



18-1000 LINE:

The High-Performance Incineration Solution for Global Waste Challenges

For more information visit: www.inciner8.com

up to
1000kg/hour
burn rate

Suitable for
various waste
streams

99.9% clean
air exhaust



THE i8-1000 LINE - OUR MOST ADVANCED INCINERATOR SYSTEM

The i8-1000 is our flagship waste management solution, engineered for large-scale industrial operations. This advanced system processes up to 24,000kg daily while achieving industry-leading low emissions.

Key Performance Advantages

- High-throughput processing for substantial waste volumes
- Advanced combustion technology ensuring complete destruction
- Integrated pollution control maintaining regulatory compliance
- Automated operations reducing manual intervention and costs

Technical Features

High-temperature secondary combustion chamber, automated loading, and sophisticated filtration systems deliver consistent performance in demanding environments.

Why choose the i8-1000 Line?

The i8-1000 addresses critical operational needs, significant waste processing capacity, environmental responsibility, regulatory compliance, and long-term reliability.

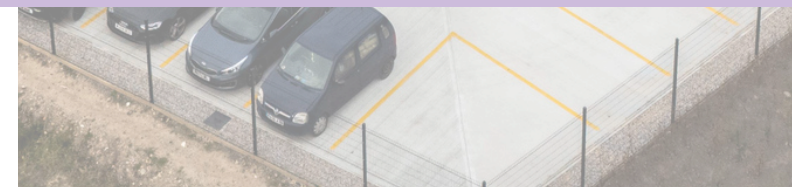
The i8-1000 is the optimal choice for facilities requiring dependable, high-capacity waste incineration with uncompromising environmental standards.



ACCREDITATIONS



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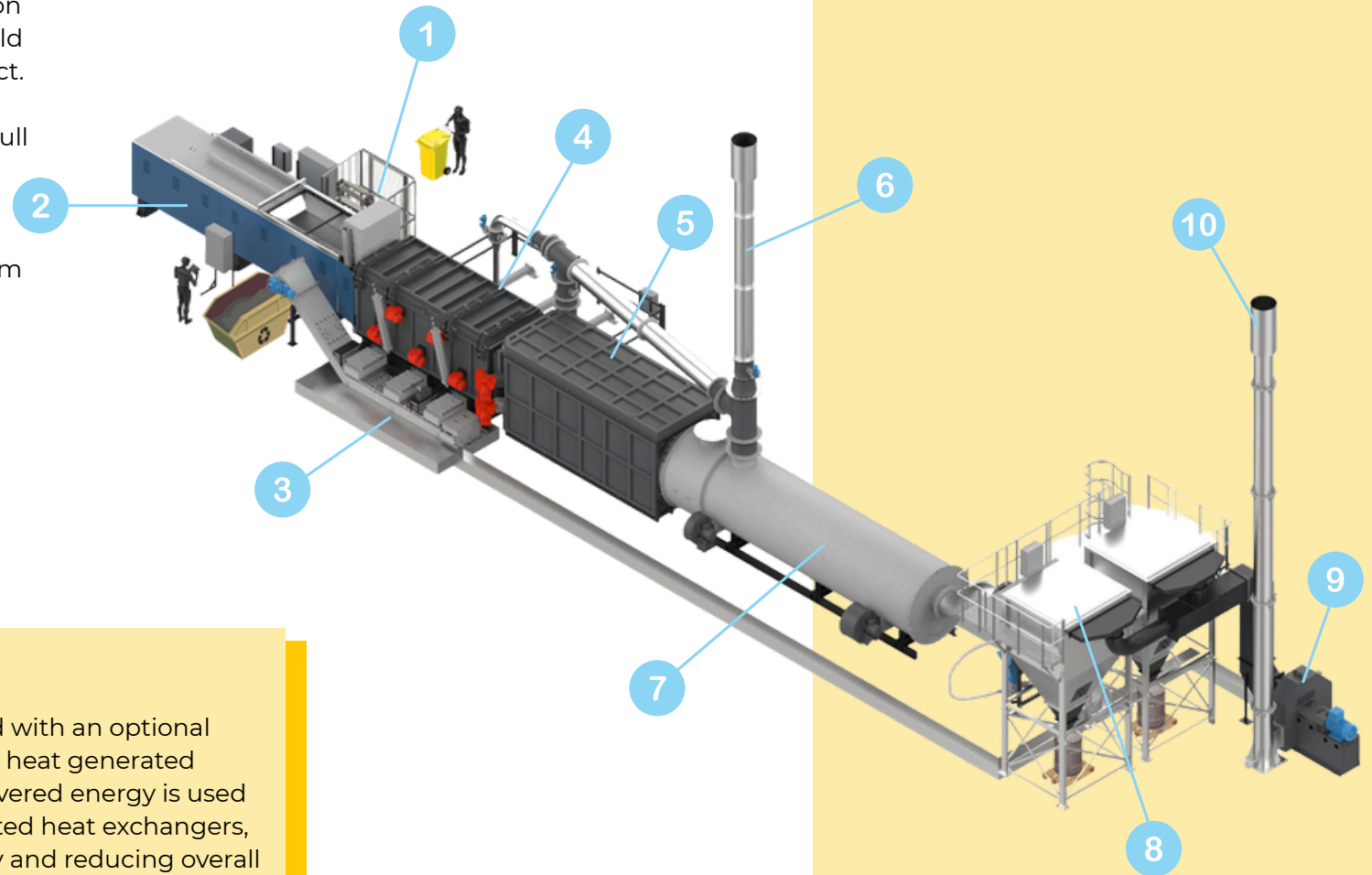


THE FULL i8-1000 LINE

The i8-1000 line is a complete incineration system and includes everything you could need for your waste management project.

The following items are included in the full line system:

1. Bin Tipper System
2. Pneumatic Automatic Loading System
3. Automatic Ash Removal System
4. Primary Combustion Chamber
5. Secondary Combustion Chamber
6. Heat-Exchanger Cooling Air Outlet
7. Heat-Exchanger
8. Modular Pollution Control Pods
9. Flue Fan
10. System Outlet Flue



Waste Heat Recovery Option

Our i8-1000 incinerator can be configured with an optional heat recovery system that captures waste heat generated during the incineration process. This recovered energy is used to preheat the combustion air via integrated heat exchangers, significantly improving thermal efficiency and reducing overall fuel consumption. This option offers both environmental and operational benefits by lowering running costs and reducing carbon emissions, without compromising performance.

SUPERIOR PROCESSING CAPACITY

The i8-1000 incinerator delivers unmatched operational efficiency with its impressive 1000kg/hour throughput capacity that eliminates waste accumulation bottlenecks and keeps your facility running smoothly.

The intelligent automatic ash removal system effectively doubles the unit's processing capacity by eliminating downtime for manual maintenance, while the robust continuous operation capability ensures seamless performance even in the most demanding high-volume environments.

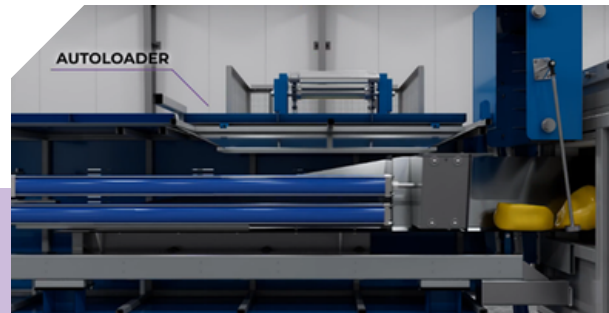
With its versatile multi-purpose waste stream capability, the i8-1000 eliminates the time-consuming and costly need for waste sorting, allowing operators to process diverse waste types simultaneously.

The combination of high throughput, automated maintenance, and operational flexibility makes the i8-1000 the ultimate solution for facilities requiring reliable, high-capacity waste processing without compromise.



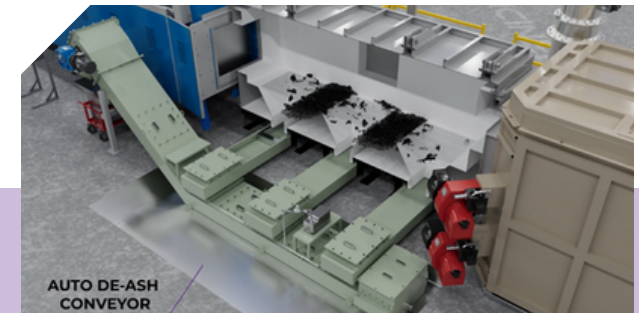
Primary Chamber

The primary combustion chamber features five internationally approved multi-fuel burners with pre-heated combustion air, housed within specialised multi-layer refractory materials engineered for extreme operating temperatures. Industrial-grade construction ensures reliable performance under demanding conditions.



Automatic Loading Systems

Our fully integrated automatic loading system ensures even waste distribution throughout the primary combustion chamber. The end-mounted guillotine door enables rapid, efficient waste introduction while minimising heat loss. This automated approach reduces labor costs, enhances operational safety, and enhances efficiency.



Automatic Ash Removal

The automatic ash removal system eliminates downtime by removing ash continuously without cool-down periods. Hot ash is transported via automated shuttles to a conveyor system, cooled with water spray, and deposited into the collection bin.

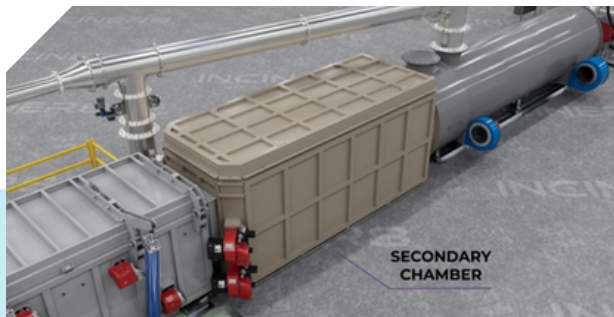
ADVANCED ENVIRONMENTAL COMPLIANCE

The i8-1000 incinerator sets the gold standard for environmental protection with its cutting-edge pollution control technology that delivers an exceptional 99.9% clean air exhaust.

At the heart of this system are 440 precision-engineered ceramic filter elements that provide industry-leading filtration, while the sophisticated multi-reagent dosing system automatically adjusts to ensure consistent emissions compliance across all operating conditions.

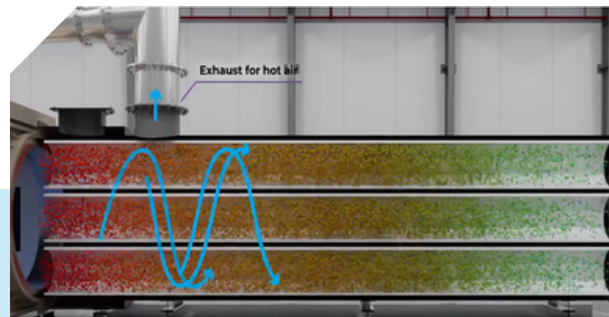
The robust secondary chamber operates at intense temperatures of 1100°C (2000°F) with over two seconds of gas retention time, effectively neutralising even the most challenging volatile waste streams and combustion gases.

This comprehensive approach to emission control ensures full compliance with stringent EU and international environmental standards, making the i8-1000 the responsible choice for organisations committed to protecting air quality while managing their waste efficiently and safely.



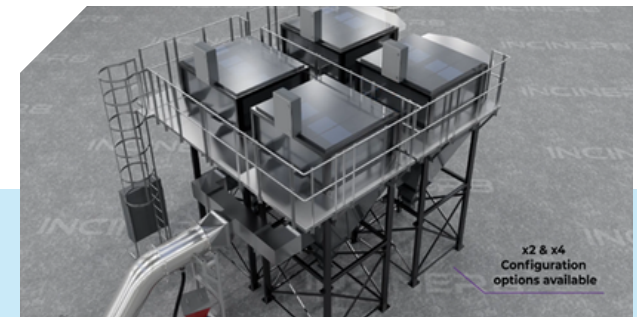
Secondary Chamber

The secondary chamber serves as the initial component of the pollution control system (PCS) and features dual high-temperature burners. This chamber incinerates combustion gases at temperatures reaching 1100°C (2000°F), maintaining gas retention for over two seconds to ensure compliance with EU and international emission standards.



Heat Exchanger

Our system incorporates robust, high-performance heat exchangers designed to maximise energy recovery from the incineration process. Built for durability and efficiency, they enable the reuse of waste heat to preheat combustion air or support other on-site thermal processes. This not only enhances fuel efficiency but also contributes to overall emissions reduction.



Pollution Control System (PCS)

The modular PCS features high-density filtration technology. Each filter pod houses up to 440 filter elements, with multiple configurations available depending on capacity and emissions requirements. This system is engineered to provide exceptional removal of fine particulates and ensure compliance with stringent air quality standards.

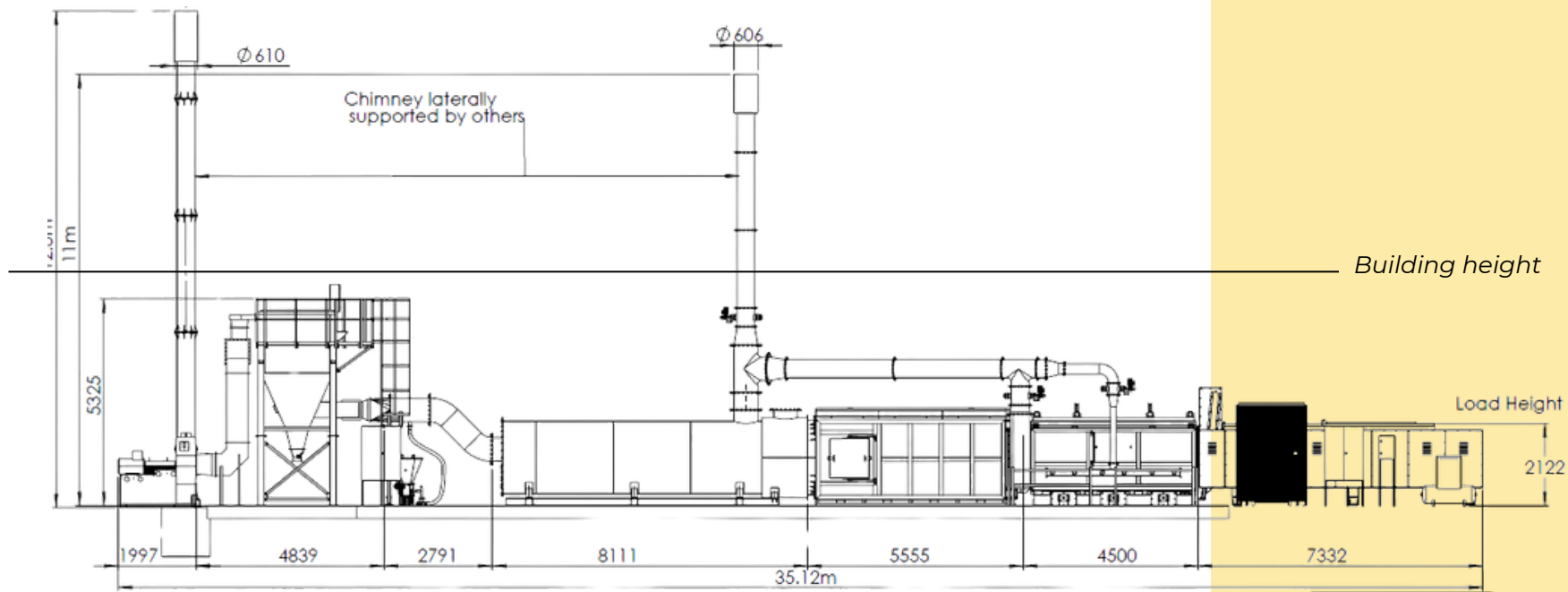
TECHNICAL SPECIFICATION

Dimensions of the full i8-1000 line

Technical specifications are available in detail for every part of the i8-1000 Line. Here is a brief overview of the dimensions:

Burn rates per waste type

	kg/hour
Medical	up to 600kg/hr*
General	up to 750kg/hr*
Agricultural	up to 1000kg/hour*



*all burn rates are guidelines only

i8-1000 Line - Advanced incineration system

A VERSATILE SOLUTION FOR DIVERSE CHALLENGES

When traditional waste management isn't an option

The i8-1000's high capacity and robust feature set make it ideal for customers operating in challenging, remote, or infrastructure-limited locations, as well as those who generate large volumes of waste and must adhere to strict environmental standards.



Healthcare and Medical Waste Facilities

Regional hospitals can struggle with high-volume infectious waste requiring immediate destruction and strict compliance. Processing delays create dangerous hazardous material accumulation.

The i8-1000's pathogen destruction transforms facilities from backlog management to safe, efficient operations.



Humanitarian and Emergency Response Organisations

Refugee camps housing tens of thousands generate large amounts of waste that can increase risk of disease.

The i8-1000 provides immediate high-capacity destruction that prevents health crises by eliminating pathogen transmission risks in vulnerable populations.



Remote Industrial Operations

Mining sites and oil installations face rapidly accumulating waste with prohibitive transportation costs and no disposal options.

The i8-1000 eliminates these constraints through on-site processing, converting waste disposal from a logistical nightmare into manageable daily operations.



Remote Island Communities

Islands and remote coastal locations can struggle with waste accumulation due to a lack of waste management infrastructure and high shipping costs for waste removal.

The i8-1000 provides essential waste processing capability that eliminates dependence on costly waste transportation while protecting fragile island ecosystems.

WORLD-WIDE REACH, LOCAL EXPERTISE

With proven delivery success across 180+ countries, we bring decades of international shipping expertise to every i8-1000 installation.

From major metropolitan centers to the most remote locations on earth, our logistics team ensures your incineration system arrives safely, on time, and ready for operation.

Seamless Export Solutions

Any Port, Anywhere

Our comprehensive export capabilities reach every major seaport worldwide. Whether you're located in bustling commercial harbors or isolated coastal facilities, we navigate complex international shipping requirements with precision and reliability.

Documentation & Compliance

Our experienced logistics specialists handle all export documentation, customs clearance, and regulatory compliance, ensuring smooth transit through international borders and reducing delays that can impact your project timeline.

End-to-End Project Support

Pre-Delivery Planning

Site surveys and logistics assessments ensure optimal delivery routing and identify any special handling requirements before shipment begins.

Installation Coordination

Our logistics extend beyond delivery – we coordinate with your installation teams to ensure seamless handoff and rapid system commissioning.

Global Service Network

Post-installation support is backed by our international service network, ensuring parts and technical expertise remain accessible regardless of location.

AFTERSALES SUPPORT

Your investment in our incineration technology deserves world-class support throughout its entire lifecycle.

Our comprehensive aftersales service ensures maximum operational efficiency, reliable technical support and a range of spare parts, keeping your equipment running.

Our incinerators are built for rigour and continued use. Like all machinery products, they require regular servicing and maintenance to reduce downtime and minimise risk of failure.



Here's why considering our Aftersales Service is important:

Dedicated support when you need it

Our trained technicians can provide rapid response, ensuring minimal downtime and swift resolution of any operational issues. With our remote diagnostic capabilities, many problems can be identified and resolved without waiting for on-site visits.

Operator Training and Certification

Maximise safety and efficiency with comprehensive operator training programs delivered on-site or at our training facilities. Periodic refresher courses ensure your team maintains operational excellence as personnel changes occur.

Preventative maintenance packages

Extend equipment life and avoid costly emergency repairs with customised maintenance schedules tailored to your specific usage patterns and environmental conditions. Our preventive approach helps you maximise uptime while minimising long-term costs.

Original Parts Guarantee

All replacement components are manufactured to the same exacting standards as your original equipment, ensuring optimal performance and safety. Our global logistics network ensures rapid delivery of critical parts when you need them most.

ABOUT INCINER8

At Inciner8, we engineer and deliver high-performance incineration systems that solve complex waste challenges around the world.

Trusted by NGOs, governments, medical providers, and industrial operators in over 180 countries, our scalable solutions are built for action – from disaster response and disease control to sustainable island living and industrial operations in remote environments.

What makes us different?

- **Built for Anywhere:**
Our units operate in the world's most demanding environments – from remote island nations to conflict zones and everywhere in between.
- **Proven Performance:**
Inciner8 incinerators are known for their efficiency and throughput: waste is processed faster and more completely.
- **Clean Air Technology:**
Every product is designed with compliance, sustainability, and emissions control in mind.
- **Tailored Solutions:**
Our systems are highly configurable to meet sector-specific needs – medical, animal by-products, municipal waste, and more.
- **Customer Support:**
Our service doesn't stop at delivery. We're known for our technical expertise and responsive aftercare.

i8-1000 Line - Advanced incineration system

PROVEN PERFORMANCE: OUR SATISFIED CUSTOMERS

“The project has now been up and running for over 12 months and has been a great success for the local community. The local residents have seen a huge decrease in general waste and more especially local clinics and hospitals have been able to dispose of their waste in a quick and effective manner.

**PROJECT MANAGER, HEALTH CLINIC
PACIFIC OCEAN REGION**

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“We are very pleased with the quality and workmanship that your company puts into these incinerators. Our incinerators have worked flawlessly.

CONSTRUCTION MANAGER

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PARTNER WITH INCINER8 FOR SUSTAINABLE WASTE MANAGEMENT SOLUTIONS

Clean, reliable, and compliant waste management solutions

Contact us today to discuss your waste management needs.

Email: sales@inciner8.com

Visit: www.inciner8.com

