

**ENIM**

**ENIM MARTIN**

# EnviroPower™

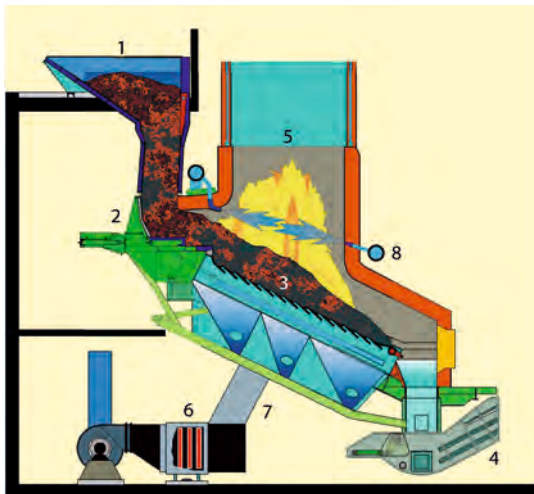


## PROVEN SOLUTION FOR SOLID WASTE COMBUSTION

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CNIM MARTIN Private Limited is established in India since 2017 and it is jointly owned by the two European Waste-to-Energy leaders CNIM SA and MARTIN GmbH.

**EnviroPower™** is the state of art Reverse-acting grate for waste combustion in Asia, specially designed in Germany by MARTIN GmbH and industrialized in India by CNIM MARTIN through an exclusive technology transfer.



1. Feed Hopper
2. Feeder
3. Martin **EnviroPower™**
4. Discharger
5. Furnace
6. Air Preheater
7. Underfire Air duct
8. Overfire Air Injection

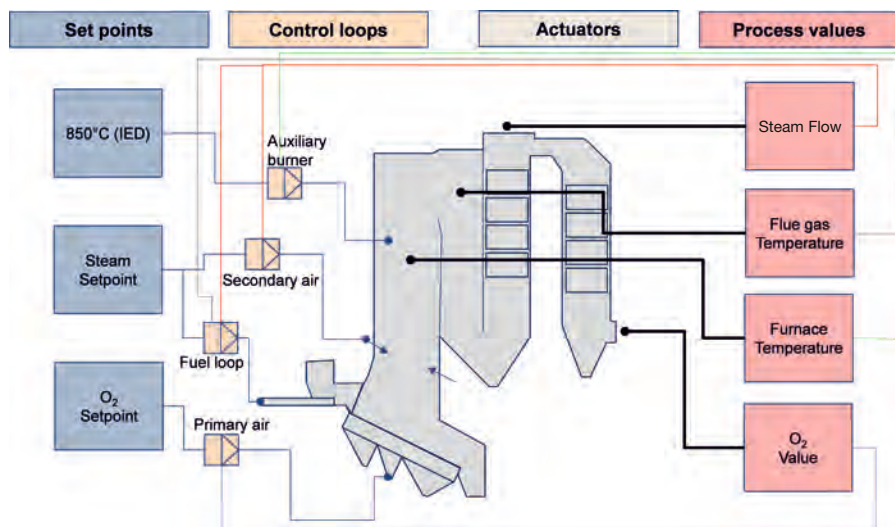
YOUR PARTNER FOR SOLID WASTE COMBUSTION

 **MARTIN**

**EnviroPower™** is setting up a new benchmark in Asia for waste combustion as it combines the unique and highest know-how and return of experience of MARTIN GmbH with the **competitiveness, quality control** and regional footprint ensured by CNIM MARTIN Private Limited.

## KEY FEATURES

- ▲ Designed by MARTIN GmbH for Asian waste conditions
- ▲ Compact & Standardised modules-150 / 300 / 450 / 600 / 750 / 900 TPD
- ▲ Efficient combustion of waste having calorific values as low as 1000 kcal/kg
- ▲ Less unburnt carbon / TOC in grate ash
- ▲ Low CO emission
- ▲ Reverse-acting movement against the direction of waste flow
- ▲ Less thermal stress on grate bars and hence longer life & high availability
- ▲ Efficient stoking and mixing of the waste
- ▲ Grate surface completely covered with waste / bottom ash and hence no water-cooling required
- ▲ Longer residence time of waste on grate ensures complete combustion
- ▲ Simultaneous process of drying, ignition & combustion and hence insensitive to waste quality
- ▲ Higher waste / ash layer across grate even at part load ensures less grate bar metal temperature



## PROVEN COMBUSTION SYSTEM

- ▲ Grate bar air nozzles specially designed for high moisture waste to avoid choking
- ▲ Grate bar material of High-grade alloy
- ▲ Grate components manufacturing by Audited Indian Suppliers
- ▲ Workshop pre-assembly and reduced erection time
- ▲ Interconnection of Grate and Boiler, prudently designed to avoid uneven expansion.
- ▲ Local & Regional support and services

Address:

**CNIM MARTIN Private Limited,**

SKCL Central Square -1, Ground Floor, North Wing,

Tiru-vi-ka Industrial Estate, Guindy, Chennai - 600 032. Tamil Nadu, India.

Phone : +91(44)66170 800, Contact : [info@cnimmartin.in](mailto:info@cnimmartin.in)

Visit our website : [www.cnimmartin.in](http://www.cnimmartin.in)