sapnnung – Richtlinie Diretivas

3.EMC Compatibility Regulation 89/336/EEC

Directive CEM
Directiva CEM
Direttiva Compatibilita Elettromagnetica
Elektromanetische Vereinbarkeit – Richtlinie Directive EMC

4.Machinery Directive 2006/42/EC (including amendment)

Directive Securite Machines
Directiva Seguridad Maquinas
Direttiva Macchine
Maschinen – Richtlinie Directiva De Maquinario

5. (EC) No 1005/2009 on substances that deplete the ozone layer



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