



YOUR WASTE YOUR RESPONSIBILITY

Now Possible with OUR

MAK KILN - 1000 Incinerator

Model: 3 TPD (3 Tons per day or 200 Kg / Hr)

A scientific, patented, field proven, matured system that burns at > 800 Deg C to neutralize any toxic gas emission.

Solid waste management is a real challenge faced by every city and town in the country. So far, the efforts are focused only on segregation at source, collection and transportation to dump-yards, while the decentralized technology solutions are not focused which is the need of the hour now and hence, MIL developed KILN-1000 and offers to address the issue in solid waste management at source of generation.

Technology Brief

- The solid waste is first segregated as bio-degradable and non-saleable, non-biodegradable (RDF - Refuse Derived Fuel) wastes.
- The non-biodegradable (RDF) wastes are incinerated using MAK KILN-1000 system.
- One of the byproducts is, ash is used to make paver blocks (Construction Material).
- The activated carbon extracted in large plants (>30TPD) from exhaust during the process can be used as manure for plants.
- The heat harvested from exhaust gas is reinducted in to the burning chamber for sustaining fuel less burning and in large (> 30 TPD) plants excess heat is used to produce power for captive consumption and upload to the grid. (About 1 MW for every 30 TPD Plant).



Low Operating Cost



No Toxic Smoke
(meets all emission norms)



Waste (RDF) to Ash
to Paver Bricks



Very Less Manpower



Temperature 817°C



Capacity 3 Tons/ Day

Technology Uniqueness

- Patented scientific incineration technology.
- First of its kind technology in the world to get CTO from PCB.

Compliance To Norms Of

- Waste to Wealth.
- Waste to Zero Waste .

MAK KILN-1000 is suitable to

- Institutions.
- Big corporates.
- Commercial Malls.

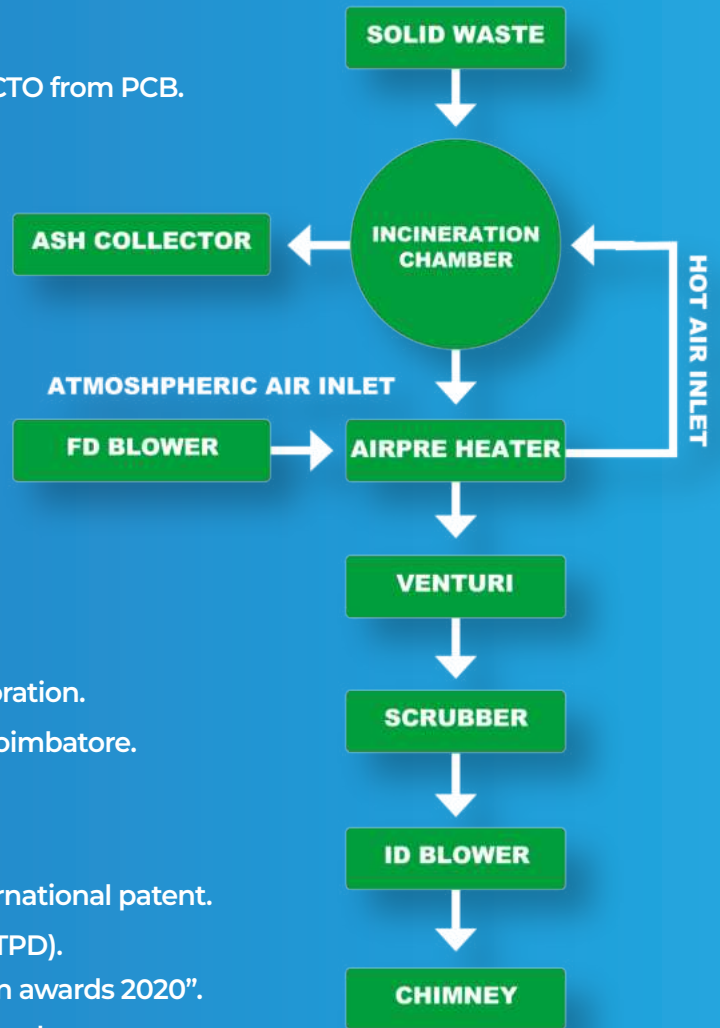
Projects Completed and Running:

- 50 TPD at Kodungaiyur, Greater Chennai Corporation.
- 3 TPD at Dr.GRD College of Arts and Science, Coimbatore.

Credentials

- Obtained patent for India and pending for international patent.
- CTO from TNPCB (required for large plants > 5 TPD).
- Got "Cavinkare MMA Chinnikrishnan Innovation awards 2020".
- First in the world to handle COVID-19 medical waste.

Process Flow Chart



(Scan QR)
Watch our videos
for more information

About MAK India Limited

MAK Group of Companies, founded in 1973, specializes in manufacturing products across military, aerospace, electronic communications, power equipment, and eco-friendly technologies. As a pioneer in the Military and Aerospace sectors, it boasts state-of-the-art facilities, cutting-edge technology, and a strong R&D focus, consistently introducing first-of-their-kind products in India.

MAK Group included MAK Controls and Systems Private Limited (1973), MAK India Limited (1981), Air+Mak Industries incorporated USA (1997), and Manu Neethi Foundation (2018).

Founder Manu Neethi Manickam, a BE graduate with a honors from the esteemed PSG College of Technology, Coimbatore, envisioned MAK Group as a champion of the "Make in India since inception (1973) " philosophy, fostering global innovation and development. With production facilities worldwide, the company has grown from a small team to thousands of employees driven by passion and talent.



MAK
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