ABOUT US

Waste Spectrum Incineration Systems Ltd. are 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.

Waste Spectrum were the first company to achieve UK DEFRA ‘Type-Approval’ having been instrumental in the development and interpretation of the legislation.

We are proud to have developed a distinctive monolithic casting system that continues to lead the incineration industry. The technology behind our machines is unique and we have developed and maintained the integrity of our build and design over the years. Behind our machines are over 25-years worth of UK manufacturing, expertise and market-leading technology. We constantly strive to make the best even better and this has won us numerous awards.

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.

Customers and partners worldwide have grown to recognise that Waste Spectrum are producers of quality, reliable & robust incineration equipment.

Worldwide, people invest in Waste Spectrum incinerators as a practical solution in reducing the impact of pollution and disease whilst 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.

“I have had the pleasure of working for Waste Spectrum for over 13 years now. In that time I have seen the company progress, and there has been nothing but improvement, it has been a privilege to see the team grow and our customers grow with us.

I can confidently say that they have been the most rewarding years of my life, and I look forward to leading the team for many years to come.

We pride ourselves on the level of impeccable service and the incredible dedication our team provide. It just can’t be beaten. As world leaders, our standards are high and we will continue to set the standard throughout the industry.”

Neil Rossiter
Managing Director

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**

This is measured in Kilogrammes 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 Actual Volume is the actual space inside of the main chamber that can possibly be occupied by the waste when it is filled to its maximum. 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 and allows for optimum air flow and maximum efficiency.

**Chamber Load Capacity**

The Chamber Load Capacity is the maximum amount of waste in Kilogrammes 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.

For more information contact:
+44(0)1905 362 100
sales@wastespectrum.com

Find us online:
Visit: www.wastespectrum.com
Search: ‘Waste Spectrum Incinerators’
Introducing the Volkan range. Our most popular range within the agricultural community. Launched in 1994 as the ideal ‘low capacity’ solution for the farming community. Our Volkan range offers a cost effective and efficient incineration solution for applications where burning 50kg per hour or less is required. With load capacities ranging from 50kg to over 1200kg, our diverse range is the most extensive available on the market.

Designed, engineered and manufactured at our production facility and head office in the Heart of England, the Volkan range utilises over 25 years of industry experience. That said, we are always working to improve our machines so that we continue to provide industry leading solutions.

Throughout our rich history, we have worked on countless projects involving any 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 by-product 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 & plant life, drugs 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.
VOLKAN 75

**Operational Dimensions**

(LxWxH)  
1.1 x 1.0 x 3.6 (m)  
3.5 x 3.4 x 11.7 (ft)

**Chamber Load Capacity**

55 kg/m³  
3 lb/ft³

**Standard Burn Rate**

Up to  
50 kg/hr  
110 lb/hr

---

VOLKAN 150

**Operational Dimensions**

(LxWxH)  
1.4 x 1.4 x 2.8 (m)  
4.7 x 4.4 x 9.0 (ft)

**Chamber Load Capacity**

100 kg/m³  
6 lb/ft³

**Standard Burn Rate**

Up to  
50 kg/hr  
110 lb/hr

---

VOLKAN 200

**Operational Dimensions**

(LxWxH)  
2.2 x 1.6 x 3.5 (m)  
7.1 x 5.1 x 11.5 (ft)

**Chamber Load Capacity**

180 kg/m³  
11 lb/ft³

**Standard Burn Rate**

Up to  
50 kg/hr  
110 lb/hr

---

VOLKAN 400

**Operational Dimensions**

(LxWxH)  
2.8 x 1.6 x 3.5 (m)  
9.3 x 5.1 x 11.5 (ft)

**Chamber Load Capacity**

240 kg/m³  
15 lb/ft³

**Standard Burn Rate**

Up to  
50 kg/hr  
110 lb/hr

Available as a static or mobile machine

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VOLKAN 300

**Operational Dimensions**
- (LxWxH): 1.9 x 1.6 x 5.6 (m)
- 6.2 x 5.3 x 18.3 (ft)

**Chamber Load Capacity**
- 180 kg/m³
- 11 lb/ft³

**Standard Burn Rate**
- Up to 50 kg/hr
- 111 lb/hr

VOLKAN 500

**Operational Dimensions**
- (LxWxH): 2.6 x 1.6 x 5.1 (m)
- 8.4 x 5.3 x 16.6 (ft)

**Chamber Load Capacity**
- 260 kg/m³
- 16 lb/ft³

**Standard Burn Rate**
- Up to 50 kg/hr
- 111 lb/hr

VOLKAN 450

The Volkan 450 has been designed for large poultry operations. It also provides a diverse and cost-effective solution for multiple uses.

**Operational Dimensions**
- (LxWxH): 3.4 x 3.0 x 3.3 (m)
- 11.0 x 10.0 x 11.0 (ft)

**Chamber Load Capacity**
- 510 kg/m³
- 32 lb/ft³

**Standard Burn Rate**
- Up to 50 kg/hr
- 111 lb/hr

A tri-zone temperature monitoring system ensures that the machine only uses the optimum amount of fuel throughout the burn.

The unique configurable hearth bar system provides durability for customers with waste of differing sizes.

The Volkan 450 offers a robust, diverse and cost-effective solution for poultry operations that is unrivalled.

*High burn rate model available*
### VOLKAN 750

**Operational Dimensions**  
(LxWxH)  
3.2 x 2.3 x 3.1 (m)  
10.5 x 7.4 x 10.2 (ft)

**Chamber Load Capacity**  
470 kg/m³  
29 lb/ft³

**Standard Burn Rate**  
Up to  
50 kg/hr  
111 lb/hr

### VOLKAN 1000

**Operational Dimensions**  
(LxWxH)  
3.2 x 3.0 x 3.3 (m)  
10.5 x 9.8 x 10.7 (ft)

**Chamber Load Capacity**  
520 kg/m³  
32 lb/ft³

**Standard Burn Rate**  
Up to  
50 kg/hr  
111 lb/hr

### VOLKAN 1600

**Operational Dimensions**  
(LxWxH)  
8.5 x 2.5 x 3.2 (m)  
27.7 x 8.1 x 10.5 (ft)

**Chamber Load Capacity**  
1210 kg/m³  
76 lb/ft³

**Standard Burn Rate**  
Up to  
50 kg/hr  
111 lb/hr

### VOLKAN 1750

**Operational Dimensions**  
(LxWxH)  
4.6 x 3.7 x 3.4 (m)  
15.1 x 12.2 x 11.3 (ft)

**Chamber Load Capacity**  
1000 kg/m³  
62 lb/ft³

**Standard Burn Rate**  
Up to  
50 kg/hr  
111 lb/hr

*High burn rate model available*
**VOLKAN 2000**

<table>
<thead>
<tr>
<th>Operational Dimensions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(LxWxH)</td>
<td></td>
</tr>
<tr>
<td>4.4 x 3.5 x 4.7 (m)</td>
<td></td>
</tr>
<tr>
<td>14.4 x 11.4 x 15.3 (ft)</td>
<td></td>
</tr>
<tr>
<td>Chamber Load Capacity</td>
<td></td>
</tr>
<tr>
<td>1100 kg/m³</td>
<td></td>
</tr>
<tr>
<td>69 lb/ft³</td>
<td></td>
</tr>
<tr>
<td>Standard Burn Rate</td>
<td></td>
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<tr>
<td>Up to</td>
<td></td>
</tr>
<tr>
<td>50 kg/hr</td>
<td></td>
</tr>
<tr>
<td>111 lb/hr</td>
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</tbody>
</table>

The Volkan 2000 is arguably the largest front load incinerator available on the market. The exceptional chamber size with its unbeatable efficiency can burn through over 1000kg of waste in a day.

One of the most diverse incinerators in the range, the Volkan 2000 has been utilised by: pig farmers with the largest of sows, pet cremation for animals as large as horses, general and medical waste, cows and all other fallen livestock.

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**The HURIKAN Range**

Introducing the Hurikan range. Developed following the widespread Foot and Mouth epidemic that devastated the British farming community in 2001, the Hurikan range is designed to combat disease outbreaks and emergency waste disposal such as natural disasters.

When it was launched, the Hurikan’s were unique machines that revolutionised the incineration market. Although they are often copied by our rivals, the Hurikan range stands the test of time as it continues to prove successful in it’s implementation by government bodies and private waste disposal companies who recognise this as the answer to their waste and biosecurity issues.

The Hurikan range currently operates in dozens of countries, on all 7 continents for disaster waste, high-throughput abattoirs, hospitals and the military to mention just a few.
### HURIKAN 150

**Operational Dimensions**

(LxWxH)
- 2.4 x 2.1 x 3.3 (m)
- 8.0 x 6.8 x 10.9 (ft)

**Chamber Load Capacity**
- 110 kg/m³
- 7 lb/ft³

**Standard Burn Rate**
- Up to 150 kg/hr
- 331 lb/hr

Available as a static or mobile machine

### HURIKAN 300

**Operational Dimensions**

(LxWxH)
- 4.6 x 2.8 x 4.8 (m)
- 15.1 x 9.2 x 15.8 (ft)

**Chamber Load Capacity**
- 1180 kg/m³
- 74 lb/ft³

**Standard Burn Rate**
- Up to 300 kg/hr
- 662 lb/hr

Available as a static or mobile machine

### HURIKAN 500

**Operational Dimensions**

(LxWxH)
- 6.1 x 2.8 x 5.6 (m)
- 19.9 x 9.2 x 18.4 (ft)

**Chamber Load Capacity**
- 1720 kg/m³
- 107 lb/ft³

**Standard Burn Rate**
- Up to 500 kg/hr
- 1103 lb/hr

Available as a static or mobile machine

### HURIKAN 700

**Operational Dimensions**

(LxWxH)
- 8.8 x 2.8 x 5.8 (m)
- 28.7 x 9.2 x 19.0 (ft)

**Chamber Load Capacity**
- 2440 kg/m³
- 152 lb/ft³

**Standard Burn Rate**
- Up to 700 kg/hr
- 1544 lb/hr

Available as a static or mobile machine
HURIKAN 1000

Operational Dimensions (LxWxH)
11.1 x 2.8 x 5.8 (m)
36.5 x 9.2 x 19.0 (ft)

Chamber Load Capacity
3580 kg/m³
223 lb/ft³

Standard Burn Rate
Up to
1000 kg/hr
2205 lb/hr

The Hurikan 1000 is the largest of all the standard incinerators manufactured by Waste Spectrum Incineration Systems. Its impressive size, incredible performance and unrelenting strength is unrivalled.

At 11 metres long and almost 6 metres high, the Hurikan 1000 weighs over 20 Tonnes and can rip through waste at a rate of up to 1000kg 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, charities and businesses with a large quantity of waste or the desire to be prepared for emergency situations or disaster recovery.

Mobile Solutions

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.

**Trailer Mounted**

- **Volkan Inincinators**
  - Volkan 150
  - Volkan 400

- **Hurikan Inincinators**
  - Hurikan 150
  - Hurikan 300
  - 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.

Compare the range

To help you compare our extensive range and choose which is the best option for your needs, our range summary provides 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 this range summary is subject to minor change or slight variation. We will make sure you have the most up-to-date information when you contact us.

- All figures and data are subject to change or variation without prior notice.
- Figures are representative of standard basic models - for specific data please speak to us.
- All weights include the weight of the stack and are estimated so may vary, dependant on model & concrete options.
- Concrete Pad sizes are only recommended - the customer will be responsible for arranging this and covering all costs.
- Fuel consumption is estimated and based on average usage.
- Gallons are based on US measurements.
- Chamber load capacity is based on 550kg/m³ or 1212.5 lb/m³.
<table>
<thead>
<tr>
<th>Model</th>
<th>Fuel Consumption (Nm³/h)</th>
<th>Burner Output (kW)</th>
<th>Chamber Load Capacity (Up to kg/hr)</th>
<th>Chamber Load Volume</th>
<th>Chamber Actual Volume</th>
<th>Burn Rate</th>
<th>3.0 x 1.7 x 1.3</th>
<th>4.2 x 3.6 x 5.4</th>
<th>5.5 x 5.5 x 5.5</th>
<th>Weight</th>
<th>Operational Dimensions (L x W x H)</th>
<th>Load Door Height/Depth</th>
<th>Dimensions (L x W x H)</th>
<th>Ex. Stack</th>
<th>Ex. Stack</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volkan 400</td>
<td>6.0 - 10.0</td>
<td>1.0 - 2.0</td>
<td>7.2 - 12.0</td>
<td>10 - 16</td>
<td>500</td>
<td>0.3</td>
<td>0.31</td>
<td>0.31</td>
<td>0.31</td>
<td>240</td>
<td>110 x 100 x 110</td>
<td>1.14</td>
<td>2.1</td>
<td>50</td>
<td>1.13</td>
</tr>
<tr>
<td>Volkan 500</td>
<td>11.0 - 20.0</td>
<td>1.5 - 3.1</td>
<td>13.0 - 22.0</td>
<td>20 - 32</td>
<td>1100</td>
<td>0.53</td>
<td>0.59</td>
<td>0.59</td>
<td>0.59</td>
<td>650</td>
<td>175 x 175 x 175</td>
<td>1.49</td>
<td>3.2</td>
<td>80</td>
<td>1.27</td>
</tr>
<tr>
<td>Volkan 750</td>
<td>20.0 - 35.0</td>
<td>2.3 - 4.8</td>
<td>17.5 - 26.2</td>
<td>26 - 40</td>
<td>2200</td>
<td>0.97</td>
<td>0.98</td>
<td>0.98</td>
<td>0.98</td>
<td>1650</td>
<td>340 x 360 x 360</td>
<td>2.2</td>
<td>4.7</td>
<td>130</td>
<td>2.14</td>
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<tr>
<td>Volkan 1500</td>
<td>45.0 - 75.0</td>
<td>4.7 - 8.0</td>
<td>34.0 - 52.0</td>
<td>40 - 58</td>
<td>3500</td>
<td>1.54</td>
<td>1.49</td>
<td>1.49</td>
<td>1.49</td>
<td>5500</td>
<td>610 x 610 x 610</td>
<td>3.6</td>
<td>8.0</td>
<td>250</td>
<td>3.14</td>
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<tr>
<td>Hurikan 1000</td>
<td>100.0 - 150.0</td>
<td>7.7 - 12.2</td>
<td>85.0 - 122.0</td>
<td>58 - 85</td>
<td>5500</td>
<td>2.26</td>
<td>2.07</td>
<td>2.07</td>
<td>2.07</td>
<td>9500</td>
<td>1050 x 1050 x 1050</td>
<td>5.5</td>
<td>12.2</td>
<td>350</td>
<td>5.08</td>
</tr>
</tbody>
</table>

For more information contact: +44(0)1905 362 100
sales@wastespectrum.com

Find us online: Visit: www.wastespectrum.com
Search: "Waste Spectrum Incinerators"

Compare the range

Volkan 1005 Hurikan 1000 Hurikan 1500 Hurikan 2000 Hurikan 3000 Hurikan 5000 Hurikan 7000 Hurikan 10000
50 150 300 500 700 1000 1500 2000
Front Top Top Top Top Top Top Top... 2.1 - 3.6 3.9 - 6.2 5.8 - 9.2 7.7 - 12.2 15.0 - 22.6 17.5 - 26.2
539 - 762 338 - 478 584 - 826 774 - 1094 1335 - 1965 1576 - 2341
Worldwide Distribution Network

Since our humble beginnings over 25 years ago, we vowed to provide our exceptional service and unparalleled manufacturing excellence to as much of the world as we could. Since then we have been developing 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 of our distributors 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 doesn’t 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.

Custom Built Solutions

Customer satisfaction underpins everything we do. One of the best ways in which we do this, 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 checking process. Each machine undergoes a rigorous quality check after manufacture. 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’ll receive a certificate of conformity to state that the machine has passed ALL quality checks.

Throughout the process, the sales team will liaise 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
- Let us know your desired capacity and we will work with you to meet your standards
- Useful alterations to the load space and door opening can help to streamline your processes
- Handy additions like a winch or load trolley can increase productivity

If you have a requirement for an incinerator anywhere in the world, 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 are interested in becoming a distributor, we are always looking to grow our team, so please get in touch.
Hear it for yourself... 

“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.”

Chris Beckett - Old Flatts Farm
Pet Cremation

“Due to the imposing threat of disease on our business, we were pleased to know that Waste Spectrum have a lead time to suit our requirement. The whole process from start to finish has been quicker than we could have imagined.

The Hurikan 500 high capacity static incinerator offered the perfect solution and we couldn’t have expected a more professional and supportive team of people to help us. The relationship we have built with Waste Spectrum is one of strength and trust, this is very important for us.

Our incinerator will sit on our 60-acre site, in the beautiful Bulgarian countryside. The Hurikan 500 has a burn rate and efficiency which we found was unparalleled in comparison to other incinerator manufacturers building similar machines.

Elements such as burn rate and efficiency are vital for us in order to ensure we maximise our profits and productivity; and affordable, reasonable running and maintenance costs contribute to our overall payback at the earliest stage possible.”

Agrotine
Bulgarian Pig Producer

“Throughout the whole process we had continuous support from the Waste Spectrum team and the customer service was great.

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 incinerator was proven as it dealt with our waste at even the highest levels of throughput.

After several months of using the incinerator we are more than happy with its performance and couldn’t be happier with the service provided by Waste Spectrum.”

Richard Ogden - Smite Farms
Poultry

Read these full testimonials and see more from our customers on our website.
We have commissioned thousands of incinerators on all 7 continents and in over 75 countries. With our headquarters in the Heart of England and our trusted Partners across the world, you can rely on us for sales or engineering support.

Get in touch and we can support you in your waste management project. Our expert team are always prepared to help.

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