

# ONE STEP FORWARD TO SOLID WASTE MANAGEMENT



Engineers at their best

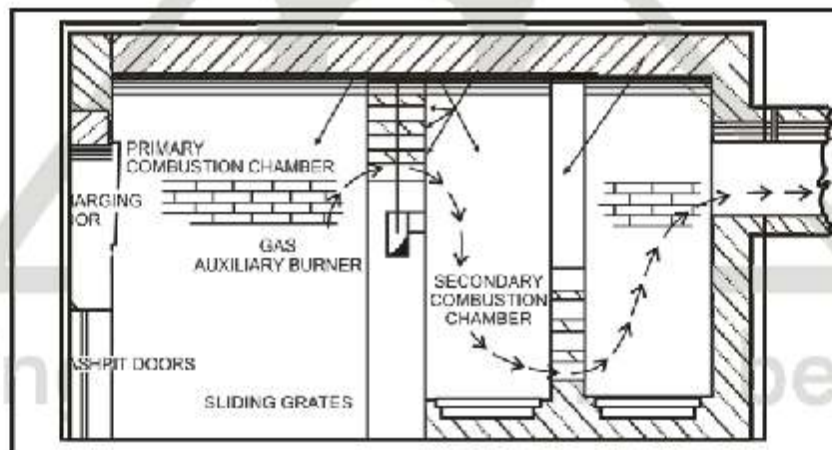
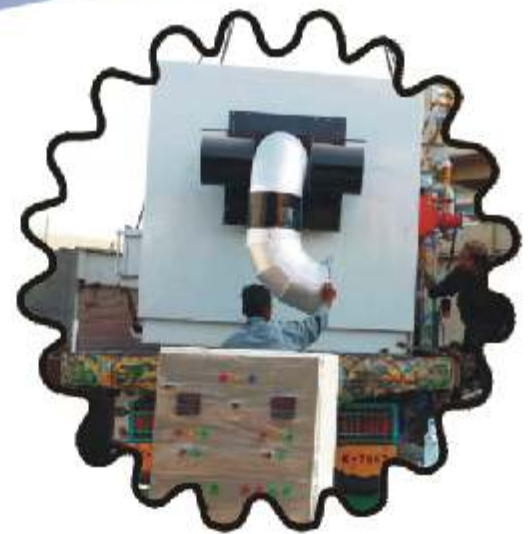
# SURIA ENGINEERING

Engineers and Turnkey Contractors

## SURIA INCINERATOR

Suria Engineering Manufactures Incinerator of Capacity ranges from 10 to 300 kg / hour Each Incinerator is designed according to specific requirement of user.

- Meets National Environment Quality Standards (NEQs)
- Complete burning of waste material is ensured by proper air / fuel ratio and sufficient mixing of reactants, adequate residence time, high temperature and low velocities.
- Eliminates dark smoke emission when burning the waste materials.
- Userfriendly: operation is ensured by proper automation.
- Adequate SAFETY FEATURES are incorporated to protect the premises and operators against mishaps and accidents
- Absolute trouble free and maintenance free burner operation.



- A **TYPICAL INCINERATOR** consists of three chambers which are interconnected
- The primary chamber is for burning the waste material in a controlled atmosphere. A gas burner is provided to ignite and sustain combustion.
- In the secondary chamber the **POLYNUCLEAR HYDRCARBONS** and **COMBUSTIBLE SOLIDS** carried over from the primary chamber, are incinerated at high temperature. The chamber is designed to extend the residence time of **FLUE GASES**, to ensure thorough combustion. A gas burner is provided to maintain high temperature in this chamber.
- The third chamber is primarily for cooling flue gases and setting **FLY-ASH**.



## MEDICAL INCINERATOR

SI Series Medical Incinerator is a useful type waste disposal equipment Which can be used in every class hospital for incinerating solid flammable waste such as surgical waste and substance with virus etc.

### Characteristics:

#### 1. Thorough incineration

The incinerator owns the effective structure for smoke flow, so the fire flow direction is stable, the burning is powerful and the waste can be incinerated thoroughly, and the volume decreasing ratio is 95%

#### 2. Thorough prevention on social effects of pollution,

the twice-pollution can be eliminated. The second time burning is adopted to make sure that the smoke & hazardous gas after the first burning is thoroughly burned and broken in the second burning

#### 3. Low incineration cost

The waste can be dried firstly in the incinerator before burning so the energy cost in decreased largely and the incineration cost is lower than the domestic same kind products.

#### 4. Easy operation

The burning machine is adopted: it has auto firing device and photoelectrical inspection, so the special technical training is unnecessary on the operators and the special people for management is also unnecessary part-time is enough.



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### Main Technical Parameters:

Model	Capacity	Voltage	Power (Kw)	Outer Dimension (LxWxH) in MM	No. of Chambers
SI-25	20 - 30	380	1.5	1800 X 1200 X 1350	2
SI-50	40 - 60	380	2.5	2100 X 1200 X 1500	2
SI-100	90 - 110	380	7	3000 X 1500 X 1800	3
SI-150	140 - 160	380	9	3300 X 1800 X 1800	3
SI-200	190 - 210	380	15	3600 X 2100 X 1800	3



# LIST OF FEW CLIENTS

- 1, ADAMJEE POLYMER (PVT) LTD. HUB
- 2, AL-ABBAS INDUSTRIES. DHABEJI
- 3, ALLIED PLASTIC INDUSTRIES HUB
- 4, AHMED SILK MILLS KARACHI
- 5, DUTECH (PVT) L TD. KARACHI
- 6, EXIDE BATTERIES PAKISTAN LTD. KARACHI
- 7, FUTEHALLY CHEMICALS KARACHI
- 8, HAMDARD LABORATORIES (WAQF) PAKISTAN KARACHI
- 9, M.M. SILK MILL KARACHI
- 10, RECKIT & COLMAN OF PAKISTAN KARACHI
- 11, PHILIPS ELECTRICAL CO. OF PAKISTAN KARACHI
- 12, SHAFI RESO-CHEM KARACHI
- 13, PAKISTAN SYNTHETIC CO. LTD. HUB
- 14, MARINE FOOD LID. KORANGI CREEK KARACHI
- 15, MEKRAN FISHRIES WEST WHARF KARACHI
- 16, SPECTRUM FISHRIES WEST WHARF KARACHI
- 17, SEA GREEN ENTERPRISE WEST WHARF KARACHI
- 18, A.G. FISHRIES WEST WHARF KARACHI
- 19, BUTT BORS, KORANGI KARACHI
- 20, PAK EXPORTS KARACHI
- 21, CLARIANT PAKISTAN L TD. JAMSHORO
- 22, SEAMILES FISHRIES WEST WHARF KARACHI
- 23, SIEMENS PAKISTAN ENGINEERING KARACHI
- 24, HAMZA BROS. NOR TH KARACHI. KARACHI
- 25, NAURUS (PVT) LIMITED. KARACHI
- 26, SHAFI GLUCO (PVT) LTD HUB
- 27, KOHINOOR CHEMICALS KARACHI
- 28, MEDICS LABORATORIES (PVT) L TD. KARACHI
- 29, ISIS PILARMA KARACHI
- 30, CAKES N BAKES LAHORE
- 31, K ELECTRIC. KARACHI
- 32, BALUCHISTAN LAMINATES. HUB
- 33, RAINBOW HITECH KOTRI
- 34, NISHAT TEXTILE MILLS LAHORE
- 35, DANPAK FOODS KARACHI
- 36, CARRY FOR PHARMA (PVT) LTD PORT QASIM
- 37, HAMZA FISHERY KARACHI
- 38, PRINTEC PACKAGES KARACHI



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