



MEDICAL



**MEDICAL INCINERATOR
CATALOGUE**



AWARD-WINNING WASTE INCINERATORS



With a reputation built on several decades of global manufacturing excellence, Inciner8 is one of the most respected names in incineration and waste management. A proud Merseyside business at the forefront of British manufacturing. Inciner8's client portfolio features some of the biggest names in medical, mining and agriculture, whilst also delivering solutions to numerous start-ups and SMEs, including pet cremation businesses and clinics.

From its manufacturing HQ in Southport, a growing and highly skilled workforce develops, designs, assembles, exports, installs and services Inciner8's products, which are designed to outperform expectations. With this in mind, it's easy to see why Inciner8 has won three Queen's Awards and counting.



A TRUSTED PARTNER FOR MEDICAL WASTE INCINERATORS

Designed specifically for healthcare environments, our range of medical waste incinerators help healthcare providers and their management partners to overcome the growing problem of hazardous materials entering waste streams.

Designed and manufactured in Britain to ISO 9001 accredited quality assurance standards. Our machines are widely used by hospitals, dentists, laboratories, and other healthcare and medical environments, including mobile clinics and emergency response, in the UK and around the world.

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OUR TECHNOLOGY



CORETEX INSULATION

Coretex insulation - Triple insulation Coretex technology uses a combination of high-density insulation board, custom refractory concrete and thick steel to deliver the ultimate incineration insulation.



SMARTPANEL REMOTE MONITORING

Smartpanel remote monitoring is an optional feature that allows users to access the control panel remotely, away from the incinerator. This allows access and technical support from anywhere in the world, allowing data and controls to be viewed by who needs it the most.



MISTRAL TECHNOLOGY

Our Mistral technology provides variable airflow for when you need to adjust combustion for harder to incinerate waste. Additional airflow gives the combustion chamber more oxygen when it needs it for an unbeatable efficiency and increased incinerating potential.



USB DATA LOGGING

The optional USB data logging allows the operator to digitally download all data from the incinerator and export them into easy to read formats to share with relevant authorities. This allows you to comply with local laws with ease and gives you the capability to log all your data on a small and secure device.



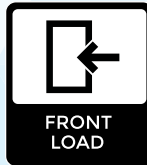
HYDRAULIC DOOR

We manufacture our incinerators from heavy-duty steel, hydraulic doors are fitted to some of our larger models to make it easy and effortless to open and close the chamber doors via the control panel making light work of continuous loading.



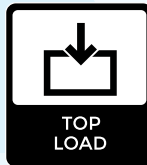
LOAD CAPACITY

Inciner8 uses four main size guides within our comprehensive range to differentiate our models, from S to XL. This allows us to provide you with a machine that perfectly fits your needs and your waste stream.



FRONT LOAD

Front-loading increases accessibility and ease of use for manual handling and is ideal for the medical and pet cremation sectors. It allows ash to be easily and carefully removed and makes the overall accessibility into the primary chamber easier for the operator.



TOP LOAD

Top loading allows the waste to be dumped in from above making it easy to access for trucks and machinery. It also allows additional extras such as bin tippers and autoloaders to be used within the operation to improve efficiency and incineration times.



CONTAINER CONFIGURE

Certain Incinerators have the capability to be configured into mobile containerised incineration units. This gives them the benefit of being easy to lock up and secure when at a remote site, as well as being easier to move with added benefits of minimal setup and dismantling time.



TRAILER CONFIGURE

Some of our smaller incinerators can be configured onto trailers. These trailers are country-specific and can be tailored to your needs. This allows extreme portability and can be moved to different locations with very minimal setup time, perfect for constantly moving operations.

I8-M15



The i8-M15 is our smallest medical incinerator and has been designed to be as compact as possible whilst delivering performance that outweighs its overall footprint. It has been optimized for medical waste disposal benefitting from a front loading door, internal grates and clinical exterior design making it the ideal option for small hospitals and similar establishments. This unit benefits from a secondary chamber with an afterburner for the re-burn of harmful emissions with a 0.5 second retention time.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	0.13m ³	Door Size (mm)	500 x 390
Burn Rate*	up to 20kg p/h	External Length (mm)	1100
Average Fuel Consumption	4-5 ltrs p/h	External Width (mm)	1000
Operational Temperature	> 850°C	External Height (mm)	2720
Gas retention	2 secs	Shipping Weight	652kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Health Clinics
- Sanitary Waste
- Covid-19/PPE
- Mobile Health Clinics
- Vaccination Centres
- Small Laboratories





i8-M20



i8-M20 model is an advanced small scale medical incinerator. The i8-M20 is the first in our line of specialist “M” incinerators that are optimised for medical waste disposal. The addition of an enhanced CE2-VFD control panel, tertiary air fan and increased insulation improves performance and provides all-round suitability for many different types of medical, clinical, pharmaceutical and hazardous waste streams. This unit benefits from a secondary chamber with an afterburner for the re-burn of harmful emissions with a 2 second retention time.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	0.18m ³	Door Size (mm)	490 x 490
Burn Rate*	up to 20kg p/h	External Length (mm)	1600
Average Fuel Consumption	7-9 ltrs p/h	External Width (mm)	1050
Operational Temperature	> 850°C	External Height (mm)	4310
Gas retention	2 secs	Shipping Weight	1230kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Sanitary Waste
- Covid-19/PPE
- Health Clinics
- Small Island Communities
- Drug Outreach Centres
- Military Hospitals

i8-M40



Our i8-M40 is a compact, simple and effective medical incinerator featuring the enhanced CE2-VFD control panel, tertiary air fan and updated insulation. The top-loading design means liquids are well contained within this system during incineration. The i8-M40 is perfect for small clinics, dental practices or small medical facilities where waste streams are quite low. With the Inbuilt afterburners, the i8-M40 ensures harmful emissions are eradicated with ease.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	0.36m ³	Door Size (mm)	560 x 560
Burn Rate*	up to 30kg p/h	External Length (mm)	1600
Average Fuel Consumption	9-11ltrs p/h	External Width (mm)	1300
Operational Temperature	> 850°C	External Height (mm)	4400
Gas retention	2 secs	Shipping Weight	1600kg

*Burn rates dependent on waste stream and calorific value

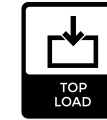
TYPICAL APPLICATIONS:

- PPE Waste
- Sanitary Waste
- Health Clinics
- Small Island Communities
- Mobile Hospitals
- Emergency Camps





i8-M50



One of our most popular medical models is the i8-M50, it is a medium capacity model from our range of specialist “M” incinerators that are optimized for medical waste disposal. The addition of an enhanced CE2-VFD control panel, tertiary air fan and increased insulation improves performance and provides all-round suitability for many different types of medical, clinical, pharmaceutical and hazardous waste streams. This top loader is the perfect choice if you need liquid retention making this incinerator ideal for incineration of most types of waste. This unit benefits from a secondary chamber with an afterburner for the re-burn of harmful emissions with a 2 second retention time.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	0.54m ³	Door Size (mm)	720 x 830
Burn Rate*	up to 40kg p/h	External Length (mm)	2000
Average Fuel Consumption	10-13ltrs p/h	External Width (mm)	1300
Operational Temperature	> 850°C	External Height (mm)	4480
Gas retention	2 secs	Shipping Weight	2200kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Mobile Hospitals
- Red Bag Type 1-4
- Health Clinics
- Small Island Communities
- Laboratories
- Drug Outreach Centres

I8-M70



Using the same design principles from the popular i8-M50, the i8-M70 has been optimized to deliver a large primary chamber for all types of medical waste disposal. The addition of an enhanced CE2-VFD control panel, tertiary air fan and increased insulation improves performance and provides all-round suitability for many different types of medical, clinical, pharmaceutical and hazardous waste streams. You get controlled air incineration, providing optimal combustion conditions for different waste types.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	0.75m ³	Door Size (mm)	990 x 910
Burn Rate*	up to 50kg p/h	External Length (mm)	2300
Average Fuel Consumption	10-15ltrs p/h	External Width (mm)	1600
Operational Temperature	> 850°C	External Height (mm)	4680
Gas retention	2 secs	Shipping Weight	3300kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Laboratories
- Health Clinics
- Sanitary Waste
- Emergency Camps
- Vaccination Centres
- Military Hospitals



I8-M80



I8-M80 incinerator is specially designed for medical waste. This model is a controlled air incinerator, providing optimal combustion conditions for different waste types. The front-loading design provides excellent liquid retention. The i8-M80 is a medium-capacity specialist “M” incinerator that is optimized for medical waste disposal benefiting from a front-loading door, cylindrical combustion chambers, integrated I.D. fan and clinical exterior design making it the ideal option for hospitals and medical waste collection centres. This model is the only option in our range that is self-contained with a rear access door accommodating a built-in fuel tank and mounted control panel.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	0.57m ³	Door Size (mm)	0.57Ø
Burn Rate*	up to 70kg p/h	External Length (mm)	2080
Average Fuel Consumption	15-20ltrs p/h	External Width (mm)	1100
Operational Temperature	> 850°C	External Height (mm)	3840
Gas retention	2 secs	Shipping Weight	2500kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Health Clinics
- Laboratories
- Sanitary Waste
- Small Island Communities
- Medical Waste Collectors
- Covid/PPE Waste

i8-M100



The i8-M100 is one of our mid-sized models that can be used for a variety of medical applications. Large enough to offer impressive burn rates and batch sizes, while still small enough to fit all our mobile options. The i8-M100 features a top-loading design with a large opening for bulky waste. The i8-M100 benefits from a secondary chamber with an afterburner for the re-burn of harmful emissions with a 2 second retention time. It delivers clean and tidy, effective waste solutions and is a good return on your investment.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	1.35m ³	Door Size (mm)	1450 x 750
Burn Rate*	up to 80kg p/h	External Length (mm)	3050
Average Fuel Consumption	14-19ltrs p/h	External Width (mm)	1700
Operational Temperature	> 850°C	External Height (mm)	4180
Gas retention	2 secs	Shipping Weight	3200kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Small Hospitals
- Emergency Camps
- Health Clinics
- Drug Outreach Centres
- Pathological Testing Centres
- Red Bag Type 1-4





i8-M120



The i8-M120 is a medium-capacity model from our range of specialist “M” incinerators that are optimized for medical waste disposal. The addition of a dedicated PLC control panel, tertiary air fan and increased insulation improves performance and provides all-round suitability for many different types of medical, clinical, pharmaceutical and hazardous waste streams. This unit benefits from a secondary chamber with an afterburner for the re-burn of harmful emissions with a 2 second retention time.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	1.25m ³	Door Size (mm)	640 x 540
Burn Rate*	up to 100kg p/h	External Length (mm)	2400
Average Fuel Consumption	13-18ltrs p/h	External Width (mm)	1300
Operational Temperature	> 850°C	External Height (mm)	8100
Gas retention	2 secs	Shipping Weight	6000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Sanitary Waste
- Large Health Clinics
- Hospitals
- Medical Waste Collectors
- Vaccination Centres
- Laboratories

I8-M200



The i8-M200 can be used for a variety of applications, large enough to offer impressive burn rates and batch sizes, while still being small enough to fit in a 20ft container. The i8-M200 features a top-loading design with a large opening for bulky waste items. Like all our 'M' range models, it features a secondary chamber with an afterburner for the re-burn of harmful emissions with a 2 second retention time making it ideal for a wide range of medical and pharmaceutical practices.

OPERATIONAL SPEC

Combustion Chamber Volume	1.92m ³
Burn Rate*	up to 100kg p/h
Average Fuel Consumption	20-25ltrs p/h
Operational Temperature	> 850°C
Gas retention	2 secs

PHYSICAL SPEC

Door Size (mm)	2040 x 1060
External Length (mm)	3200
External Width (mm)	2100
External Height (mm)	4390
Shipping Weight	6500kg

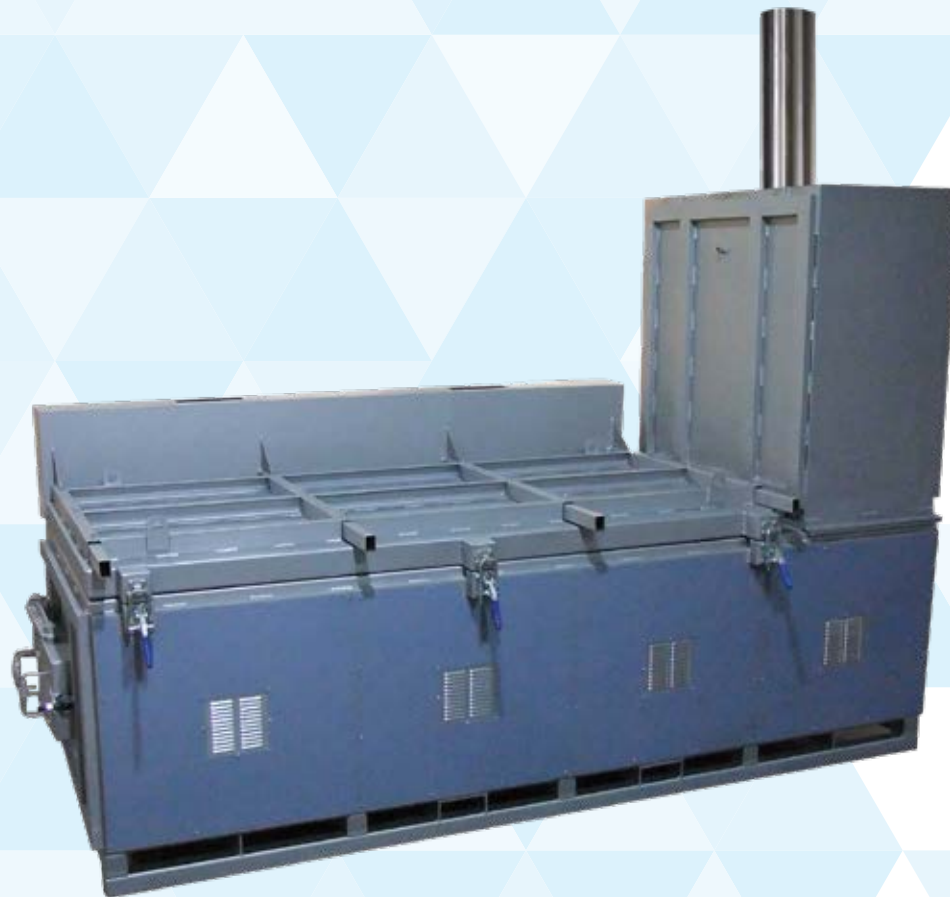
*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Health Clinics
- Hospitals
- Remote Camps
- Small Island Communities
- Drug Outreach Centres
- Red Bag Type 1-4



I8-M250



The i8-M250 is the largest system in our medium range. It features a high capacity primary chamber and is capable of large continuous burns that can be used for a variety of medical applications. The i8-M250 was designed to be large enough to offer impressive burn rates and batch sizes, while still being small enough to fit in a 20ft container. It features a top-loading design with a large chamber opening making it extremely easy to load bulky medical waste. Being within our medical range the i8-M250 can be fitted with viewing windows, external cladding and automatic loading making it the ideal solution for industries needing to dispose of high volumes of medical, pharmaceutical, or hazardous waste in an effective and environmentally conscious manner.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	2.40m ³	Door Size (mm)	2530 x 1060
Burn Rate*	up to 150kg p/h	External Length (mm)	3900
Average Fuel Consumption	25-30ltrs p/h	External Width (mm)	2100
Operational Temperature	> 850°C	External Height (mm)	4640
Gas retention	2 secs	Shipping Weight	8000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Hospitals
- Covid-19/PPE Waste
- Sanitary Waste
- Pharmaceutical Manufacturers
- Emergency Camps
- Small Island Communities

i8-M500



One of our newest designs the i8-M500 uses our proven technology and features normally found on our largest machines. Taking over two years to develop the i8-M500 was designed from the ground up to offer impressive burn rates and large batch sizes while still achieving some of the lowest emissions in its class. This design also provides excellent liquid retention making this incinerator ideal for the incineration of many different waste streams. The i8-M500 price and size has made it a popular choice.

OPERATIONAL SPEC

Combustion Chamber Volume	5.00m ³	Door Size (mm)	3500 x 1500
Burn Rate*	up to 225kg p/h	External Length (mm)	5000
Average Fuel Consumption	30-40ltrs p/h	External Width (mm)	2800
Operational Temperature	> 850°C	External Height (mm)	6800
Gas retention	2 secs	Shipping Weight	18000kg

*Burn rates dependent on waste stream and calorific value

PHYSICAL SPEC

TYPICAL APPLICATIONS:

- Emergency Camps
- Large Clinics
- Remote Camps
- Small Island Communities
- Covid-19/PPE Waste
- Vaccination Centres



i8-M700



The second biggest model in our medical range is the i8-M700. The machine was designed to outperform any other incinerator within its class. This model can be customized with viewing windows, external cladding and automatic loading to provide an effective and sustainable medical waste disposal solution. The i8-M700 is one of the larger models we supply. Proven in many demanding situations and climates, it is being used as the primary waste solution by large medical facilities, health clinics and hospitals. Its high capacity and impressive burn rates make this a class-leading product.

OPERATIONAL SPEC

Combustion Chamber Volume	6.75m ³
Burn Rate*	up to 300kg p/h
Average Fuel Consumption	40-50ltrs p/h
Operational Temperature	> 850°C
Gas retention	2 secs

PHYSICAL SPEC

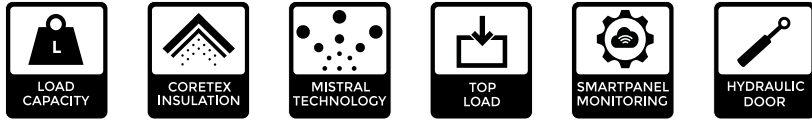
Door Size (mm)	4580 x 1500
External Length (mm)	6200
External Width (mm)	2800
External Height (mm)	5750
Shipping Weight	19000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Laboratories
- Sanitary Waste
- Remote Camps
- Pharmaceutical Manufacturers
- Large Hospitals
- Red Bag Type 1-4

i8-M1000



Presenting the flagship of our medical range, the i8-M1000. Taking over three years to develop it stands at the forefront of combustion technology – offering impressive burn rates on large batch sizes, whilst still achieving some of the lowest emissions in its class. The i8-M1000 can also be customised with viewing windows, external cladding, and automatic loading to provide you with an effective and sustainable solution when disposing of Type I – IV pathological waste, including infectious and contaminated “red bag”, surgical dressings, plastic test devices and other medical waste types. In addition, the advanced i8-M1000 comes with smart panel technology as standard, allowing operators to remotely monitor performance and analysis reports. With all this in mind, it is easy to see why the i8-M1000 is the system of choice in some of the largest hospitals in the world.

OPERATIONAL SPEC

PHYSICAL SPEC

Combustion Chamber Volume	8.80m ³	Door Size (mm)	4000 x 1500
Burn Rate*	up to 500kg p/h	External Length (mm)	6900
Average Fuel Consumption	40-50ltrs p/h	External Width (mm)	2900
Operational Temperature	> 850°C	External Height (mm)	6260
Gas retention	2 secs	Shipping Weight	24000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Large Hospitals
- Laboratories
- Covid-19/PPE Waste
- Island Communities
- Pharmaceutical Manufacturers
- Military Hospitals



OPTIONAL EXTRAS



PCS SYSTEM

Pollution control systems capture all the gasses, soot and entrained solids emitted by the incineration process and capture them to meet the European regulations, which are set out in directive 2000/76/EC. There are a variety of PCS systems available depending on your incinerator and the complete system you have configured.



ANNUAL SPARES PACKAGE

One year spare parts package is the perfect addition to any Inciner8 purchase to keep you running should any parts within the incinerator need replacing. You can set it up as a one time purchase or as continuous yearly purchase so you are always backed up with instant replacements.



AUTOLOADER

Larger Inciner8 models can be configured with autoloaders. This allows the waste to be automatically loaded into the primary chamber once each cycle is completed. An autoloader not only speeds up the incineration process but also keeps the primary chamber at a stable temperature due to the efficiency of the loading times.



VENTURI

Our entry-level pollution control solution uses the energy from a high-velocity inlet gas stream to atomize the liquid being used to scrub the gas stream. It is our most popular additional configuration due to increasing emissions laws throughout the world.



BIN TIPPER

Inciner8's bin tipper allows heavy waste items to be loaded into the primary chamber with ease. Due to the automatic nature of the machine, it means your operation will be more seamless and safer. Thus reducing any potential injuries to the operator/s.



HEAT EXCHANGER

Inciner8 offers heat exchange for systems that need to cool down gases before they enter additional sections of a configured module. They are used to decrease gas temperatures before entering PCS systems and as a key part of any heat recovery system.



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