




# CREMATORY OVEN MOD. FT

TECHNOLOGY - DESIGN - ENVIRONMENT

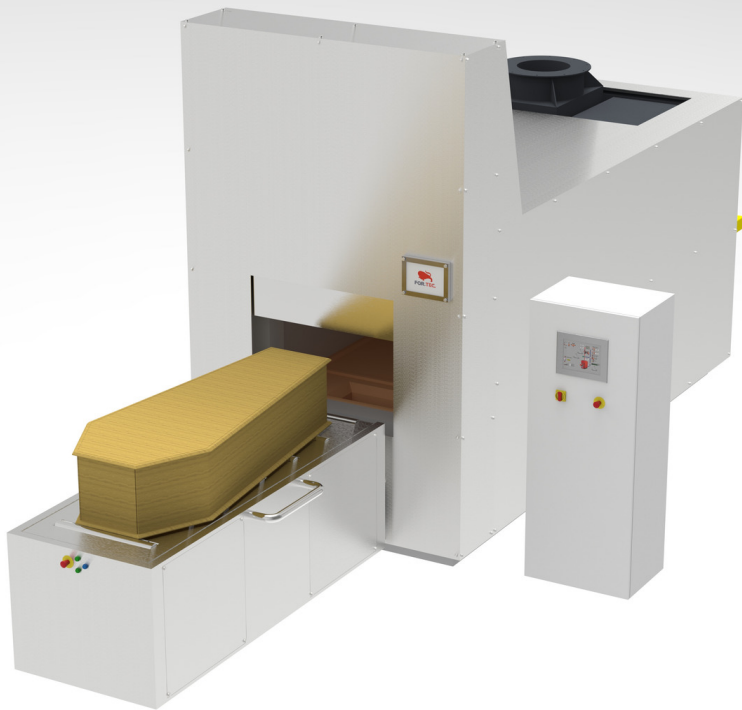
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## TECHNOLOGY

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

## DESIGN

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

## ENVIRONMENT

Emission depuration systems based on Best Available Technology

Our crematory mod. FT, is a **modulating type system with hot hearth**, therefore having a **postcombustion chamber in the underlying part and a cremation chamber on the back**, with a wall and a sturdy sole constructed in refractory material with **high alumina content**, on which the coffin will be placed, which divide the two chambers.

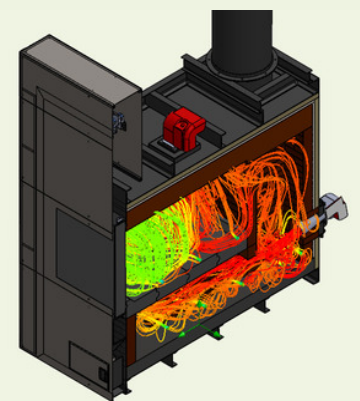
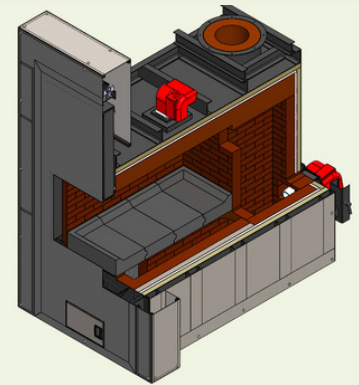
The sole, **uniformly heated by the heat** coming from the postcombustion chamber (preheated by law to over 850°C), will favour a better and faster cremation, with a particular speeding up of the calcification phase of the bone remains.

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 insulated with high quality refractory material. Its **operation is completely automatic** and is controlled by a drive panel. It allows both total and partial opening of the door, an operation that allows the collection of the ashes and at the same time guarantees the operator safety.

Normally on our FT crematory there are both **ash collection channel and zinc collection channel**, in order to allow the use of the plant in any verifiable condition. The collection points are available, depending on the customer's choice, on the front or back of the oven.

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



# ZERO IMPACT

TECHNOLOGY AT THE SERVICE OF THE ENVIRONMENT



## LOW EMISSIONS Process

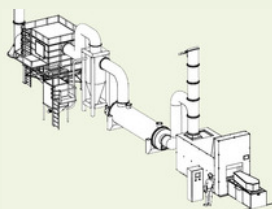
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Abatement of Acid  
Pollutants by reagents  
Injection

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Dust removal with pocket  
filter

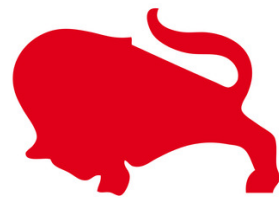
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The cremation process takes place exothermically, so that with an **adequate amount of oxygen**, the combustion can be maintained without supporting fuel. This condition ensures a **very low fuel consumption**, which can be quantified in an approximate way in 20 mc for cremation.

The effluent gases from the cremation chamber, by means of a calibrated duct, flow in the **postcombustion section**, which is located on the lower part of the furnace, and here they are treated at a temperature of about 860°C in order to operate a complete oxidation.

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



**FOR.TEC**<sup>SRL</sup>

HUNDREDS OF CUSTOMERS IN THE WORLD HAVE CHOSEN OUR OVENS

## CUSTOMIZED SERVICES

- Feasibility studies
- Crematorium Functional Layouts
- Thermo fluid dynamics CFD simulations
- Assistance with authorization procedures
- Scheduled maintenance
- Remote assistance

## QUALITY

Certified Company Management System ISO 9001: 2015

Certified Environmental Management System ISO 14001: 2015



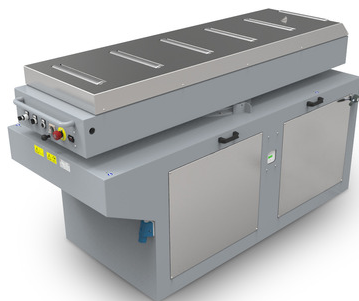
## ACCESSORIES

The latest technology discoveries at the service of the crematorium process



### CREMULATORS

High speed with metal separator



### COFFINS CHARGE

Different types, for every need



### COLD CELLS

from 2 to 16 posti