Discover our:

CREMATORY OVEN

MOD. TITAN

FOR.TEC SRL

Designed to stand out. Built to last.

Our state-of-the-art crematorium guarantees efficiency, intelligent control and construction quality.

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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.

TITAN

CREMATORY
OVEN

TECHNOLOGY

Equipped with Siemens PLC with remote control, modulating burners and systems for energy recovery.

DESIGN

Strong attention to the aesthetic impact, use of quality materials in the finishes.

ENVIRONMENT

Emission abatement systems based on Best Available Technology.

The TITAN crematory is a modulating type system with a hot hearth, therefore having a postcombustion chamber in the lower part and a cremation chamber on the back, with a wall and a sturdy sole built in refractory material with a high content of alumina on which the coffin will be placed, which divide the two chambers.

The sole, uniformly heated by the heat coming from the postcombustion chamber (preheated by law to over 850°C), will favour a better and faster cremation, with a particular speeding up of the calcification phase of the bone remains.

The large internal structure of the cremation chamber also allows the treatment of oversized coffins.
The coffin loading door is made of AISI 304 stainless steel and it is insulated with top quality refractory material. Its operation is completely automatic and it is controlled by an operating panel: it allows both total and partial opening of the door, an operation that allows the collection of ashes and at the same time guarantees the safety of the operator.

As a rule, our **TITAN** plants have both an ash collection channel and a zinc collection channel, in order to allow the plant to be used in all verifiable conditions. The collection points are available, at the customer's choice, on the front or back of the oven.

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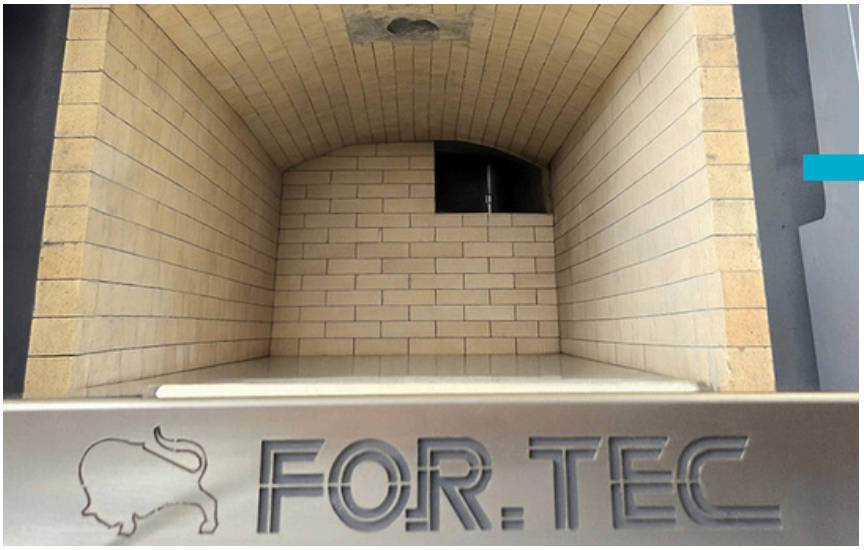
A remote control system, installed on the machine and integrated with the management software, allows us builders or anyone in charge of plant maintenance to detect any problems and intervene remotely to solve them.

The cremation process takes place exothermically, so that with an adequate amount of oxygen the combustion can be maintained without supporting fuel. This condition ensures a very low fuel consumption, which can be roughly quantified in 20 cubic meters per cremation.



The effluent gases from the cremation chamber, by means of a calibrated duct, flow into the post-combustion section, located on the lower part of the oven, and here they are treated at a temperature of over 860°C in order to operate their complete oxidation.

At the end of the process, the purified gases are conveyed into a chimney and expelled into the atmosphere or introduced into further abatement systems, supplied by us "ad hoc", in order to comply with the most restrictive national and European anti-pollution regulations.