INCINER8

The global leader in incineration & waste management

Value · Agility · Innovation · Excellence

INCINER8

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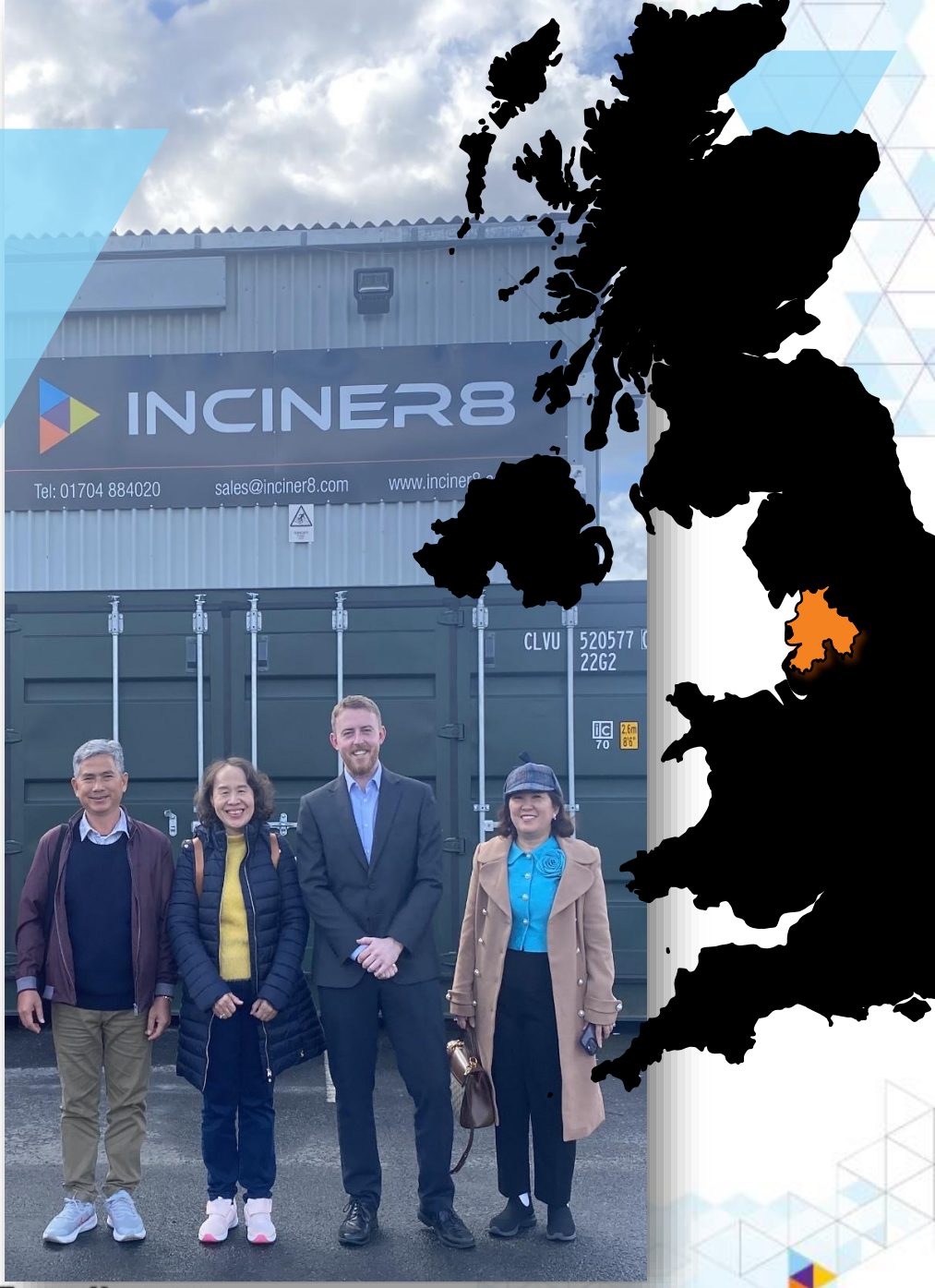
Proudly Supporting
Stroke International Service Can Tho

Stroke International Services
Cứu tinh cho bệnh nhân đột quỵ



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OUR PURPOSE

We are an environmentally and commercially sustainable industry leader in waste incineration through value, agility, innovation, and excellence in customer service

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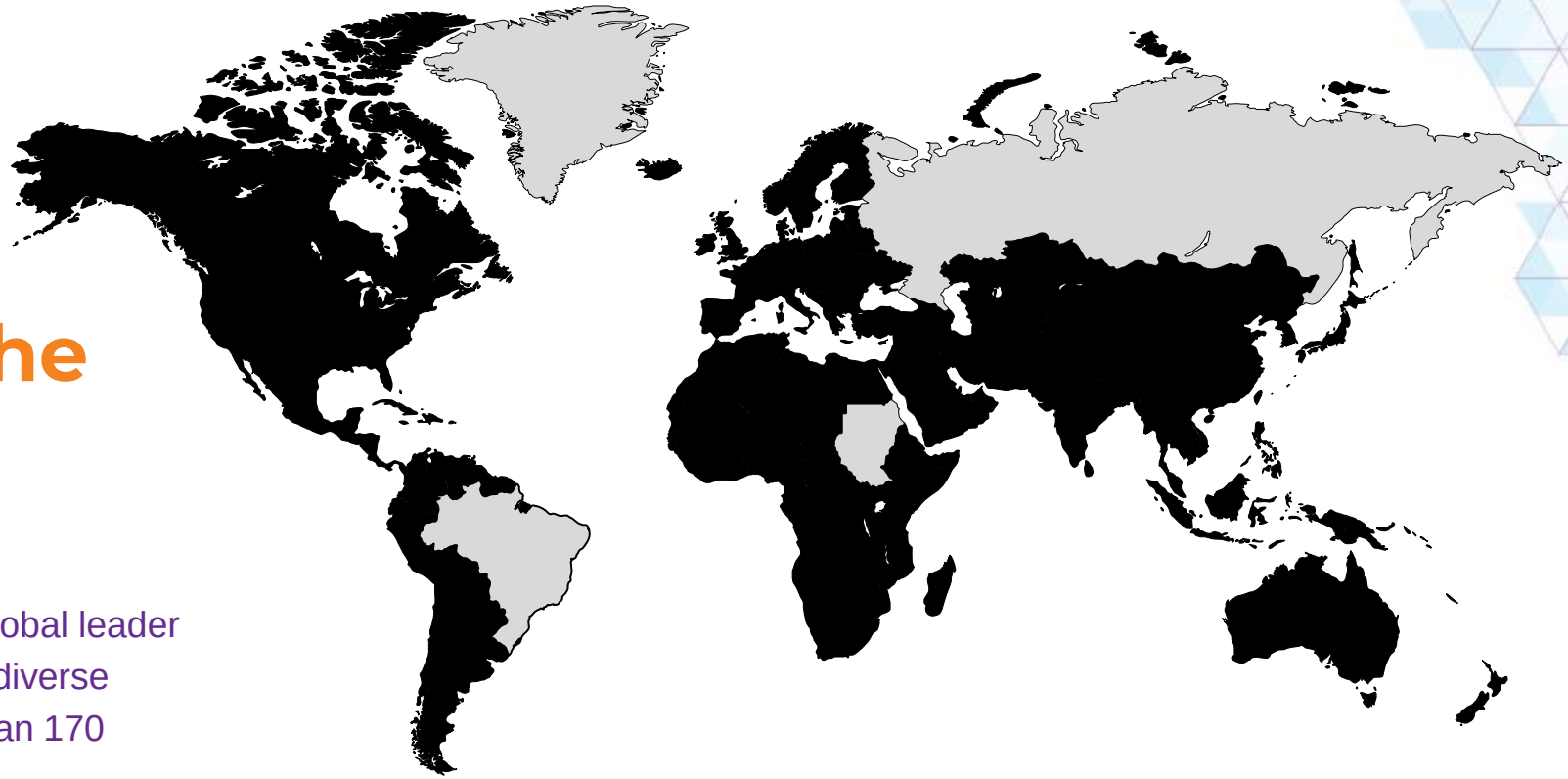
Welcome to Inciner8



Made in Britain, deployed around the world

We are pioneers.

In less than 20 years, Inciner8 has become a global leader in incineration, supplying incinerators across a diverse range of customers and applications in more than 170 countries worldwide.

Benin
Belize
Bermuda
Brunei
Canada
Croatia
Democratic Rep of Congo
Dominican Republic
Egypt
Eritrea
Ethiopia
Fiji
France
Gambia
Germany
Georgia
Ghana
Guyana
Guatemala
India
Iraq
Israel
Ivory Coast
Jamaica
Jordan
Kenya
Libya
Leshata
Madagascar
Maldives
Mexico
Micronesia, Federated States of
Mozambique
New Zealand
Nigeria
Papua New Guinea
Peru
Romania
Rwanda
Saudi Arabia
Senegal
Sierra Leone
Singapore
Solomon Islands
Somalia
South Sudan
Sri Lanka
Tahiti, French Polynesia
Tanzania
Thailand
Togo
Trinidad and Tobago
Uganda
USA
Zambia

INCINER8

Our customers around the world

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Welcome to Inciner8

Established in 2003

Established in 2003, we have grown by combining innovative technology with a commitment to customer service and a clear focus on delivering the right solutions: for our customers, for the sectors in which we operate, and for the environment.

With pioneering clean air technology and a diverse range of models to suit virtually any application or environment, including harsh, hazardous, and remote locations, we serve our customers by offering the right solution to meet your needs. And we support you by providing the highest standards of after sales care from our experienced technical team.

INCINER8

Accolades, milestones & highlights

MADE IN BRITAIN

Our roadmap to global success

Inciner8 has been built on one simple principle: that well-designed incinerators, suitable for installation anywhere, provide a safe, environmentally responsible and convenient form of waste disposal.

From that simple idea, we have grown into a global business, and this is just a snapshot of our route to where we are today.

2003

Inciner8 was established in Southport, Lancashire

2006

Within just three years, we were already exporting incinerators to 35 countries

2008

Governments, NGOs and military customers started coming to us for rapid deployment of incinerators around the world

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AWARD-WINNING WASTE INCINERATORS

Accolades

ISO 9001 CERTIFICATION

UKAS MANAGEMENT SYSTEMS

defra Department for Environment Food and Rural Affairs

Department for Environment Food & Rural Affairs

2012

We acquired an engineering company to enable us to drive innovative product development and increase manufacturing capacity to keep pace with demand

2012

That same year, we received our first Queen's Award for Export, recognising the global demand for our engineering excellence

2015

We supported the NGOs dealing with the Ebola outbreak, ensuring our incinerators were on their way to help cope with the crisis within days of the outbreak

2016

We received two further Queen's Awards, one for Export and the other for Innovation, making us one of just a handful of companies to have ever achieved two Queen's Awards within a single year

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Accolades, milestones & highlights

2017

We launched innovative new products, including solar incinerators, a new range of medical incinerators and the world's first mobile human crematorium

2018

We launched our waste to energy solution

2021

Inciner8 was acquired by Chiltern Capital, providing a catalyst for further growth and innovation

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Industry leading quality
British manufacturing

Medical Waste Pollution – The WIDER Problem to the Environment

- Medical waste must be transported and treated within a day
- People working to collect infectious medical waste also face a huge risk of infection
- In 2017 - 169 hospitals were recorded in operation in the Mekong Delta alone (Source Statista 2023)
- The cost of healthcare waste (HCW) management accounted for only 10-15% of the total budget allocated for medical facilities across Vietnam.
- Most of the provincial hospitals spent about $0.2-$0.4/bed/year for HCW management. This is the root cause of ineffective HCW management. (Dang HTT, Dang HV, Tran TQ. Insights of healthcare waste management practices in Vietnam. Environ Sci Pollut Res Int. 2021 Mar;28(10):12131-12143. doi: 10.1007/s11356-020-10832-x. Epub 2020 Sep 18. PMID: 32948943.)
- It is unknown how much medical waste exactly ends up back in the environment untreated – however, there is evidence it does everywhere
- We provide TWO solutions...

Why Inciner8?

- Traces of pharmaceutical by-products are now shown to be found in surface, ground, and drinking waters around the world
- 20 to 25 per cent of the total waste generated by healthcare establishments is regarded as hazardous
- This could create some potentially damaging environmental effects for future generations and affect the health of millions of people.
- Incineration provides complete destruction of hazardous waste, which would otherwise go to landfill. Sending hazardous waste to landfill can be very dangerous as there is a high risk of ground pollution.
- World health and monitoring organisations, including the WHO, DEA and UN, recommend the use of specialised, built-for-purpose medical incinerators as the best process to manage cytotoxic waste.
- Hospitals have long used on-site incinerators to destroy clinical waste. High-temperature incineration ensure full destruction of severely dangerous waste.

Types of Medical Waste

- Anatomical Waste & All waste from a human or animal, including body parts, blood bags and organs (RED bin)
- Infectious Waste & Any waste generated from the treatment of individuals or contaminated with any infectious bodily fluids including infected PPE, gowns, aprons etc (ORANGE & YELLOW bins)
- Medicinal Waste & All types of medicine, pills and creams that are not cytotoxic and/or cytostatic (BLUE bin)
- Cytotoxic / Cytostatic Waste & Drugs and other types of medicine that are cytotoxic and/or cytostatic, or items that come into contact with any toxic or carcinogenic medicine (PURPLE bin).
- Offensive Waste & Any waste that's non-infectious, including sanitary and nappy waste, uncontaminated PPE and incontinence waste (YELLOW & BLACK STRIPED BIN or "TIGER BAG")
- Dental or amalgam waste may contain teeth and traces of mercury (WHITE bin)

Our incinerators

Medical incinerators

We provide medical incinerators for the whole gamut of clinical environments, offering a convenient and safe solution for medical waste disposal. Our incinerators reduce infection control risk, deal with used sharps and PPE, dispose of potentially harmful medication and by products, and underpin due diligence for medical environments.

Our medical incinerators include:

- Hospital incinerators
- Health clinic incinerators
- Pharmaceutical incinerators
- Pathological incinerators
- Laboratory incinerators
- Cytotoxic waste incinerators

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How Incineration Works.

Incineration is a waste treatment process that involves the combustion of substances contained in waste materials.

Incineration and other high-temperature waste treatment systems are sometimes described as "thermal treatment".

- **Parts of an incinerator**

Incinerators don't necessarily use state of the art technology, they use parts that are great at operating within high heat environments and excel while under stress. All parts in our incinerators have been selected due to their ability to stand the test of time and have been constructed and designed from the very best materials.

- **Primary Chamber**

This is where the waste is loaded and ignited. In most incinerators, the ignition occurs due to the high ambient temperatures being retained within the chamber lining.

- **Secondary Chamber**

Required by law in Europe, USA, Australia and Canada as it prevents the formation of harmful particulates. In many countries the law stipulates that flue gas must be resident in this secondary chamber for at least 2 seconds at 850°C or above.

- **Velocity Cowl**

Most incinerators require a stack height of at least 3m. This will be higher in more built-up areas or where atmospheric conditions dictate. The design pushes gases high up into the air for wide desperation.

- **Control Panel & Thermocouples**

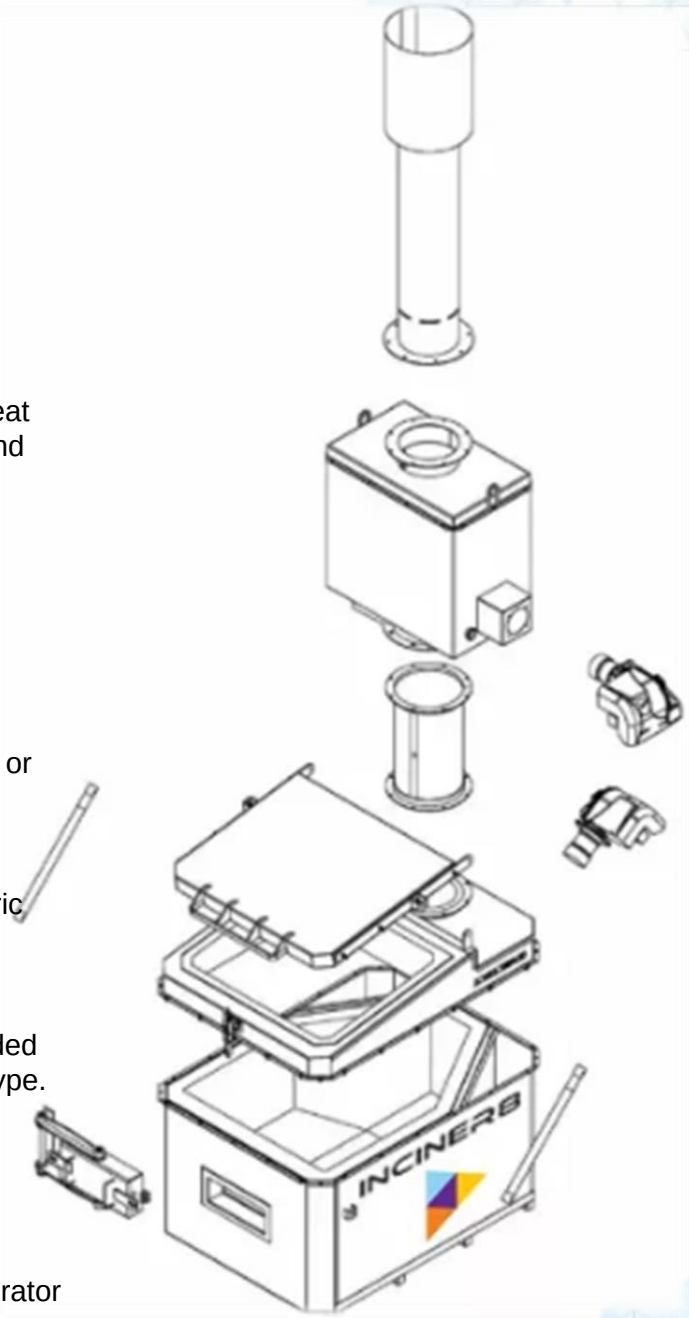
These control the operation of the machine and ensure the chambers are up to temperature before any waste is loaded for incineration. The settings can be completely customised to the operators requirements depending on the waste type.

- **Burners**

These are used to heat up the incinerator and are usually switched off during the combustion stage.

- **Fuel Tanks (Diesel)**

As the name suggests this is where the fuel is stored. The burners will have direct lines into the tank when the incinerator is in use.



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i8-M120

OPERATIONAL SPEC

Combustion Chamber Volume (m^3)	1.25m^3
Burn Rate (Kg p/h)	Up to 100Kg
Fuel Consumption (Ltrs p/hour)	13-18ltrs
Time To Temp	45-60 mins
Gas retention Time (Seconds)	2 secs
Loading Method	TOP Load
Fuel Options	Light Oil or Gas/LPG
Electricity Supply	110v or 230v
Control Panel (IP Rating)	IP54
Heat Recovery	Yes
Auto Ash Removal	No
Auto Loader Compatible	No
Remote Monitoring	No
Ash Residue	3-5%
Recommended Operational Temperature	850 - 1200°C

HT THERMOCOUPLES

Independent control of primary and secondary temperatures via the control panel.

SECONDARY CHAMBER

Retains and re-burns the exhaust gases for minimum of 2 seconds at 850°C.

CHIMNEY STACK

Stainless steel stack for longevity. Fitted with a Velocity Cowl as standard.

PRIMARY CHAMBER

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

SAFE USE HANDLES

Easy to open and close loading door. Designed to increase operator safety.

COOL TOUCH CLADDING

Steel cladding to reduce risk of infection and increase longevity of system.

LOW NOX BURNERS

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

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The Burners

ECOFLAM BURNER SPECIFICATIONS

PARAMETER (1/2 HR AV)	LIMITS	MEASURED*
Total Dust	30mg/m^3	12mg/m^3
Sulphur Dioxide	200mg/m^3	2.4mg/m^3
Nitrogen Dioxide	400mg/m^3	60mg/m^3
Carbon Monoxide	100mg/m^3	78.3mg/m^3

**The above figures are guidelines ONLY.*

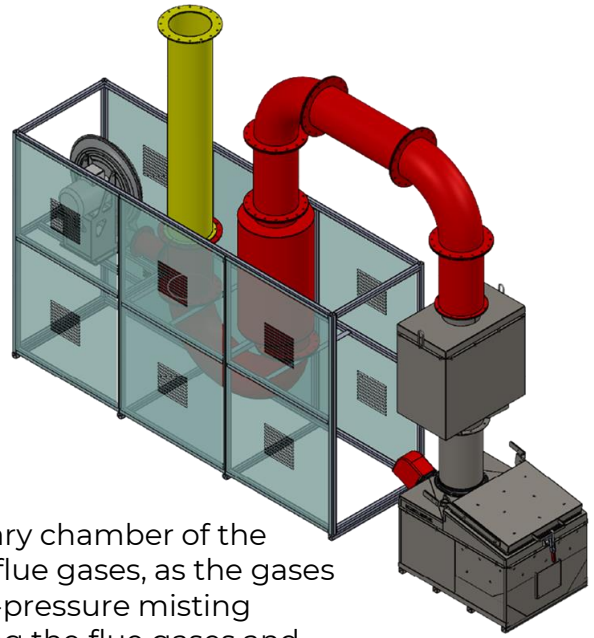
Ecoflam

- MAX 1-12 have electrical frequency 50-60 Hz
- High efficiency fan ventilation system (HPV)
- Low NOx version class 3 with yellow flame
- Designed in compliance with current regulations
- ISO 9001 and VISION 2000 certification
- All burners are fire tested

NB: picture for illustration purposes only

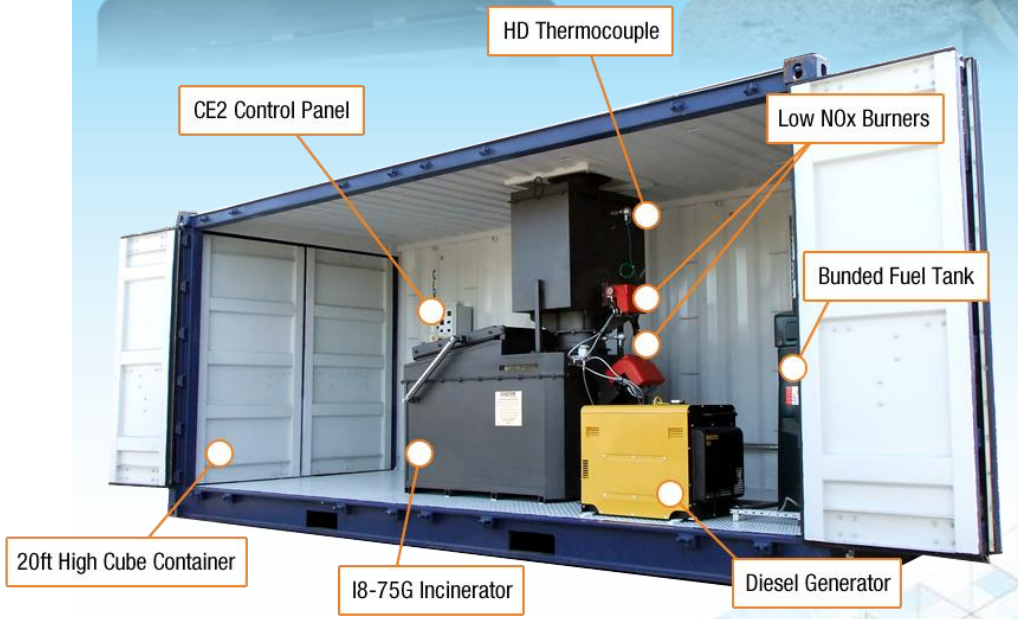
The Venturi

- Reduces overall emissions levels
- Cool-touch outer cladding
- Minimal power consumption
- Continuous operation
- Minimal maintenance
- Self-contained design
- Can be used on mobile incinerators
- Heavy-duty steel framework
- Can be containerized upon request



The VGS filters the flue gases exiting from the secondary chamber of the incinerator by utilizing pressurized liquid to clean the flue gases, as the gases enter the Venturi chamber they converge with a high-pressure misting device which dispenses the liquid subsequently cooling the flue gases and **neutralizing acid gases such as HCl and SO2.**

The All-in-One Containerised Solution



Our Customers

“This project was fully funded by the local Governments’ Health Department and was launched to the local community at a special event aimed to raise awareness and provide useful information on why this programme has been setup.”

Chief Medical Advisor, MSD Quetta

defra

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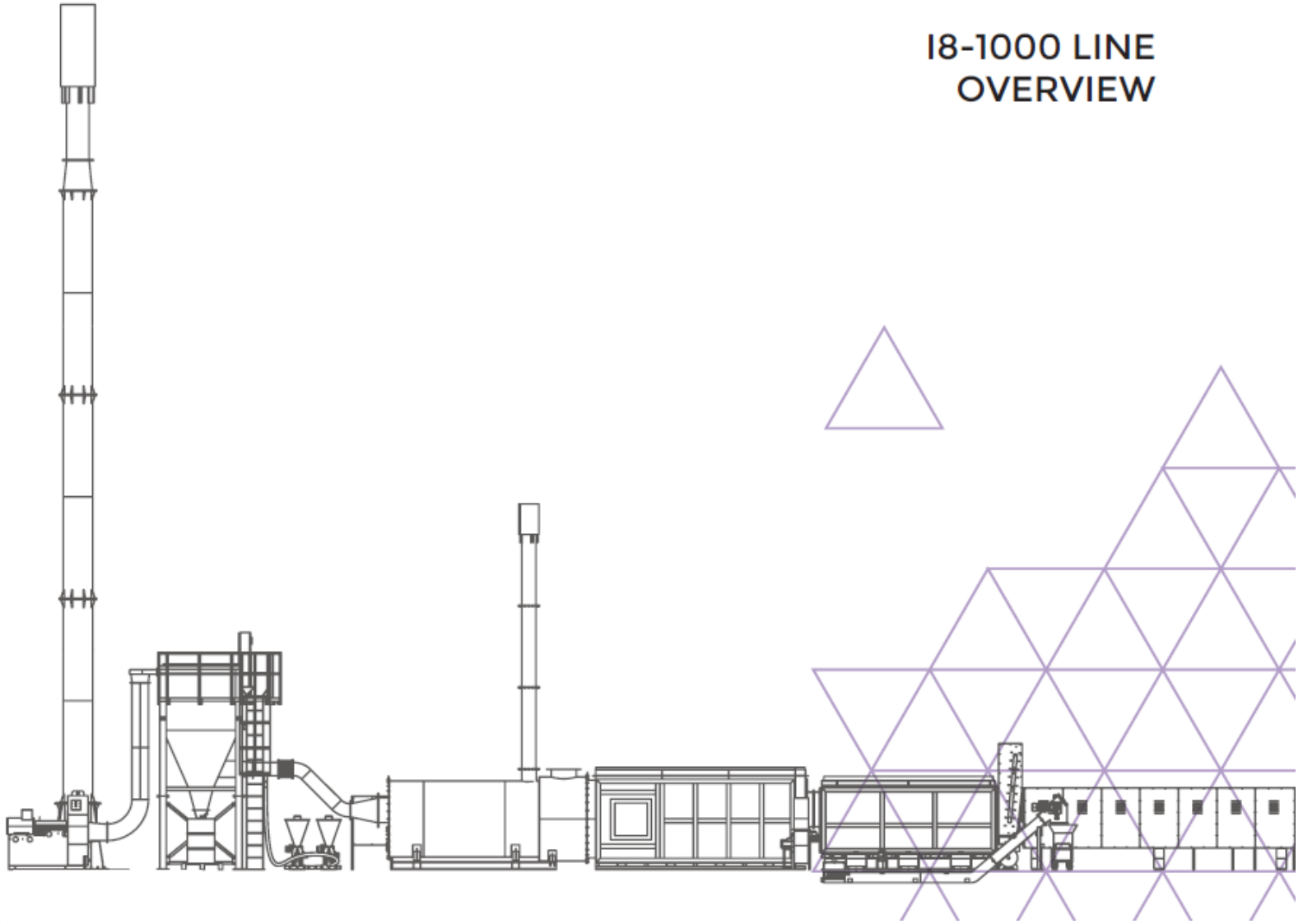
Solution 1:

I8-1000 LINE
OVERVIEW



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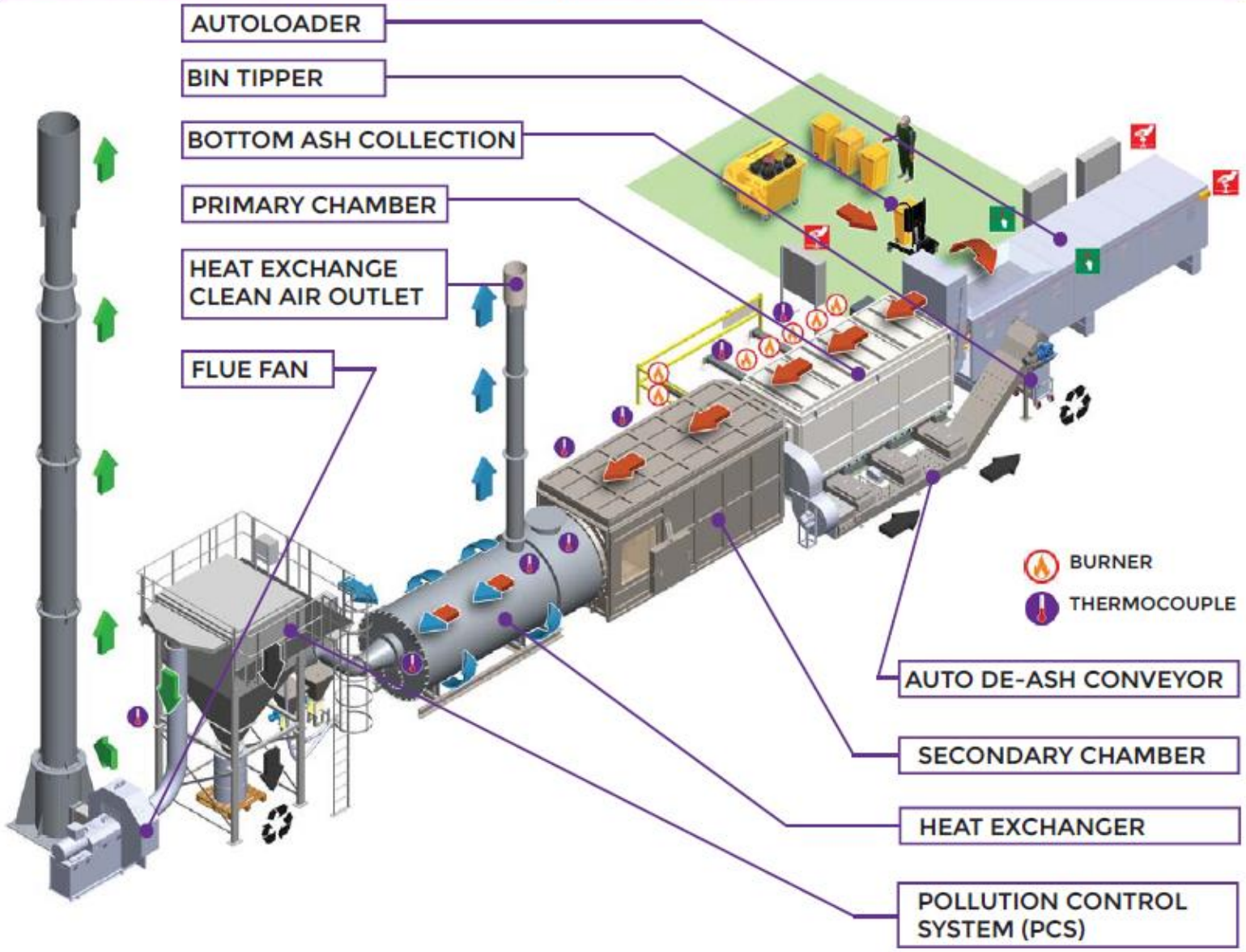
WASTE FLOW & SUB-COMPONENTS

model: **i8-1000 line**



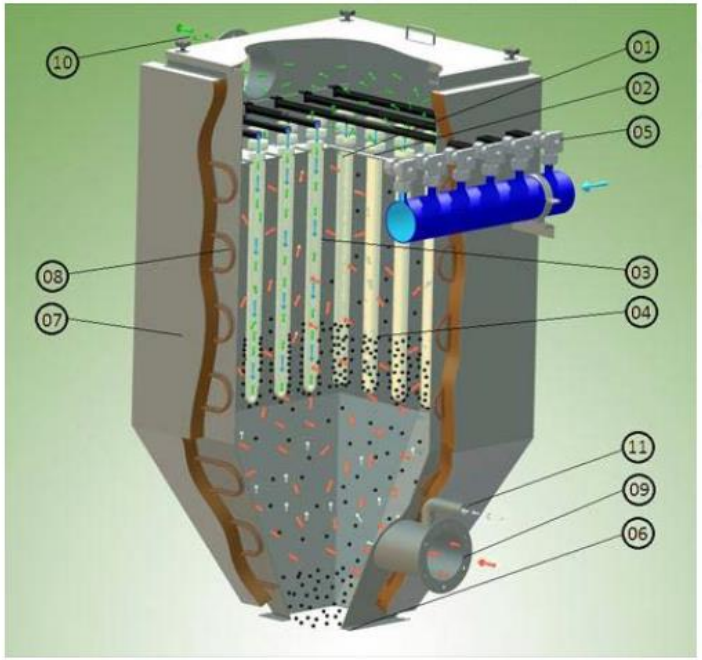
Solutions

Pollution control systems – Cleaner & Greener

HOW THE I8-PCS WORKS

Our i8-PCS is a highly complex pollution control unit using some of the highest quality materials we produce in order to achieve the absolute minimum pollution levels whilst running our incinerators. Below will show you a step by step process of how our i8-PCS440 works and how it delivers such great results.

- The Element (1) hangs vertically from header plate (2) within the filter vessel. The header plate separates the filter's clean and dirty compartments.
- Hot Gas is drawn through the filter medium (3) from outside to inside.
- Particulates and dry scrubbing sorbents are collected on the outer surface (4) of each filter element. These consist of the PM10, PM 2.5 size ranges; these agglomerate.
- The particles are removed from the element by reverse jet cleaning (5). This reversal causes the accumulated solids to be detached from the outer surface of the ceramic filter elements.
- The particulates and spent dry-scrubbing sorbents are discharged through the hopper outlet (6) for collection and disposal.
- The filter body can be protected with insulation (7) and trace heated (8) to prevent the formation of the condensation when the equipment is not in use.
- Incoming gas stream (9) and sorbent (if required).
- Outgoing cleansed gas stream (10) Injection point for activated carbon and/or sodium bicarbonate.



Case Study

Location:
Indonesia, SE Asia
Client:
Private Waste Management Company
Waste Type:
Medical Waste & Bio-hazards
Incinerator Supplied:
i8-700 with Autoloader Model

Spearheading Medical Waste Management in Indonesia

In a country where over 10% live under the poverty line, having effective waste management solutions in place can be tricky and ultimately expensive.

In Indonesia, many medical facilities do not have access to on-site waste disposal and recently some Government backed initiatives have commissioned large facilities for collecting and disposing of large volumes of medical waste safely.

When we were contacted to supply a high-capacity medical incinerator for disposing of waste generated by various hospitals, clinics, healthcare centres and laboratories, we were pleased to offer our most advanced i8-700 Medical Incinerator with a completely automatic loading procedure.

Since the required machine needs to incinerate up to 5 tonnes per day of various types of medical waste, only the highest quality of products would do and the i8-700 meets all requirements of the operators including the continuous loading system, which is operated by hydraulic rams.

This piece of technology allows medical waste to be incinerated safely within the combustion chamber without any risk of "ashing" which can be caused by flammable waste igniting instantly and can be dangerous for the operators. With the addition of INCINER8's automatic loading system, there is no abundant risk and the equipment can be operated with maximum safety to the operators without compromising on performance.

GENERAL

INCINER8

WWW.INCINER8.COM

GENERAL 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.

ISO 9001 CERTIFICATION UKAS

NORTHERN POWERHOUSE

MADE IN BRITAIN

Department for Environment Food & Rural Affairs

YOUR TRUSTED PARTNER FOR ALL TYPES OF WASTE INCINERATION

Incineration is an effective, efficient and safe way to dispose of waste from all kinds of environments, from small industrial facilities to large municipal facilities. An ideal solution for diverting waste from landfill, many of our incinerators can be specified to enable filtered waste to be converted into energy, delivering waste management, environmental and cost benefits.

Designed and manufactured in Britain to ISO 9001 accredited quality assurance standards. Our machines are widely used across a wide range of sectors, in the UK and around the world, including municipal waste management, manufacturing, mining, and hospitality, as well as tackling serious waste management challenges, including controlled drug disposal, humanitarian response and marine waste.

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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 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 increased airflow for when you need a stronger combustion reaction 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

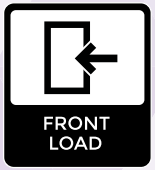
Our USB data logging allows the operator to digitally download all data from the incinerator and export them into easy to read formats to share with relevant authorities. This allows you to comply with local laws with ease and gives you the capability to log all your data on a small and secure device.

HYDRAULIC DOOR

We manufacture our incinerators from heavy-duty steel, hydraulic doors are fitted to some of our 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

Incinerators come in two forms of loading capabilities: top and front, 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.

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.

I8-10S

The i8-10S General Incinerator is one of our most compact and effective small incinerators with suitability for various waste types including general, medical and animal. The addition of a secondary chamber allows this model to operate without smoke, odours or harmful emissions. Great value and professionally engineered.

OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	0.1m^3	Door Size (mm)	330 x 330mm
Burn Rate*	up to 10kg p/h	External Length (mm)	1300mm
Average Fuel Consumption	3-4 ltrs p/h	External Width (mm)	700mm
Operational Temperature	> 850^{o}c	External Height (mm)	3280mm
Gas retention	2 secs	Shipping Weight	500kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Document Waste
- Contraband/Drugs
- Remote Camps
- Small Island Communities
- Event Waste
- Refugee Camps

I8-20G

LOAD CAPACITY | CORETEX INSULATION | TOP LOAD | CONTAINER CONFIGURE | TRAILER CONFIGURE

The i8-20G is one of the smallest general incinerators in our range. The top-loading design means liquids are well contained within this system during combustion. The i8-20G is perfect for small camps, individual businesses or communities where waste streams are low. It is one of the most affordable ways to introduce yourself to the world of Inciner8.

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	4-6 ltrs p/h	External Width (mm)	670
Operational Temperature	> 850^{o}c	External Height (mm)	3670
Gas retention	2 secs	Shipping Weight	800kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Document Waste
- Remote Camps
- Contraband/Drugs
- Small Island Communities
- School/College Campuses
- Military operations

I8-40G

LOAD CAPACITY | CORETEX INSULATION | TOP LOAD | CONTAINER CONFIGURE | TRAILER CONFIGURE

Our i8-40G builds upon the success of our i8-20G and is a simple and effective incinerator from our small range. It excels due to its suitability for various non-hazardous waste types such as wood, paper, cardboard and other uncontaminated materials. It features advanced chamber technology with an afterburner for the re-burn of harmful emissions with a 2 second retention time to comply with stringent environmental standards. This is a complete compact waste solution.

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	9-11 ltrs p/h	External Width (mm)	1300
Operational Temperature	> 850^{o}c	External Height (mm)	4400
Gas retention	2 secs	Shipping Weight	1520kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Contraband/Drugs
- Document Waste
- Remote Camps
- Cannabis Waste
- Holiday Resorts
- Event Waste

I8-55G

LOAD CAPACITY | CORETEX INSULATION | TOP LOAD | CONTAINER CONFIGURE | TRAILER CONFIGURE

I8-55G model, a great investment, is a mid range incinerator. The i8-55G General Incinerator is one of the most popular models in our medium capacity range due to its simple, effective use as a multi-purpose incinerator with suitability for disposing of general and medical waste. The addition of advanced secondary chamber technology with a gas retention time of 2.0 seconds allows to i8-55A to comply with stringent environmental standards for various types of waste. The top-loading design means liquids are well retained within the system during combustion and its smaller size belies high efficiency and impressive burn rates.

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	11-13 ltrs p/h	External Width (mm)	1300
Operational Temperature	> 850^{o}c	External Height (mm)	4080
Gas retention	2 secs	Shipping Weight	2100kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Holiday Resorts
- Event Waste
- Cannabis Waste
- Small Island Communities
- School/College Campuses
- Military operations

I8-75G

I8-75G model is a mid range incinerator, giving you quality design and engineering. The i8-75G General Incinerator is one of the most popular models in our medium capacity range due to its simple, effective use as a multi-purpose incinerator with suitability for disposing of general solid waste and medical waste. The addition of advanced secondary chamber technology with a gas retention time of 2.0 seconds allows the i8-75G to comply with stringent environmental standards for various types of waste.

OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	0.75m^3	Door Size (mm)	990 x 920mm
Burn Rate*	up to 50kg p/h	External Length (mm)	2300mm
Average Fuel Consumption	11-15 ltrs p/h	External Width (mm)	1600mm
Operational Temperature	> 850^{o}c	External Height (mm)	4680mm
Gas retention	2 secs	Shipping Weight	3000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Commercial Waste
- Industrial Waste
- Event Waste
- Small Island Communities
- Holiday Resorts
- Military Operations

I8-140G

LOAD CAPACITY | CORETEX INSULATION | TOP LOAD | CONTAINER CONFIGURE | TRAILER CONFIGURE

Our i8-140G is a model that can be used for a variety of applications. The large capacity, advanced secondary chamber technology and option for automatic waste loading provide an effective and sustainable waste disposal method for many different types of industries generating a high daily volume of waste. It delivers a clean and tidy effective waste solutions and can be a great return on your investment.

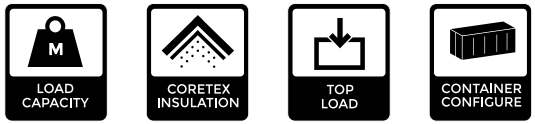
OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	1.35m^3	Door Size (mm)	1450 x 750mm
Burn Rate*	up to 100kg p/h	External Length (mm)	3050mm
Average Fuel Consumption	14-19 ltrs p/h	External Width (mm)	1700mm
Operational Temperature	> 850^{o}c	External Height (mm)	4180mm
Gas retention	2 secs	Shipping Weight	3200kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Emergency Camps
- Refugee Camp
- Mining Operations
- Small Island Communities
- Cannabis Waste
- Military Operations

I8-200G



The i8-200G is the middle incinerator in our medium lineup. It can be used for a variety of applications, large enough to offer impressive burn rates and batch sizes, whilst still being small enough to fit in a 20ft container. The i8-200G features a top-loading design with a large opening for bulky waste items. Like all our 'G' range models it features 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	1.92m^3	Door Size (mm)	2040 x 1060
Burn Rate*	up to 180kg p/h	External Length (mm)	3200
Average Fuel Consumption	20-25 ltrs p/h	External Width (mm)	2100
Operational Temperature	> 850^{o}c	External Height (mm)	4390
Gas retention	2 secs	Shipping Weight	6500kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Commercial Waste
- Industrial Waste
- Event Waste
- Mining Operations
- Small Island Communities
- Cannabis Waste

I8-250G

LOAD CAPACITY | CORETEX INSULATION | TOP LOAD | CONTAINER CONFIGURE

I8-250G model is the first of our larger models with the internal capacity to handle larger bulky single items. The i8-250G is a high capacity model from our range of general waste incinerators with suitability for various waste streams such as RDF, SRF, wood, paper, cardboard and plastics. The large capacity, advanced secondary chamber technology and option for automatic waste loading provides an effective and sustainable waste disposal method for many different types of industries generating a high daily volume of waste. This unit benefits from a large secondary chamber with an afterburner for the re-burn of harmful emissions at over 850°C with a 2 second retention time.

OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	2.4m³	Door Size (mm)	2530 x 1060
Burn Rate*	up to 220kg p/h	External Length (mm)	3900
Average Fuel Consumption	25-30 ltrs 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:

- Large Hotels
- Industrial Waste
- Event Waste
- Contraband/Drugs
- Cannabis Waste
- Mining Operations

I8-500G

LOAD CAPACITY | CORETEX INSULATION | TOP LOAD | HYDRAULIC DOOR

One of our newest systems is the i8-500, It uses groundbreaking design and uses features found on our much larger machines. The i8-500 took over two years to develop and 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. It features a large loading chamber which can easily accomodate a full carcass or 350kg per batch of other waste.

OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	5.00m^3	Door Size (mm)	3500 x 1500
Burn Rate*	up to 300kg p/h	External Length (mm)	5000
Average Fuel Consumption	30-40 ltrs p/h	External Width (mm)	2800
Operational Temperature	> 850^{o}c	External Height (mm)	5750
Gas retention	2 secs	Shipping Weight	18000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Large Hotels
- Industrial Waste
- Remote Camps
- Island Communities
- Cannabis Waste
- Military Operations

I8-700G

LOAD CAPACITY | CORETEX INSULATION | TOP LOAD | HYDRAULIC DOOR | SMARTPANEL MONITORING

The second biggest model in our general range is the i8-700G. 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 waste disposal solution for many different types of industries with large volumes of waste such as RDF, SRF and MSW. We offer a plethora of options in terms of pre-processing and post-combustion - all geared to increasing the performance and efficiency of this unit. The top-loading design provides liquid retention making this incinerator ideal for the incineration of many different waste streams. Unless specified this model uses our NX PLC range of control panels.

OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	6.75m^3	Door Size (mm)	4580 x 1500
Burn Rate*	up to 400kg p/h	External Length (mm)	6200
Average Fuel Consumption	40-50 ltrs p/h	External Width (mm)	2800
Operational Temperature	> 850^{o}c	External Height (mm)	5750
Gas retention	2 secs	Shipping Weight	19000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Industrial Waste
- Holiday Resorts
- Remote Camps
- College Campuses
- Mining Operations
- Large Event Waste

I8-1000G

LOAD CAPACITY | CORETEX INSULATION | TOP LOAD | HYDRAULIC ARM | SMARTPANEL MONITORING

The flagship model within our general lineup is the i8-1000G. It took over three years to develop and is at the forefront of combustion technology, offering impressive burn rates and large batch sizes while still achieving some of the lowest emissions in its class. The i8-1000G can be customised with viewing windows, external cladding and automatic loading to provide an effective and sustainable waste disposal solution for many different types of industries with large volumes of waste such as RDF, SRF and MSW. It also has the benefit of being fitted with our smartpanel technology allowing operators to remotely monitor performance and see reports from anywhere in the world. Unless specificed this model uses our NX PLC range of control panels.

OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	8.70m^3	Door Size (mm)	4000 x 1500
Burn Rate*	up to 600kg p/h	External Length (mm)	6900
Average Fuel Consumption	40-50 ltrs p/h	External Width (mm)	2900
Operational Temperature	> 850^{o}c	External Height (mm)	6260
Gas retention	2 secs	Shipping Weight	24000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Industrial Waste
- Cannabis Waste
- Remote Camps
- Mining Operations
- Large Hotel Resorts
- Military Operations

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 prefect 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 continous 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.

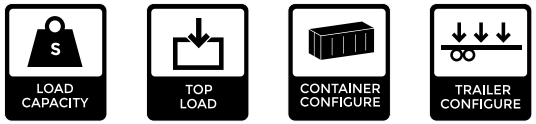
BIN TIPPER

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.

SIROCCO



The Sirocco is our smallest and most portable waste incinerator and has been designed to be easy to relocate and use almost anywhere. Requiring just a small amount of electricity to power the fan - no other fuel source is required. The efficient process reduces waste to as little as 3% of its initial volume. It uses cyclonic air technology by using the high-pressure fan to pull air into the main drum to create a high oxygen environment. This creates optimum conditions for complete combustion with impressive burn rates and the added benefit of no smoke or smell.

OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	0.2m^3	Door Size (mm)	0.57Ø
Burn Rate*	up to 15kg p/h	External Length (mm)	900
Electricity Consumption	0.26 kW/h	External Width (mm)	600
Gas Retention	0.5 secs	External Height (mm)	1200
Average Ash Residue (%)	3%	Shipping Weight	70kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Document Waste
- Contraband/Drugs
- Remote Camps
- Small Island Communities
- Invasive Plants
- Event Waste

INCINER8

WWW.INCINER8.COM

AGRICULTURAL INCINERATOR CATALOGUE

AGRICULTURAL

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.

TRUSTED BY FARMERS ACROSS THE GLOBE

Incineration of both animal waste and animal carcasses are the best way to ensure bio-security in the agricultural sector. At Inciner8, with our heritage in the farming sector, we are the trusted experts in incineration for farms and agricultural businesses of all sizes, all over the world.

Designed and manufactured in Britain to ISO 9001 accredited quality assurance standards, our machines are widely used for ABP (Animal By-Products), farm waste and fallen stock requirements. Disposing of waste safely and efficiently with our incinerators enables farms and agricultural businesses around the world to safeguard livestock by controlling disease and tackling waste responsibly.

All of our agricultural incinerators are Defra type approved by conforming with all their current guidelines. For more information in regards to Defra regulations please contact our sales team who will be more than happy to answer all your questions.

Department for Environment Food & Rural Affairs
TYPE APPROVED

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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 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 increased airflow for when you need a stronger combustion reaction 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

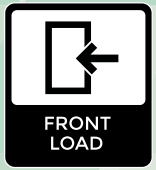
Our USB data logging allows the operator to digitally download all data from the incinerator and export them into easy to read formats to share with relevant authorities. This allows you to comply with local laws with ease and gives you the capability to log all your data on a small and secure device.

HYDRAULIC DOOR

We manufacture our incinerators from heavy-duty steel, hydraulic doors are fitted to some of our 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

Incinerators come in two forms of loading capabilities: top and front, 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.

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.

I8-20A

The i8-20A is the smallest agricultural incinerator in our range. The top loading design means liquids are well contained within this system during combustion. The i8-20A is perfect for small farms, veterinary practices or other small businesses within the agricultural world. It is also one of the most affordable ways to introduce yourself to the world of Inciner8.

OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	0.18m^3	Door Size (mm)	490 x 490
Burn Rate*	up to 30kg p/h	External Length (mm)	1600
Average Fuel Consumption	7-9 ltrs p/h	External Width (mm)	850
Operational Temperature	> 850^{o}c	External Height (mm)	4310
Gas retention	2 secs	Shipping Weight	1230kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Animal Breeders
- Catteries
- Animal Rescue Centres
- Animal Research Centres
- Kennels
- Game & Hunt Waste

I8-40A

LOAD CAPACITY | CORETEX INSULATION | TOP LOAD | CONTAINER CONFIGURE | TRAILER CONFIGURE

Our i8-40A builds upon the success of our i8-20A and is a simple and effective agricultural incinerator from our smaller range. It excels in being a machine that is capable of dealing with a wide range of waste at an affordable price point. It features advanced chamber technology with an afterburner for the re-burn of harmful emissions with a 2 second retention time giving you a complete compact waste solution.

OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	0.36m^3	Door Size (mm)	560 x 560
Burn Rate*	up to 40kg p/h	External Length (mm)	1600
Average Fuel Consumption	9-11ltrs p/h	External Width (mm)	1300
Operational Temperature	> 850^{o}c	External Height (mm)	4400
Gas retention	2 secs	Shipping Weight	1520kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Animal Breeders
- Catteries
- Animal Research
- Animal Rescue Centres
- Kennels
- Game And Hunt Waste

I8-55A

LOAD CAPACITY | CORETEX INSULATION | TOP LOAD | CONTAINER CONFIGURE | TRAILER CONFIGURE

I8-55A model, a great investment, is a mid range incinerator. It is a medium capacity animal incinerator from our range of 'DEFRA Approved' models and is suitable for disposing of birds, poultry and large domestic animals with dual function as a pet cremation system. This option benefits from a simple top loading door and advanced secondary chamber technology to provide an environmentally friendly option for a variety of industries. This top loader is the perfect choice if you need liquid retention making this incinerator ideal for incineration of most types of animal waste. This unit benefits from a secondary chamber with an afterburner for the reburn 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 50kg p/h	External Length (mm)	2000
Average Fuel Consumption	11-13 ltrs p/h	External Width (mm)	1300
Operational Temperature	> 850^{o}c	External Height (mm)	4480
Gas retention	2 secs	Shipping Weight	2100kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Emergency Outbreaks
- Livestock Farms
- Kennel Waste
- Animal Reserch Centre
- Animal Breeders
- Game & Hunt Waste

I8-75A

LOAD CAPACITY | CORETEX INSULATION | TOP LOAD | CONTAINER CONFIGURE | TRAILER CONFIGURE

I8-75A model is a mid range incinerator, giving you quality design and engineering. The i8-75A is a medium capacity animal incinerator from our range of 'DEFRA Approved' models and is suitable for disposing of game, deer, poultry, sheep and the largest breeds of domestic animals with dual function as a pet cremation system. This option benefits from a simple top loading door and advanced secondary chamber technology to provide an environmentally friendly option for a variety of industries.

OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	0.75m^3	Door Size (mm)	990 x 920
Burn Rate*	up to 50kg p/h	External Length (mm)	2300
Average Fuel Consumption	11-15 ltrs p/h	External Width (mm)	1600
Operational Temperature	> 850^{o}c	External Height (mm)	4680
Gas retention	2 secs	Shipping Weight	3000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Renderers
- Kennels
- Farms
- Game & Hunt Waste
- Emergency Outbreaks
- Abattoirs

I8-140A

I8-140A model is a high performance, medium sized incinerator. The i8-140A is a high capacity animal incinerator which is suitable for disposing of large domestic animals, sheep, lambs and many others benefiting from a wide opening door and high hourly burn rates. This model is an ideal waste disposal solution for farms, shooting practices, slaughterhouses, abattoirs or veterinary practices. This unit 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 100kg p/h	External Length (mm)	3050
Average Fuel Consumption	14-19 ltrs p/h	External Width (mm)	1700
Operational Temperature	> 850^{o}c	External Height (mm)	4180
Gas retention	2 secs	Shipping Weight	3200kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Livestock Farms
- Kennels
- Vets
- Animal Waste Collectors
- Abattoirs
- Animal Research Centres

I8-200A

LOAD CAPACITY | CORETEX INSULATION | TOP LOAD | CONTAINER CONFIGURE

The i8-200A is large enough to offer impressive burn rates and batch sizes, whilst still being small enough to fit in a 20ft container. The i8-200A features a top-loading design with a large opening for bulky agricultural waste items. Like all our 'A' range models it is DEFRA Type approved and features 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	1.92m^3	Door Size (mm)	2040 x 1060
Burn Rate*	up to 150kg p/h	External Length (mm)	3200
Average Fuel Consumption	20-25 ltrs p/h	External Width (mm)	2100
Operational Temperature	> 850^{o}c	External Height (mm)	4390
Gas retention	2 secs	Shipping Weight	6500kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Abattoir
- Livestock Farm
- Large Vets
- Game & Hunt Waste
- Emergency Outbreaks
- Animal Waste Collectors

I8-250A

LOAD CAPACITY | CORETEX INSULATION | TOP LOAD | CONTAINER CONFIGURE

The i8-250A is one of our mid-sized models that 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 i8-250A features a top-loading design with a large opening for bulky waste items. Like all our 'A' range models it is DEFRA Type approved and features 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	2.40m^3	Door Size (mm)	2530 x 1610
Burn Rate*	up to 175kg p/h	External Length (mm)	3590
Average Fuel Consumption	25-30 ltrs p/h	External Width (mm)	1390
Operational Temperature	> 850^{o}c	External Height (mm)	4640
Gas retention	2 secs	Shipping Weight	8000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Kennels
- Vets
- Livestock Farms
- Animal Waste Collectors
- Emergency Outbreaks
- Game & Hunt Waste

I8-500A

LOAD CAPACITY | CORETEX INSULATION | TOP LOAD | HYDRAULIC DOOR

One of our newest designs is the i8-500A it uses groundbreaking design and uses features found on our larger machines. Taking over two years to develop, the i8-500A 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. It is suitable for disposing of horses, cattle and other large animals benefiting from a wide opening door and high hourly burn rates. This model is an ideal disposal solution for farms, shooting practices, slaughterhouses, abattoirs, veterinary practices or similar facilities with high quantities of animals. You also get one of the largest primary chambers around, controlled air incineration as standard, and a plethora of options in terms of pre-processing and post-combustion - all geared to increasing the performance and efficiency of this unit.

OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	5.00m^3	Door Size (mm)	3500 x 1500
Burn Rate*	up to 450kg p/h	External Length (mm)	5000
Average Fuel Consumption	30-40 ltrs p/h	External Width (mm)	2800
Operational Temperature	> 850^{o}c	External Height (mm)	5750
Gas retention	2 secs	Shipping Weight	18000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Livestock Farms
- Kennels
- Vets
- Animal Waste Collectors
- Game & Hunt Waste
- Emergency Outbreaks

I8-700A

LOAD CAPACITY | CORETEX INSULATION | TOP LOAD | HYDRAULIC DOOR | SMARTPANEL MONITORING

The second biggest model in our agricultural range is the i8-700A. The machine was designed to out perform 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 waste disposal solution all agrcultrual waste. We offer a plethora of options in terms of pre-processing and post-combustion - all geared to increasing the performance and efficiency of this unit. Top loading design provides liquid retention making this incinerator ideal for incineration of many different waste streams. This model uses our NX PLC range of control panels. Non PLC system can be ordered on request.

OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	6.75m^3	Door Size (mm)	4580 x 1500
Burn Rate*	up to 600kg p/h	External Length (mm)	6200
Average Fuel Consumption	40-50 ltrs p/h	External Width (mm)	2800
Operational Temperature	> 850^{o}c	External Height (mm)	5750
Gas retention	2 secs	Shipping Weight	19000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Abattoir
- Livestock Farm
- Large Vets
- Game & Hunt Waste
- Emergency Outbreaks
- Animal Waste Collectors

I8-1000A

LOAD CAPACITY | CORETEX INSULATION | TOP LOAD | HYDRAULIC DOOR | SMARTPANEL MONITORING

The flagship model within our agricultural lineup is the i8-1000A, it is the biggest machine within our agricultural range and took over three years to develop. The i8-1000A is at the forefront of combustion technology and offers impressive burn rates and large batch sizes while still achieving some of the lowest emissions in its class. The i8-1000A can be customised with viewing windows, external cladding and automatic loading to provide an effective and sustainable waste disposal solution for many different types of agricultural waste. The i8-1000A also has the benefit of being fitted with our NX PLC control panel including smartpanel technology allowing operators to remotely monitor performance and diagnose any issues should they occur.

OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	8.70m^3	Door Size (mm)	4000 x 1500
Burn Rate*	up to 800kg p/h	External Length (mm)	6900
Average Fuel Consumption	40-50 ltrs p/h	External Width (mm)	2900
Operational Temperature	> 850^{o}c	External Height (mm)	6260
Gas retention	2 secs	Shipping Weight	24000kg

*Burn rates dependent on waste stream and calorific value

TYPICAL APPLICATIONS:

- Large Abattoirs
- Emergency Outbreaks
- Game and Hunt Waste
- Stable & Stud Farm
- Animal Waste Collectors
- Large Livestock Farms

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.

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.

CARCASS TIPPER

Inciner8's carcass 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.

ANNUAL SPARES PACKAGE

One year spare parts package is the prefect 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 continous yearly purchase so you are always backed up with instant replacements.

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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.

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.

INCINER8

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MEDICAL INCINERATOR CATALOGUE

MEDICAL

AWARD-WINNING WASTE INCINERATORS

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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

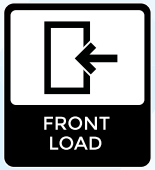
The optional USB data logging allows the operator to digitally download all data from the incinerator and export them into easy to read formats to share with relevant authorities. This allows you to comply with local laws with ease and gives you the capability to log all your data on a small and secure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

LOAD CAPACITY | CORETEX INSULATION | MISTRAL TECHNOLOGY | TOP LOAD | CONTAINER CONFIGURE | TRAILER CONFIGURE

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.

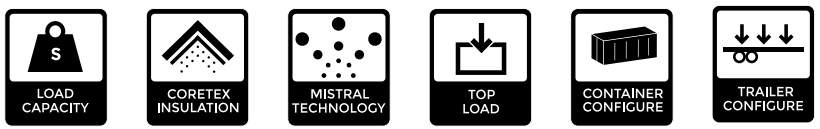
OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	0.18m^3	Door Size (mm)	490 x 490
Burn Rate*	up to 20kg p/h	External Length (mm)	1600
Average Fuel Consumption	7-9 ltrs p/h	External Width (mm)	1050
Operational Temperature	> 850^{o}c	External Height (mm)	4310
Gas retention	2 secs	Shipping Weight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

LOAD CAPACITY | CORETEX INSULATION | MISTRAL TECHNOLOGY | TOP LOAD | CONTAINER CONFIGURE | TRAILER CONFIGURE

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.

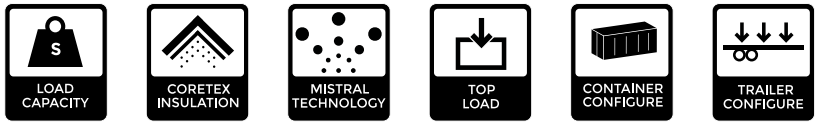
OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	0.54m^3	Door Size (mm)	720 x 830
Burn Rate*	up to 40kg p/h	External Length (mm)	2000
Average Fuel Consumption	10-13ltrs p/h	External Width (mm)	1300
Operational Temperature	> 850^{o}c	External Height (mm)	4480
Gas retention	2 secs	Shipping Weight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

LOAD CAPACITY | CORETEX INSULATION | MISTRAL TECHNOLOGY | FRONT LOAD | CONTAINER CONFIGURE | TRAILER CONFIGURE

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.

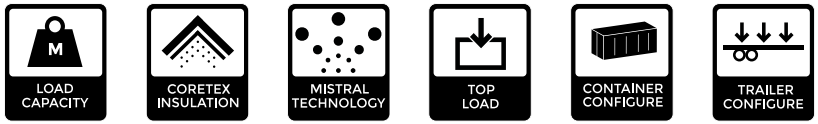
OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	0.57m^3	Door Size (mm)	0.57Ø
Burn Rate*	up to 70kg p/h	External Length (mm)	2080
Average Fuel Consumption	15-20ltrs p/h	External Width (mm)	1100
Operational Temperature	> 850^{o}c	External Height (mm)	3840
Gas retention	2 secs	Shipping Weight	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.

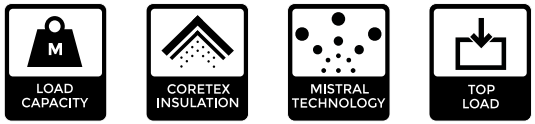
OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	1.35m³	Door Size (mm)	1450 x 750
Burn Rate*	up to 80kg p/h	External Length (mm)	3050
Average Fuel Consumption	14-19ltrs p/h	External Width (mm)	1700
Operational Temperature	> 850ºc	External Height (mm)	4180
Gas retention	2 secs	Shipping Weight	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.

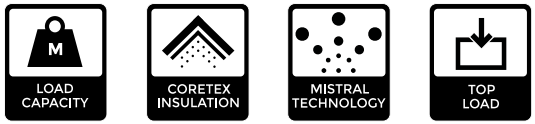
OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	1.25m^3	Door Size (mm)	640 x 540
Burn Rate*	up to 100kg p/h	External Length (mm)	2400
Average Fuel Consumption	13-18ltrs p/h	External Width (mm)	1300
Operational Temperature	> 850^{o}c	External Height (mm)	8100
Gas retention	2 secs	Shipping Weight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

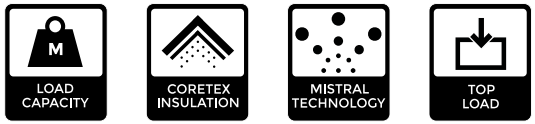
OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	1.92m^3	Door Size (mm)	2040 x 1060
Burn Rate*	up to 100kg p/h	External Length (mm)	3200
Average Fuel Consumption	20-25ltrs p/h	External Width (mm)	2100
Operational Temperature	> 850^{o}c	External Height (mm)	4390
Gas retention	2 secs	Shipping 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^{o}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 technlogy 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.

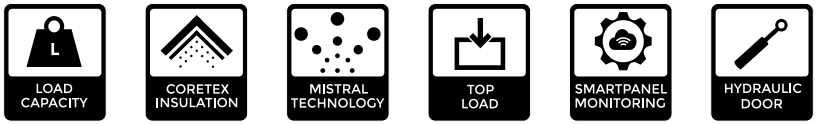
OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	5.00m^3	Door Size (mm)	3500 x 1500
Burn Rate*	up to 225kg p/h	External Length (mm)	5000
Average Fuel Consumption	30-40ltrs p/h	External Width (mm)	2800
Operational Temperature	> 850^{o}c	External Height (mm)	6800
Gas retention	2 secs	Shipping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

*Burn rates dependent on waste stream and calorific value

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.

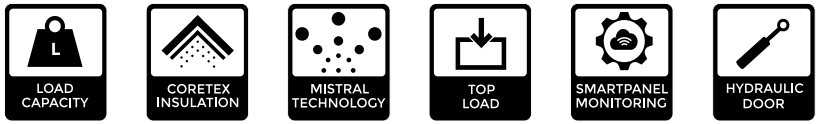
OPERATIONAL SPEC		PHYSICAL SPEC	
Combustion Chamber Volume	6.75m^3	Door Size (mm)	4580 x 1500
Burn Rate*	up to 300kg p/h	External Length (mm)	6200
Average Fuel Consumption	40-50ltrs p/h	External Width (mm)	2800
Operational Temperature	> 850^{o}c	External Height (mm)	5750
Gas retention	2 secs	Shipping 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^{o}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.

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.

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.

ANNUAL SPARES PACKAGE

One year spare parts package is the prefect 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 continous yearly purchase so you are always backed up with instant replacements.

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.

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.