

Waste to Energy Solutions



Energy Solutions

For a Cleaner & Greener Tomorrow

The ever growing urbanization in the cities has led to challenges of municipal solid waste disposal!

We at TBWES believe in providing greener and cleaner solutions to counter these challenges in a scientific way as per the latest solid waste management (SWM) rules.

The latest SWM rules call for combusting the "Combustibles". Thermax has developed an integrated indigenised solution for Refuse Derived Fuel (RDF) and segregated Municipal Solid Waste (MSW) to optimize the overall cost.

We offer solutions for system integration and waste heat recovery boilers downstream of Waste Gasifiers or Stokers or Rotary Kilns

Solutions we offer

- Reciprocating Grate Multi pass WTE boiler
- Heat Recovery WTE boiler downstream of Gasifiers, Stokers or Rotary Kilns
- Interface Engineering

Operating Range

- Single line capacity 50 - 600 TPD
- Pressure - Upto 67 kg/cm²(g)
- Temperature - Upto 430 °C

Our contribution in WTE

We have rich experience in firing difficult fuels, we offer solutions for fuels like agriculture waste, spent wash, paper sludge, Non-Recyclable Solid Waste, Refuse Derived Fuel, segregated Municipal Solid Waste & other Industrial process wastes.

We also provide solutions of multi pass heat recovery boilers downstream of Gasifiers, Stokers & Rotary Kilns along with interface engineering

Manufactured as per Technology developed by Thermax



Reciprocating Grate Fired WTE Boiler

- Special inclined Reciprocating (pusher) Grate technology with better controllability and efficient combustion.
- Hydraulic Ram feeders for feeding large size fuel
- Multi pass boiler for ensuring enough residence time and effective heat transfer
- Suitable pressure part arrangement & metallurgy for corrosion protection
- Integrated with Gas Cleaning Plant to meet local emission norms.

Heat Recovery WTE Boilers

- Multi pass heat recovery boiler downstream of Kilns or Gasifiers or Stokers with empty passes to ensure destruction of harmful pollutants.
- Special pressure part arrangement & metallurgy selection to protect against corrosion

Vertical & Horizontal arrangement to suit application requirements



www.thermaxglobal.com

Thermax Babcock & Wilcox Energy Solutions

Energy House, DII Block, Plot No
38 & 39, MIDC, Chinchwad,
Pune: 411 019

enquirytbwes@thermaxglobal.com

Customer Care: 1800-209-0115



www.linkedin.com/company-beta/166428

www.facebook.com/Thermaxglobal

Thermax Business Portfolio

- Heating
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- Power
- Air Pollution Control
- Chemicals
- Water and Wastewater Solutions
- Solar
- Specialised Services