

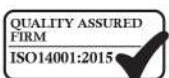
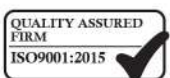
Agricultural

High Capacity



RAPID1000

The large scale, RAPID1000 incinerator is the latest innovative design from Addfield joining our High Capacity incineration range.



The Rapid1000 high capacity incinerator is an ideal solution to batch loading of solid waste. Having a 11,000 pounds loading capacity and reinforced loading chamber enables even large carcasses to be easily loaded. Designed for easy and fast deployment for static installation alongside mobile options. Providing essential support to maintaining biosecurity. Built to rapidly handle a wide range of solid waste able to achieve a burn rate of up to 11000 lbs/hr to 22000 lbs/ hr. A highly robust and thermally efficient solution benefiting from an advanced burn chamber to ensure a smooth and equal burn. Multiple sub chamber doors allow rapid de-ashing during and after the incineration process has been completed.

Machine Specification

External L x W x H (in)	323 x 91.5 x 89.5/255
Internal Upper Chamber L x W x H (in)	146 x 59.5 x 44 (peak)
Internal Lower Chamber L x W x H (in)	146 x 59.5 x 14.5
Load Chamber Volume (ft ³)	180.10
Weight (approx tonnes)	26.2
Max Load Capacity (lbs)	11000
Nominal Burn Rate (lbs/hr)	Up to 2200
Thermal Capacity (kW)	2250
Power Supply 50/60 hz	318/415v
Door Aperture (in)	144 x 57
Control Panel	PLC
Fuel Types	Diesel, LPG, N-Gas
Insulation Board	1" Super-wool
Insulation Fire Brick	Grade E23
Fire Brick (Alumina)	42.5%

*We reserve the right to change the specification, dimensions and quality of materials from time to time, so long as the alteration is minor or an improvement to the said product.

Primary Chamber

- Fully insulated internal refractory lining, constructed from high grade refractory brick ensuring a self-supporting, interlocked arrangement.
- Fully interlocked, manually operated, access door.
- Waste ignition burner, temperature controlled on-off, complete with internal air fans.
- Grated hearth combustion burner, temperature controlled on-off, complete with internal air fans.
- Secondary combustion burner air fans with automatically controlled distribution to their designated area.
- One temperature sensor mounting points.

Secondary Chamber

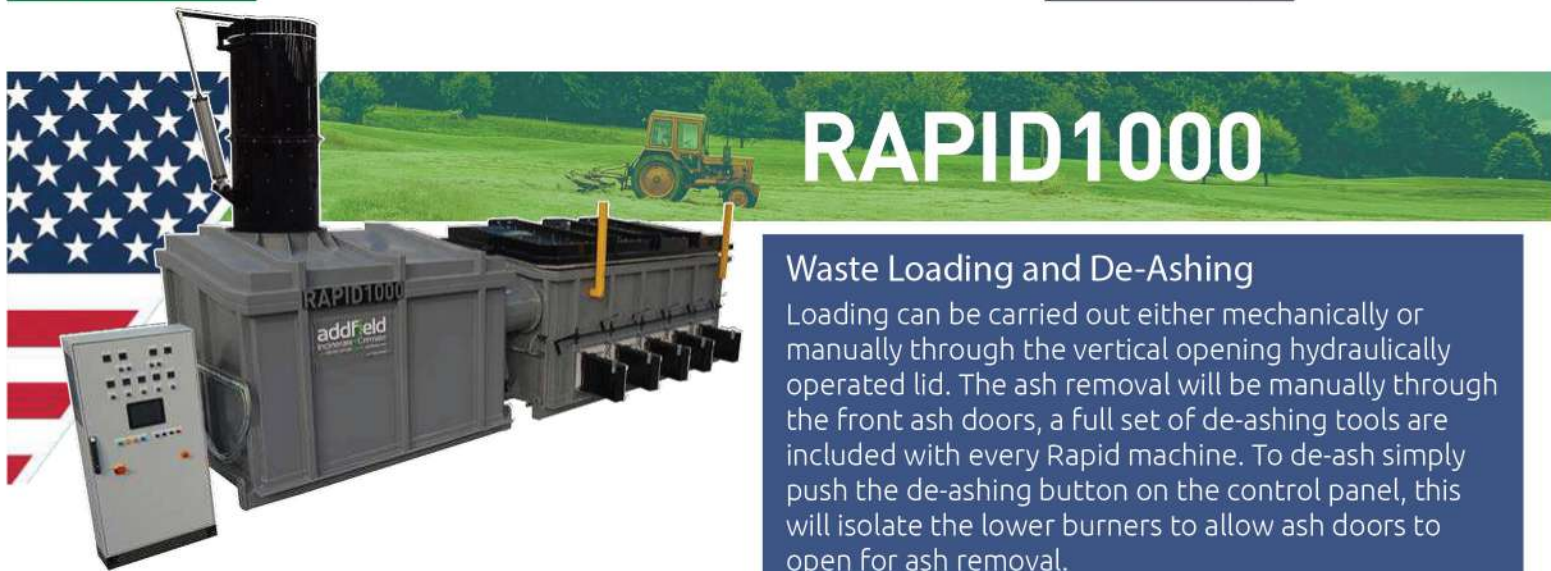
- Fully insulated internal refractory lining. Constructed from high grade low thermal mass insulation.
- Temperature controlled Secondary chamber burnout burner with automatic on-off control, complete with internal air fans.
- Integrated combustion burner air fans automatically controlling distribution to designated areas.
- Temperature sensor mounting point at the top of the chamber, ensuring the chamber reaches the required 1800°F minimum, with a 2 second retention time.

Waste Type

Agricultural Waste	✓
Medical Waste	✓
General (municipal) Waste	✓

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Waste Loading and De-Ashing

Loading can be carried out either mechanically or manually through the vertical opening hydraulically operated lid. The ash removal will be manually through the front ash doors, a full set of de-ashing tools are included with every Rapid machine. To de-ash simply push the de-ashing button on the control panel, this will isolate the lower burners to allow ash doors to open for ash removal.

The Addfield Difference

- Pre-fabricated 0.32" & 0.4" robust mild steel casing, seam welded and suitably stiffened/ braced where necessary.
- Lightweight resilient refractory fibre insulation door, providing a tight seal, giving excellent thermal efficiency.
- Primary lining thickness 7", rated at 2642°F.
- Low thermal mass roof lining, with removable roof and back plate for ease of maintenance.
- Paint finishing – The steel structures are completely painted using a two-pack high grade paint system.
- Unique Grated Hearth technology designed for the increased efficiency of material incineration.
- A 7.5 inch thick refractory lining, using andalusite and insulation bricks, improving thermal efficiency.



Additional Operation Equipment



Control Panel

Specially designed control panels, to manage your incineration. Pre-programmed and able to be manually adjusted for optimal results. Push button and touch screen control with optional data logging system.



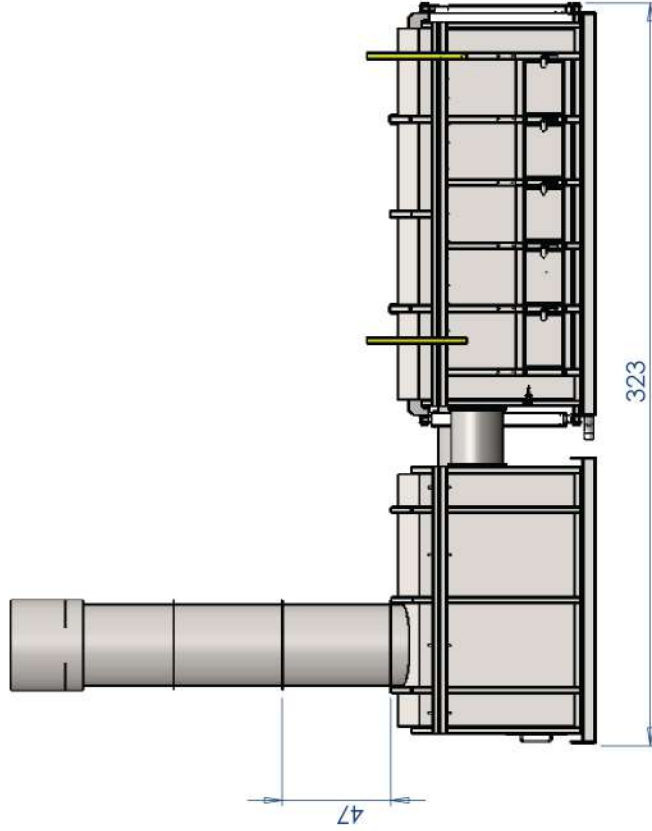
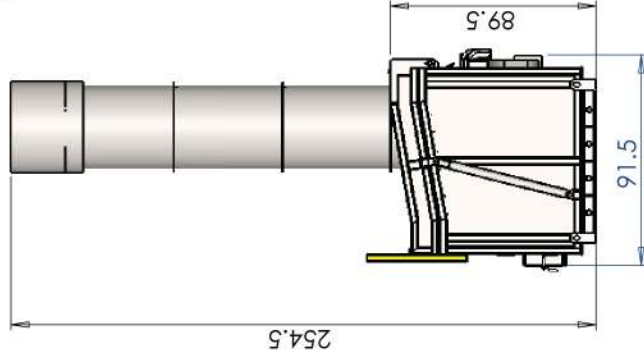
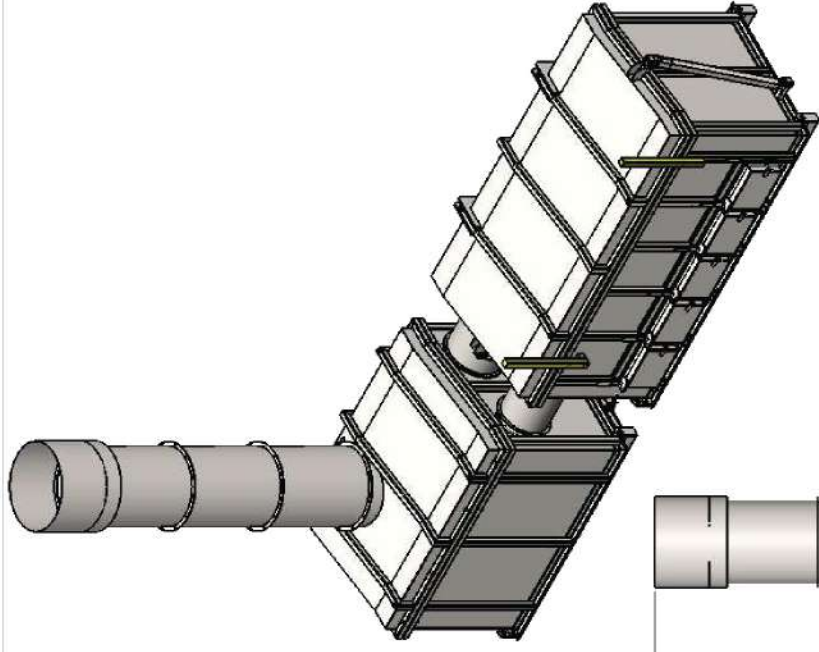
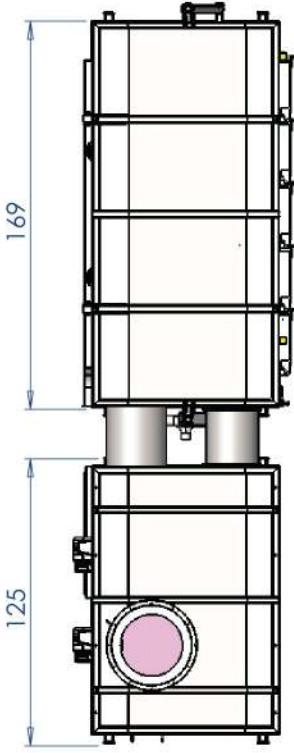
Fuel Tank

Allowing you to operate the incinerator in all locations as well as providing a backup to your traditional supply. Available in 1000 to 5000 litre capacity. Fuel can be safely stored and monitored in close proximity to your incinerator.



Venturi System

An advanced flue gas treatment system designed to further reduce dust, acid gasses, dioxins and furans. Highly effective the venturi is widely regarded as the leading treatment system in its field.



Material: Plain Carbon Steel
 Specification: n/a
 Finish: NONE
 Scale: 1:60

Drawn by: Harjot Bhullar
 Approved by:
 Last saved date: 06/03/2018
 Weight: 26.2 Tonnes

Notes:
 ALL DIMENSIONS ARE SUBJECT TO CHANGE AND SHOULD BE USED AS A GUIDE ONLY
 Dimensions in Millimeters

addfield
 Incinerate • Cremate
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Tolerances, Unless otherwise stated
 WHOLE NUMBERS ± 0.20
 1 DECIMAL PLACE ± 0.10
 2 DECIMAL PLACE ± 0.05
 ANGLES ± 0.5°
 Maximum Surface Finish: 3.2
 Unless otherwise stated

Title: RAPID GA
 Drawing Number: Rapid GA -B

Design Approval: 1
 REV: B
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