

Pet Cremation



# A50-IC (1) Multi chambered pet cremation machine for small to large pets.

Upper and lower cremation chambers increase throughout with easy operation. Cremate up to 15 pets a day.



The A50-IC (1) pet cremation machine is streamlined to increase your output efficiently through its two cremation chambers. Pneumatically controlled front loading door with a second lower chamber for easy manual de-ashing to optimise your daily throughput to up to 15 pets.

Designed for safety, performance and efficiency benefiting from Hot Hearth technology, continuously recycling heat throughout the primary cremation chambers, delivering complete 360° heating drastically reducing cremation time. Unrivalled in it's field boasting a 40% reduction in fuel consumption compared to alternative solutions. Designed for growing pet crematoriums.

### Machine Specification

|                                 |                    |
|---------------------------------|--------------------|
| Upper Chamber L x W x H (mm)    | 1545 x 728 x 893   |
| Lower Chamber L x W x H (mm)    | 1545 x 728 x 652   |
| Weight (Approx tonnes)          | 8                  |
| Nominal Burn Rate UK* (kg/hr)   | <45                |
| Thermal Capacity (kW)           | 294                |
| Power Supply 50/60 hz (3 Phase) | 220 - 250v         |
| Door Aperture                   | 660 x 620          |
| Hot Hearth Principle            | Yes                |
| Fuel Types                      | Diesel, LPG, N-Gas |
| Control Panel                   | PLC                |
| Additional Operation Equipment  | Optional           |
| Insulation Board                | 25mm Superwool     |
| 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

- Heavily insulated internal refractory lining. Constructed from high grade refractory brick ensuring a secure self supporting, interlocking arrangement.
- Manually opening, securely locking, access door with viewing port.
- Automatic temperature controlled on-off waste ignition burner complete with internal air fans.
- Hot Hearth Combustion Burner, temperature controlled on-off, complete with internal air fans.
- Secondary combustion burner air fans, automatically controlled distribution to their designated area.
- Two temperature sensor mounting points.

## Secondary Chamber

- Fully insulated internal refractory lining. Constructed from high grade refractory brick and low thermal mass insulation.
- Secondary chamber burnout burner, temperature controlled on-off complete with internal air fans
- Automatically controlled integrated combustion burner air fans.
- Temperature sensor mounting point at the base of the exit flue ensuring the chamber reaches the necessary 850°C minimum

### Optional Extras

|  |                        |   |
|--|------------------------|---|
|  | De-ashing Tool         | ✓ |
|  | Pet & Horse Cremulator | ✓ |
|  | Lift Table             | ✓ |
|  | Fuel Tank              | ✓ |
|  | Spares Kit & Servicing | ✓ |

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## Waste Loading and De-Ashing

The PET series of cremators are ergonomically designed for easy and safe loading of household pets. Loading through the front facing door can be completed manually or with the aid of a hydraulic lifting table. Able to be safely loaded multiple times throughout a cycle to enable multiple individual pet cremations in a day. At the end of every cremation process, ash should be discharged through the loading door onto the supplied catcher tray prior to being loaded for the next cremation.

## The Addfield Difference

- Pre-Fabricated 8mm & 10mm 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 and secondary chamber lining thickness 180mm rated at 1650°C.
- Premium paint finish - Steel structures are painted using a two-pack high grade paint system.
- Unique Hot Hearth technology enabling increased efficiency of cremation by providing additional heating below the chamber encouraging 360° heat distribution.
- Multi-layered refractory lining using fire bricks and insulation bricks, improving thermal efficiency.



## Additional Operation Equipment



### Hydraulic Lift Table

Providing an easier way of lifting weights up to 150kg. Having an extendable bed for safer loading. Height adjustable up to 1.3m, and a pull lever to smoothly lower the table. Ball bearing assisted loading tray.



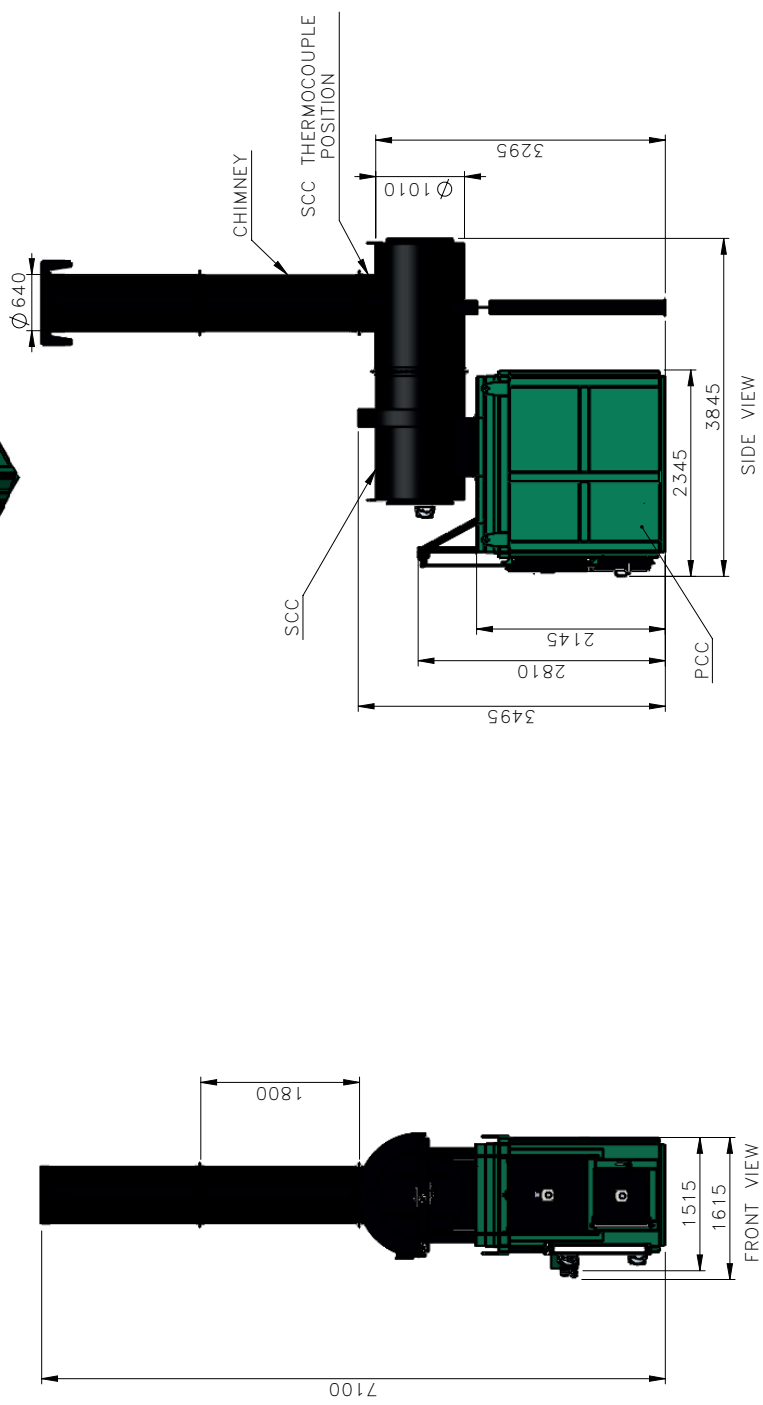
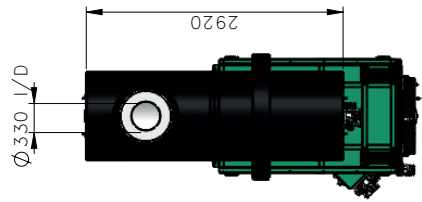
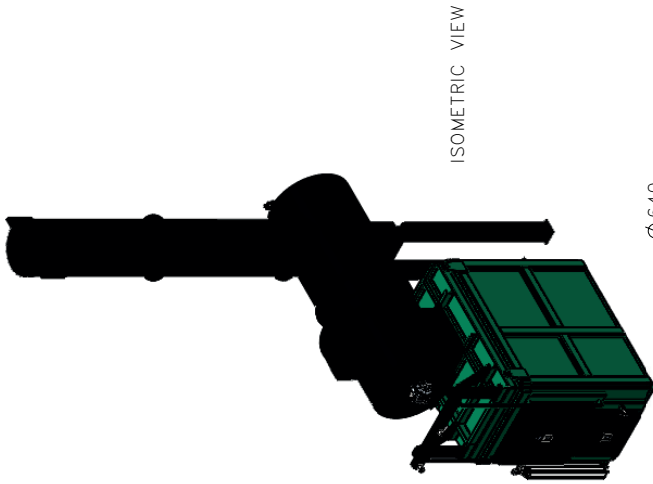
### De-ashing Tools

De-ashing tools increase the comfort of de-ashing the cremator. Associated with removing hot ash from the chamber of the cremator straight into the ash box, ready to be processed in the cremulator unit.



### Pet Cremulator

The cremulator processes the remains of domestic animals and grinds them into a fine ash for returning to the owner. The operation process for this only takes 2 minutes from bone material to a final ash residue.



THIRD ANGLE PROJECTION  
(UNLESS STATED OTHERWISE)

MATERIAL:  
N/A

FINISH:  
N/A

TOLERANCES  
(UNLESS STATED OTHERWISE)

WHOLE NUMBERS  $\pm 1.00$

1 DECIMAL PLACE  $\pm 0.10$

2 DECIMAL PLACE  $\pm 0.05$

ANGLES  $\pm 0.50^\circ$

WEIGHT: 9500kg

**addfield**  
Incinerate • Cremate

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PROJECT:

STANDARD A50IC(1)

TITLE:

A50IC(1) GA

| DATE  | DRAWN | CHECKED | APPROVED | DATE       | DRAWN | CHECKED | APPROVED | DATE       | DRAWN | CHECKED | APPROVED | DATE | DRAWN | CHECKED | APPROVED |
|---|-------|---------|----------|------------|-------|---------|----------|------------|-------|---------|----------|------|-------|---------|----------|
|   |       |         |          | 14/12/2020 | K.J.  |         |          | 20/08/2019 | K.J.  |         |          |      |       |         |          |
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| <p>UPDATED DIMENSIONS</p>   |       |         |          |            |       |         |          |            |       |         |          |      |       |         |          |
| <p>DRAWING No. 45-001-1</p>   |       |         |          |            |       |         |          |            |       |         |          |      |       |         |          |
| <p>SHEET No. 1</p>  |       |         |          |            |       |         |          |            |       |         |          |      |       |         |          |
| <p>SCALE: 1:60</p>  |       |         |          |            |       |         |          |            |       |         |          |      |       |         |          |
| <p>REV A3</p>   |       |         |          |            |       |         |          |            |       |         |          |      |       |         |          |