

## Containerized Waste Incinerator

## SECURITY DOCUMENT / WOOD WASTE & AGRICULTURAL INCINERATOR



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## Technical Specification

These incinerators are designed for the disposal of secret documents, books that are not suitable for recycling and cellulose based material, in urban areas or in location with strong environmental concerns. The system comprise of a feeding chute, an air curtain burning chamber, water scrubber, ash storage box, cassette filter and stainless steel stack.

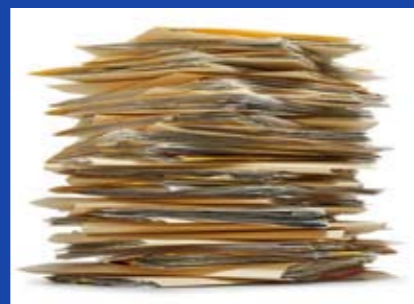
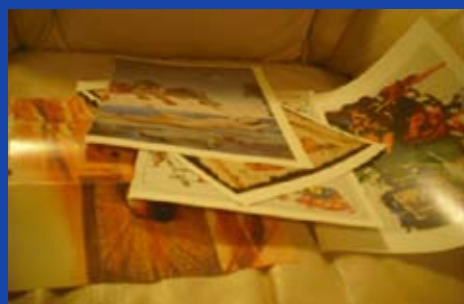
### Incinerator Models Available :

- Model B1-15 :  
Processing capacity of 20 kg per hour of paper and books with an average gross calorific value of 3,000 ~ 4,000 kcal / kg. This model has a batch load of 10 kg per charge.
- Model B1-30 :  
Processing capacity of 30kg per batch for paper and books with an average gross calorific value of 3,000 ~ 4,000 kcal / kg. This model has a batch load of up to 15 kg per charge.
- Model B2-15FS :  
Processing capacity of 20kg per hour of paper and books with an average gross calorific value of 3,000 ~ 4,000 kcal / kg. This model has a batch load of 10 kg per charge and the waste material is fed through a side feeding sluice.
- Model B2-30FS :  
Processing capacity of 30kg per batch for paper and books an average gross calorific value of 3,000 ~ 4,000 kcal / kg. This model has a batch load of up to 15 kg per charge and the waste material is fed through a side feeding sluice

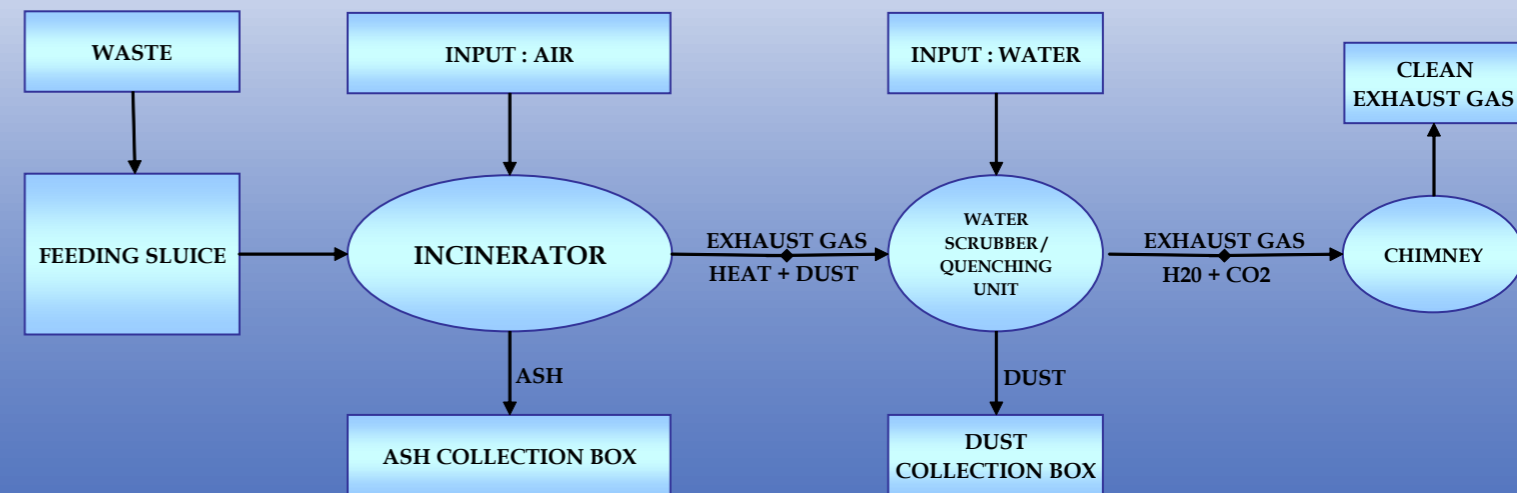
### Operating Principle :

The design of the CMTS Security Document Incinerator is centered around the operating principle of the air curtain technology. High Velocity air is introduced into an enclosed chamber in which combustible materials are loaded. The powerful air curtain of air created in this process rotates the mass of high temperature air that has been trapped in the chamber. The increased combustion time and turbulence results in complete combustion of the loaded waste and the protective curtain created by the rotating air significantly reduces emissions.

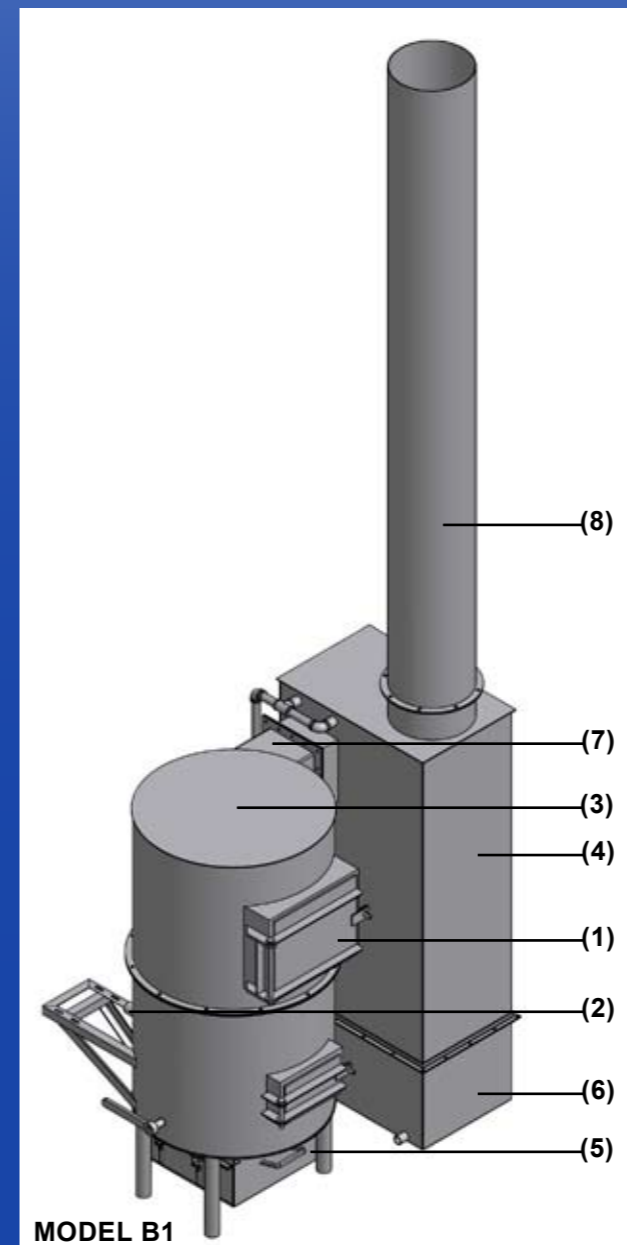
The Security Document Incinerator has been developed to permit the incineration of sensitive documents or material generated from Chancellories, Government Ministries, Mosques, Customs and Immigration Department, etc.



## GENERALISED FLOW DIAGRAM OF INCINERATION SYSTEM



## COMPONENT OVERVIEW



- 1.HOT LOADING SLUICE DOOR
2. AIR BLOWER
3. INCINERATOR CHAMBER (PRIMARY CHAMBER)
4. WATER SCRUBBER / QUENCHING UNIT
5. ASH COLLECTION BOX (PRIMARY CHAMBER)
6. DUST COLLECTION BOX (WATER SCRUBBER)
7. CONTROL PANEL
8. STACK

