British Manufacturing Proudly Serving Agricultural Industries Worldwide





Robust and Reliable Incineration Systems





Trust The Incineration Experts



Who Is Waste Spectrum Incineration Systems

Waste Spectrum Incineration Systems is one of the longest-serving incinerator manufacturers in the industry, covering agricultural, medical and municipal waste and have pioneered the development of industry-wide legislation.

We are proud to have developed a distinctive monolithic casting system that continues to lead the incineration industry. Behind our machines is nearly 30-years' worth of UK manufacturing, expertise and market-leading technology. Having worked with regulatory & legislative bodies across the globe, we have ensured our machines conform to operating standards expected by authorities no matter where they are operating.

Our world-class incinerators are designed, engineered and manufactured 100% in house in the UK, using quality British suppliers and components, which allows us to have full control over our quality.

Worldwide, people invest in Waste Spectrum incinerators as a practical solution in reducing the impact of pollution and disease while lowering costs and increasing profits. By nature, we are solution providers. Give us your problem and we will work with you to provide the right solution.

Over the past few decades our team has continued to forge an exceptional reputation internationally as a provider of quality, reliable and robust incineration equipment, which has enabled us to develop incredible relationships with our clients and distributors alike.

Waste Spectrum is proud to be a British manufacturer, serving agricultural industries worldwide.





Our Terminology Explained

At Waste Spectrum we are always working hard to make sure that our customers get a solution that is perfect for them. By explaining some of the key terminology used in our machine information, we hope you will be better equipped to understand which machine best suits your needs. We want you to achieve maximum efficiency from your incinerator and will always be available to offer advice.

Burn Rate

Burn rate is the rate at which the incinerator is expected to burn through the waste type. This is measured in Kilograms or Pounds per Hour. Different waste types burn at different rates, our sales team can help you understand what you can expect from your machine based on your specific waste type.

Chamber Actual Volume

The chamber volume is the actual physical volume of the loading chamber when empty. This is to give an indication of the total inside space of the machine.

Chamber Load Volume

The Chamber Load Volume is the total amount of space that we recommend can be occupied by the waste when loaded. This Volume allows for space around the waste ensuring optimum air flow and maximum efficiency.

Chamber Load Capacity

The Chamber Load Capacity is the maximum amount of waste in Kilograms or Pounds that can be loaded into the incinerator when operated according to our recommendations. This is to give the user an indication of actual waste the machine can hold in one load to ensure you achieve maximum efficiency.





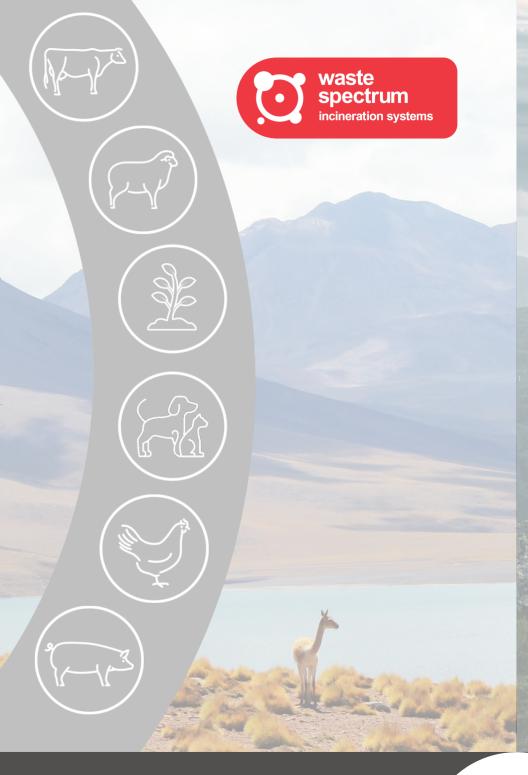
Throughout our rich history, we have worked on countless projects involving every waste type you can imagine. Our extensive experience has enabled us to become experts in our field.

Specialising in agricultural solutions, our machines are established as the market leading animal and animal byproduct incinerators. Utilised for whole carcasses, entrails, abattoir waste, hunt & kennel waste, pet cremation, faeces & bedding, and aquaculture; we have a machine to suit you.

Over the years, we have worked increasingly on projects for medical, general & municipal, household, invasive vegetation and contraband waste all over the world.

We are proud to have worked with governments across the globe to provide efficient solutions to help dispose of waste in times of natural disaster and disease outbreaks.

No matter what your waste stream, you can have confidence that we have the technology and the know-how to provide you with the best solution.





The Volkan Range

Introducing the Volkan range.

Our most popular range within the agricultural community. Launched in 1994 as the ideal solution for the farming community. Our Volkan range offers a cost effective and efficient incineration solution for applications where burning 50kgs per hour or less is required. With load capacities ranging from 55kg to over 1100kg, our diverse range is the most extensive available on the market.

Designed, engineered and manufactured at our production facility in the Heart of England, the Volkan range utilises nearly 30 years of industry experience. That said, we are always working to improve our machines so that we continue to provide industry leading solutions.





The Volkan 75 is a highly versatile incinerator ideal for small animal carcasses.

Burn Rate of 50kg per hour.

Operational Dimensions (LxWxH) of 1.1 x 1.0 x 3.6 m

Chamber Size (LxWxH) of Dia 0.5 x 0.8 m

Chamber Load Capacity of 55kg

Fuel Consumption LPG - 2 - 4 LPH

Fuel Consumption Nat Gas - 2 - 2 m³/hr



The Volkan 150

The Volkan 150 is a reliable and versatile incinerator ideal for the disposal of small livestock, small animal carcasses, kennel and abattoir waste.

Burn Rate of 50kg per hour.

Operational Dimensions (LxWxH) of 1.4 x 1.4 x 2.8 m

Chamber Size (LxWxH) of 0.7 x 0.6 x 0.6

Chamber Capacity of 100kg

Fuel Consumption Diesel - 4 - 6 LPH

Fuel Consumption LPG - 5 - 8 LPH

Fuel Consumption Nat Gas - 4 - 6 m³/hr



Optional ash door available

Available as a static or mobile machine



The Volkan 200 is a small to medium capacity incinerator ideal for a range of commercial operations. Suitable for managing the disposal of poultry, small livestock, and abattoir waste.

Burn Rate of 50kg per hour. Operational Dimensions (LxWxH) of 2.2 x 1.6 x 3.5 m Chamber Size (LxWxH) of 1.1 x 0.8 x 0.7 m Chamber Load Capacity of 180kg Fuel Consumption Diesel - 6 - 8 LPH Fuel Consumption LPG - 7 - 12 LPH Fuel Consumption Nat Gas - 6 - 8 m³/hr



The Volkan 400

The Volkan 400 is a medium capacity incinerator ideal for a range of commercial operations. Suitable for managing the disposal of poultry, small livestock, pigs and abattoir waste.

Burn Rate of 50kg per hour. Operational Dimensions (LxWxH) of 2.8 x 1.6 x 3.5 m Chamber Size (LxWxH) of 1.4 x 0.8 x 0.7 m Chamber Load Capacity of 240kg Fuel Consumption Diesel - 6 - 9 LPH Fuel Consumption LPG - 8 - 13 LPH Fuel Consumption Nat Gas - 6 - 9 m³/hr







The Volkan 401 is a medium capacity incinerator ideal for a range of commercial operations. With a top-loading door for ease of use, this incinerator is suitable for the disposal of small livestock such as sheep, pigs and abattoir waste.

Burn Rate of 50kg per hour. Operational Dimensions (LxWxH) of $2.8 \times 1.9 \times 3.5 \text{ m}$ Chamber Size (LxWxH) of $1.4 \times 0.8 \times 0.7 \text{ m}$ Chamber Load Capacity of 240 kg Fuel Consumption Diesel - 6 - 9 LPH Fuel Consumption LPG - 8 - 13 LPH Fuel Consumption Nat Gas - 6 - $9 \text{ m}^3/h$



The Volkan 600

The Volkan 600 is a large capacity incinerator, suitable for applications across the agricultural sector. The top-loading design and large main chamber make it an ideal solution for a range of agricultural sectors from poultry and sheep operations, through to pigs and finishing pigs. For information on our trailer mounted options please see page 20.

Burn Rate of 50kg per hour. Operational Dimensions (LxWxH) of 3.3 x 1.9 x 3.5 m Chamber Size (LxWxH) of 1.8 x 0.8 x 0.7 m Chamber Capacity of 300 kg Fuel Consumption Diesel - 6 - 9 LPH Fuel Consumption LPG - 8 - 13 LPH Fuel Consumption Nat Gas - 6 - 9 m³/hr Available as a static or mobile machine



Purpose built, with a large front-loading door, the Volkan 300 has been designed to optimize usability for individual animal carcass incineration.

Burn Rate of 50kg per hour.

Operational Dimensions (LxWxH) of 1.9 x 1.6 x 5.6 m

Chamber Size (LxWxH) of 1.2 x 0.9 x 0.7 m

Chamber Load Capacity of 180 kg

Fuel Consumption Diesel - 6 - 9 LPH

Fuel Consumption LPG - 8 - 13 LPH

Fuel Consumption Nat Gas - 6 - 9 m³/hr



Ask about our cremulator and sight glass

The Volkan 500

The Volkan 500 is a front-loading medium capacity incinerator, designed to maximize usability for animal-by-product incineration, from a wide range of commercial operations.

Burn Rate of 50kg per hour.

Operational Dimensions (LxWxH) of 2.6 x 1.6 x 5.1 m
Chamber Size (LxWxH) of 1.8 x 0.9 x 0.7 m
Chamber Load Capacity of 260 kg
Fuel Consumption Diesel - 6 - 9 LPH
Fuel Consumption LPG - 8 - 13 LPH
Fuel Consumption Nat Gas - 6 - 9 m³/hr



Ask about our cremulator and sight glass





The Containerised Solution

The Containerised solution is a purpose-built system, ideally suited for pet cremation providing a contained and compact facility. The container itself is 20' x 8' x 15' ft and typically is fitted with strip lighting, all necessary electrical works for the ventilation, socket points and control panel, an Ash Catcher, Cremulator used for processing bones to ash and your chosen machine.





With unbeatable design, and unrivalled power, the Volkan 450 is unquestionably the ideal machine for the poultry sector. Expertly manufactured with our exclusive configurable hearth bar system, the Volkan 450 can be configured to meet the needs of your operation.

Built using only the highest quality materials, the Volkan 450 was developed based on direct feedback from poultry industry professionals. This combined with Waste Spectrum's industry knowledge and expert engineering of almost 30 years, makes the Volkan 450 a robust and incomparable solution to poultry businesses worldwide.

The diverse nature of the Volkan 450 makes it perfect for adapting to the variable throughput of medium and large poultry operations. Due to its unequalled efficiency achieved through excellent thermal retention, maximum air flow, and supreme quality burners – the economic benefits of the Volkan 450 cannot be ignored.

Speak to a member of our team today to find out more.

Burn Rate of 50kg per hour.

Operational Dimensions (LxWxH) of 3.4 x 3.0 x 3.3 m

Chamber Size (LxWxH) of 2.1 x 1.1 x 0.5 m

Chamber Load Capacity of 510 kg

Fuel Consumption Diesel - 8 - 12 LPH

Fuel Consumption LPG - 11 - 18 LPH

Fuel Consumption Nat Gas - 8 - 12 m³/hr







The Volkan 750 is a top loading large capacity incinerator ideal for a wide range of commercial operations. Suitable for managing the disposal of large pigs up-to sow size, poultry, other small livestock as well as abattoirs and meat processing plant waste.

Burn Rate of 50kg per hour. Operational Dimensions (LxWxH) of $3.2 \times 2.3 \times 3.1 \, \text{m}$ Chamber Size (LxWxH) of $2.2 \times 0.9 \times 0.8 \, \text{m}$ Chamber Load Capacity of 470 kg Fuel Consumption Diesel - 7 - 10 LPH Fuel Consumption LPG - 10 - 15 LPH Fuel Consumption Nat Gas - 7 - $10 \, \text{m}^3/\text{hr}$



Optional ash door available

The Volkan 1000

The Volkan 1000 is a reliable and versatile, large capacity incinerator suitable for the management of larger pig carcasses, such as pigs, hogs and sows, abattoir and slaughterhouse waste.

Burn Rate of 50kg per hour. Operational Dimensions (LxWxH) of $3.2 \times 3.0 \times 3.3$ m Chamber Size (LxWxH) of $2.2 \times 0.9 \times 1.1$ m Chamber Load Capacity of 520 kg Fuel Consumption Diesel - 7 - 10 LPH Fuel Consumption LPG - 10 - 15 LPH Fuel Consumption Nat Gas - 7 - 10m³/hr





An extra-large capacity incinerator, with a low loading bed and arched lid, ensures the Volkan 1600 is the ideal solution for managing the disposal of large animal carcasses, such as large pigs, hogs and sows, cattle and horses.

Burn Rate of 50kg per hour.

Operational Dimensions (LxWxH) of 8.5 x 2.5 x 3.2 m

Chamber Size (LxWxH) of $3.0 \times 1.7 \times 1.3 \text{ m}$

Chamber Load Capacity of 1210 kg

Fuel Consumption Diesel - 7 - 10 LPH

Fuel Consumption LPG - 10 - 16 LPH



The Volkan 1750

With a unique split-roller lid and inward sloping floor, the Volkan 1750 is an extralarge capacity, top-loading incinerator. The Volkan 1750 has been designed to effortlessly manage the disposal of large animal carcasses, ranging from large pigs, cattle and horses, to the waste produced by slaughterhouses and abattoirs.

Burn Rate of 50kg per hour.

Operational Dimensions (LxWxH) of 4.6 x 3.7 x 3.4 m

Chamber Size (LxWxH) of 1.8 x 2.2 x 1.1 m

Chamber Load Capacity of 1000 kg

Fuel Consumption Diesel - 15 - 21 LPH

Fuel Consumption LPG - 22 - 32 LPH

Fuel Consumption Nat Gas - 15 - 21 m³/hr



Optional inspection hatch available

High burn rate model available



The Volkan 2000 is arguably the largest front load incinerator available on the market. One of the most diverse incinerators in the range, the Volkan 2000 has been utilised by: pig farmers with the largest of pigs, pet cremation for animals such as large horses, cows and all other fallen livestock. The Volkan 2000 provides an optimal incineration solution for agricultural businesses looking to dispose of large quantities of animal waste.

Burn Rate of 50kg per hour. Operational Dimensions (LxWxH) of $4.4 \times 3.5 \times 4.7$ m Chamber Size (LxWXH) of $2.8 \times 1.3 \times 1.0$ m Chamber Load Capacity of 1100kg Fuel Consumption Diesel - 15 - 22 LPH Fuel Consumption LPG - 22 - 32 LPH Fuel Consumption Nat Gas - 15 - 22 m³/hr



High burn rate model available







The Hurikan 150

The Hurikan 150 is the smallest of the Hurikan range. The top-loading design provides easy access to the main chamber, ensuring ease of use when disposing of small animal carcasses, animal-by-product waste and medical waste.

Burn Rate of 150kg per hour. Static Operational Dimensions (LxWxH) of 2.4 x 2.1 x 3.3 m Chamber Size (LxWxH) of 1.1 x 0.6×0.7 m Chamber Load Capacity of 110 kg Fuel Consumption Diesel - 10 - 14 LPH Fuel Consumption LPG - 13 - 20 LPH Fuel Consumption Nat Gas - 10 - 14 m 3 /hr



Available as a static or mobile machine

Image shown is of the Hurikan 150 Mobile option

The Hurikan 300

The Hurikan 300 is a highly versatile, top-loading incinerator, capable of managing regular and intensive throughputs of a range of animal carcasses, such as poultry, sheep and slaughterhouse waste.

Burn Rate of 300kg per hour.

Operational Dimensions (LxWxH) of 4.6 x 2.8 x 4.8 m Chamber Size (LxWxH) of 1.3 x 1.9 x (1.5 - 2.2)

Chamber Load Capacity of 1180 kg

Fuel Consumption Diesel - 17 - 23 LPH

Fuel Consumption LPG - 24 - 35 LPH

Fuel Consumption Nat Gas - 17 - 23 m³/hr





The Hurikan 500

The Hurikan 500 is an ideal solution for those in the agricultural sector due to its ability to easily dispose of a range of animal carcasses, from poultry and sheep, through to cattle, large pigs, hogs, sows and slaughterhouse waste.

Burn Rate of 500 kg per hour.

Operational Dimensions (LxWxH) of $6.1 \times 2.8 \times 5.6 \text{ m}$

Chamber Size of (LxWxH) of $2.0 \times 1.9 \times (1.5 - 2.2) \text{ m}$

Chamber Load Capacity of 1720kg

Fuel Consumption Diesel - 22 - 31 LPH

Fuel Consumption LPG - 32 - 46 LPH

Fuel Consumption Nat Gas - 22 - 31 m³/hr



The Hurikan 700

The Hurikan 700 is one of our largest, top-loading, incinerators making it an excellent choice for those requiring regular incineration for large quantities of animal waste, easily disposing of large animal carcasses and slaughterhouse waste.

Burn Rate of 700kg per hour.

Operational Dimensions (LxWxH) of 8.8 x 2.8 x 5.8 m

Chamber Size of (LxWxH) of $2.6 \times 1.9 \times (1.5 - 2.2) \text{ m}$

Chamber Load Capacity of 2440kg

Fuel Consumption Diesel - 40 - 57 LPH

Fuel Consumption LPG - 59 - 85 LPH

Fuel Consumption Nat Gas - 40 - 57 m³/hr



Available as a static or mobile machine





The Hurikan 1000

The Hurikan 1000 is the largest of our incinerators. Its impressive size, incredible performance and unrelenting strength is unrivalled. At 36ft long and almost 20ft high, the Hurikan 1000 weighs over 20.5 tonnes and can rip through waste at a rate of up to 1000kgs per hour! Developed to combat high quantities of waste in emergency situations such as disease outbreaks and natural disasters, the Hurikan 1000 is available as a static or mobile machine. The Hurikan 1000 offers the ideal, cost-effective solution to governments and businesses with a large quantity of waste or the desire to be prepared for emergency situations or disaster recovery.

Burn Rate of 1000kg per hour.

Static Operational Dimensions (LxWxH) of 11.1 x $2.8 \times 5.8 \text{ m}$

Chamber Size (LxWxH) of $3.9 \times 1.9 \times (1.5 - 2.2) \text{ m}$

Chamber Load Capacity of 3580kg

Fuel Consumption Diesel - 47 - 66 LPH

Fuel Consumption LPG - 69 - 99 LPH

Fuel Consumption Nat Gas - 47 - 66 m³/hr



^{*}Image shown does not show chimney stack.

Available as a static or mobile machine



Mobile Solutions

Trailer Mounted

For machines where we offer a trailer mounted solution, we have a range of trailers to suit the incinerator. All our trailers are safety checked and suitable for carrying the specified weight of the machine. Our trailer mounted mobile solutions come fully equipped with a generator and fuel tank where applicable. Please speak to a member of our team for details on our trailer mounted solutions.

Trailer Mounted Incinerators

Volkan 150 Hurikan 150

Volkan 400 Hurikan 300

Volkan 600 Hurikan 500

Hurikan 700

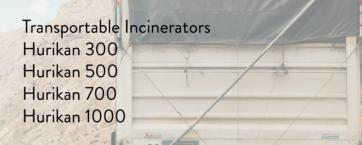
Hurikan 1000

Skid Mounted

Our skid mounted option offers an easily manoeuvrable solution for customers who require a transportable incinerator. If a skid mounted solution is right for you, we encourage you to get in touch to discuss this option.

Transportable Option

Our transportable option is supplied static and its design features, including a collapsible chimney, ensure that it can be easily mounted on a *trailer for transportation to other locations. Please speak to a member of our team for details on our transportable mounted solutions.





www.granotrade.cl

* Trailer not supplied





Determined To Be The Best

To help you compare our extensive range and choose which is the best option for your needs, the technical specifications found on our website and in our literature provide the vital information you need. As a worldwide solution provider, we pride ourselves on supporting our customers both before and after buying an incinerator from us.

Always striving for excellence, we work tirelessly to improve our range and ensure the solution we provide for you is the best it can be.

It is for this reason that all the data in our technical specifications are subject to minor change or slight variation. We will make sure you have the most up-to-date information when you contact us, but please be aware that due to our policy for continuous improvement, we are constantly making small alterations to enable us to provide you with the best possible product.



Custom Built Solutions

One of the best ways we can ensure customer satisfaction is by providing a service for custom-built incinerators. Our experienced design team and expert engineers will work closely with you to ensure we meet your specific requirements. Whether you have a target burn rate, ideal capacity, or alternative mobility method; we can accommodate your needs.

Keeping a close eye on the quality of our materials is just the start of our quality control process. Each machine undergoes a rigorous quality check after production. From each nut and bolt, through to the operation of the control panel; we complete an 85-point check across 7 different areas of the machine. You will receive a certificate of conformity to state that the machine has passed ALL quality control standards.

Throughout the process, the sales team will consult with you to develop a specification that suits your needs, meets legislation and will operate efficiently. Some of the benefits of choosing a custom-built incinerator from our extensive range are as follows:

- The incinerator can meet your specific requirements
- We can work to help improve burn rates to meet your needs
- To obtain your desired capacity and to meet your standards
- · Useful alterations to the load space and door opening can help to streamline your processes
- Helpful additions like a winch or load trolley can increase productivity





Worldwide Distribution Network

Since our humble beginnings nearly 30 years ago, we vowed to provide exceptional service and unparalleled manufacturing excellence to as much of the world as we could. Since then, we have developed strong relationships around the globe and as a result, we now have an unrivalled distribution network that continues to expand.

The development of strong relationships and reliable distributors who share our ethos has proven invaluable. We are proud to boast that we have machines in over 75 countries covering all 7 continents, from the Sahara to Antarctica. We provide all our distributors with the same level of training that our own staff receive. This allows us to make sure that our distributors are equipped with the tools and knowledge they need to advise on and maintain our incinerators.

It does not end there. We keep distributors in constant review to make sure that they are providing not only the standards we require but also to ensure we are meeting their requirements too, in terms of support and training. The rigorous process we go through means that you can be confident that no-matter where you are in the world, you will get the exceptional Waste Spectrum service that you deserve.

If you have a requirement for an incinerator, please get in touch with our dedicated international team who can help to put you in touch with our partners in your area.

If you're interested in becoming a Waste Spectrum distributor, we are always looking to grow our team, so please get in touch.



Testimonial

"In 1994 we established Stillwater Packing Co. in Montana, USA with the aim of processing meat for the food industry in an ethical and sustainable way. 26 years on and we have maintained our ethos while our operation has grown. Providing our customers with high-quality produce is what keeps them coming back and ensures our great reputation across America. For many years we have been disposing of our waste using a collection service. In line with our growth, this collection service has increased their prices. Prices that have now become so high we have been forced to search for an alternative, more cost-effective solution. Another element of our business that we have always worked hard to sustain is excellent hygiene and impeccable biosecurity. Protecting our site, product and therefore customers from disease and contamination is of utmost importance. The risk involved in allowing a waste collection truck onto our site is a major concern to us.

We needed a solution for our waste that cut costs and maintained high levels of biosecurity. After doing some research and coming across Waste Spectrum online, we discovered that incineration was the solution for us. Waste Spectrum have a wide range of incinerators and after speaking with their helpful team, we quickly established that the Hurikan 500 was the solution we needed. Not only did the machine provide excellent value for money, but we could also see that we would get fast pay back in comparison to the collection costs we already had. Also, the incinerator would allow us to take back control of our biosecurity by processing all our waste on-site, and without the need for a collection service.

Waste Spectrum dealt with our enquiry immediately and helped us with all the additional information we needed to make our decision and gain permissions from the authorities. The support we received from the Waste Spectrum team was above and beyond what we had expected. Now the machine is on-site, we love it. The machine achieves burn rates higher than we imagined and the incinerator has awesome performance.

We would totally recommend Waste Spectrum and their incinerators to anyone."

Amber Emmett -Stillwater Packing Co.





Testimonials

"Waste Spectrum took the time to understand how I work and see the vision I had for my business. They were completely transparent and provided me with all the information I needed to ensure I made a decision that was right for us and our facilities...

I was offered extensive advice and continued support throughout the process – Waste Spectrum even supported me with my planning applications. I was always kept in the loop and my sales rep was hands on – visiting me or calling me with updates when I needed them, or even when they were just passing by...

Waste Spectrum continue to be a pleasure to work with and I now consider them to be friends more than business colleagues. Their machines are manufactured with such great quality that I know the machine will last. And now my business is expanding, I will be buying another incinerator from Waste Spectrum because I know I'll be able to rely on them into the future."

Chris Beckett -Old Flatts Farm

How the Volkan 450 worked for us...

"Our operation has around 500,000 broilers and as with any large broiler farm, we need a method to dispose of fallen livestock. In order to dispose of our waste efficiently and ensure our farm maintains the highest levels of biosecurity possible, we decided to invest in an incinerator...

Following the support that we received from Waste Spectrum, Ross talked us through our options and provided us with a solution we trusted would meet our requirements. Throughout the whole process we had continuous support from Ross and the Waste Spectrum team, and the customer service was great...

Our machine of choice, the Volkan 450, was dispatched after just a few weeks of manufacturing and a Waste Spectrum Engineer commissioned it ready for use straight away. Our staff quickly got used to the machine and how easy it is to operate. The efficiency of the 450 was proven instantly, as it dealt with our waste at even the highest levels of throughput...

After two years of using our Volkan 450, we are more than happy with its performance and couldn't be happier with the service provided by Waste Spectrum."

Richard Ogden -Smite Farms Limited





Need to Make Notes?				





Quality and reliability cast in our concrete.

Email us at: info@wastespectrum.com sales@wastespectrum.com

Visit us at: www.wastespectrum.com



