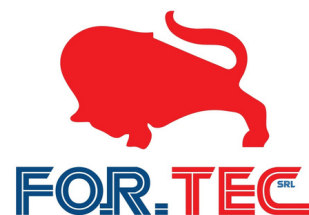


Discover our:

# ANIMAL/ORGANIC WASTE INCINERATOR MOD. EXCE AN



Simplicity and technology, finally together.



EXCE incinerator combines heavy-duty construction and easy operation with advanced combustion control to ensure safe, efficient, and fully controlled destruction of animal carcasses and organic waste.

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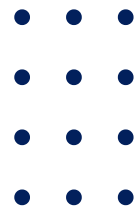


[www.fortec-inceneritori.it](http://www.fortec-inceneritori.it)



**FORTEC** is an Italian company with **over 50 years of experience** in solutions for thermal waste treatment, cremation, and the controlled management of thermal processes. We design and **manufacture every key component in-house**, from steel structures and refractory linings to electrical panels and control systems, an advantage that ensures a **truly Made in Italy product**, full control over quality and lead times, and more effective customer support.

Each plant is developed to customer specifications, tested before delivery, and supported by dedicated sales teams for both the Italian and export markets. We also have a technical team that supports customers during **on-site commissioning worldwide**, along with a **remote assistance system** that bridges distances, enabling rapid interventions and expert support directly from our headquarters.



# EXCE AN



Incinerator for:  
**ANIMAL CARCASSES  
AND ORGANIC WASTE**



## TECHNOLOGY

Thanks to the FORTEC VOYAll microprocessor management system, the cycle is completely controlled and automated



## DESIGN

The full-section upper door allows convenient loading of any type of waste.



## ENVIRONMENT

The chambers are built in such a way as to ensure a perfect incineration process, complying with the most restrictive European and world regulations

The range of Exce AN incinerators represents in the wide variety of For.Tec. Brand products, the simplest, safest, most effective and fastest solution for the disposal of organic waste, animal carcasses, slaughterhouse waste.

Different versions with different capacities of the treatment chambers, ranging from a minimum of 0.4 to a maximum of 10 m<sup>3</sup>, allow to meet the needs of each type of application. Many farms, veterinary institutes, slaughterhouses, meat and fish processing industries and private food waste treatment companies, decided to equip themselves with an Exce AN incinerator to enjoy its many advantages: definitive elimination of waste and with them of bad smells, elimination of the risk of epidemics, reduction of soil and water pollution and significant improvement of cleanliness and health safety conditions.

Highly versatile and customizable, the **Exce AN** ovens are shaped in such a way as to allow easy introduction from the top of whole carcasses even of large animals and can be equipped with automated loading systems, with hydraulic piston, tilting or roller conveyor, which allow the handling of waste in complete safety and considerable fuel economy. These incinerators can also be combined with systems for heat recovery and for the production of domestic hot water or steam, which can be reused in your business and can be installed on trailers or inside containers, thus becoming mobile units.

The Exce AN incinerators boast high operational performance, extreme ease of use, great reliability, sturdiness and durability: the insulation of the chambers is made with a first layer of calcium silicate panels with a high insulating coefficient and a second layer of refractory concrete with a high concentration of Al<sub>2</sub>O<sub>3</sub>, resistant to temperatures of over 1500°C; the loading hatch cover is made with HT-Z ceramic fiber, with a density greater than 160 kg/m<sup>3</sup>, highly resistant to thermal shock, fixed by stainless steel hooks.

**Thanks to the use of latest generation thermo-fluid dynamics simulation software, it was possible to study and build chambers shaped in such a way as to ensure a perfect incineration process, complying with the most restrictive European and world regulations, in particular:**

- In the incineration chamber the heat is distributed evenly, allowing the waste to burn uniformly at high temperatures (over 1000°C), thus eliminating any trace of pollutant in them and obtaining, at the end of the incineration cycle, only inertized ashes
- The effluent gases from the incineration chamber flow into the post-combustion chamber by means of a calibrated duct and are treated here at a temperature of > 850°C to carry out their complete oxidation, eliminating the VOCs and inhibiting the process of formation of dioxins and furans.

In the post-combustion of Exce AN ovens, full compliance with the operating parameters imposed by Regulation EC 1069/2009 and Regulation EU 142/2011 takes place, such as:

- **Minimum operating temperature: 850°C**
- **Gas residence time: > 2 "**
- **Free O<sub>2</sub> content: > 6%**



# EXCE AN