

THE CMTS CREMATION FURNACE

This cremator incorporates full automatic control including that of flue gas emissions. It is built to meet emission regulations laid out by European Union and that of World Health Organization.

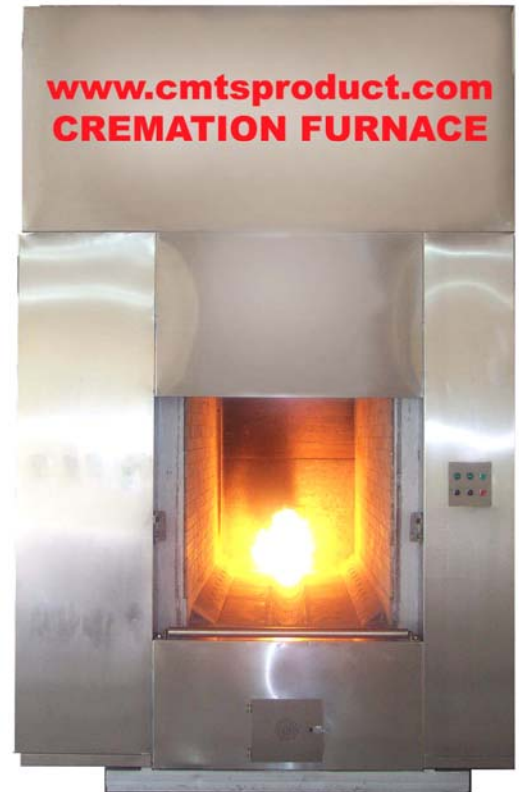
The cremator operates on natural gas, LP gas or diesel oil and employs the proven two chambers design for clean discharge and reliable operation.

CMTS has concentrated on providing a simplified control interface requiring no special operator skills.

This heavy duty cremator has a 70 to 90 minute cycle, depending on case types and offers up to six cremations per 10 hour day, whilst maintaining clean emissions throughout each cycle.

A negative pressure primary chamber ensure that burning operations are fume free and heat is drawn away from the door.

The aesthetically designed exterior has an easily cleaned stainless steel decorative finish.



Microprocessor Controlled

The Microprocessor based control system is simple to use, uncomplicated, and requires no special level of operator skill. It features a fully automatic mode with a standard cycle time of 70 minutes as well as a manual over-ride mode that prolongs the burning operation for complete cremation of oversized cadavers.

An optional PLC (Programmable Logic Control) panel can also be supplied in lieu of the microprocessor based system. This control panel incorporates indicator light display that advises operators of the cremation cycle status and any fault information. This display may be extended to a remote or central control centre.

Remote Monitoring Computer

This option allows management to access the following information:

- Monitor of individual cremators showing start and finish times.
- Net standby time per day.
- Historical record of PLC functions including fault recognitions.
- Ability to report events, store real-time data for later analysis and to provide printouts.
- An on-screen schematic showing cremator operation dynamically changes colour and shape - the operator is able to visualise overall operation and alarm conditions at a glance.

CMTS 24 Hours Help Line

A commitment to the highest level of service means the company can provide local service support within 6 hours after a telephone report has been lodged. For customers who opt for cremators with remote monitoring computer management systems with modem connections, CMTS can provide online assistance for rectifying faults. If electrical, the fault can be diagnosed and corrected. If mechanical, the fault can be highlighted and appropriate action advised for customer to follow through. However, CMTS field crew will be dispatched on receiving a call on our help line, 365 days a year.

The CMTS Cremation Furnace:

Single Package Design for Fast Installation

Being a single package, the CMTS Cremation Furnace is ideally suited for 'through the roof' installation, or it may be wheeled into position.

No Separate Fan Room Required

The cremator is supplied with two separate fans for combustion, secondary air and flue gas ejection operation. These fans are quiet in operation. With no fan room, installation is rapid and costs are reduced.

On-site steps are:

- Position furnace.
- Connect flue system.
- Connect to power and fuel.
- Fit decorative panels (optional).
- Commission plant / train operators.



Auto Charging Bier

The auto charging bier allows loading at high temperatures and provides maximum operator safety from hazards such as radiated heat, flashback and back strain.

The bier, which is mobile, locks onto the front of the cremator requiring only one operator.

Very rapid charging takes less than 10 seconds. Charging is hazard free as the operator stands two metres from the charge door. There is no need to cool the cremator before loading. The automatic coffin charger complements the advances in cremator design and environmental demands.

Transfer Trolley

Versatile and flexible. The CMTS transfer trolley can be used to silently transfer caskets throughout the facility. It adjusts easily and quickly to varying heights by battery power and can be used, complete with remote control.

Construction is of light weight, satin finish, stainless steel, providing a durable finish that is easily cleaned.

Principal Technical Characteristics

TYPE	EC - 500	EC - 700	EC - 800
Maximum Size of Cremation Casket that can be incinerated			
Length (mm)	2000	2100	2200
Width (mm)	510	610	800
Height (mm)	585	610	1065
Internal Furnace Chamber Volume	1.7 (m ³)	1.94(m ³)	3.51(m ³)
External Dimensions of Main Door			
Width	800	1000	1200
Height	800	800	1450
Average Cremation Cycle Time (min)	80 ~ 100	80 ~ 100	70 ~ 90
Temperatures			
Cremation	800 / 1000°C	800 / 1000°C	800 / 1000°C
Post – Cremation	850 / 1000°C	850 / 1000°C	850 / 1000°C
Weight (tons)	15T	17T	23 T
Minimum Stack Height (m)	6.00	6.00	6.00