

EnviroPower™ Reverse Acting Grate

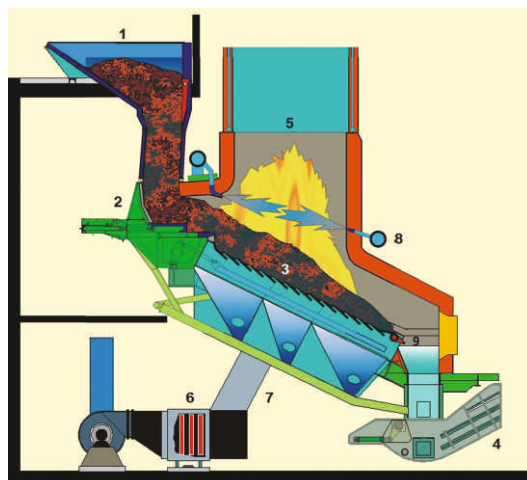


PROVEN SOLUTION FOR SOLID WASTE COMBUSTION

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

EnviroPower™ is the state of art reverse-acting grate, specially designed in Germany by MARTIN GmbH, for typical Asian waste and industrialized in Asia by CNIM MARTIN Private Limited.

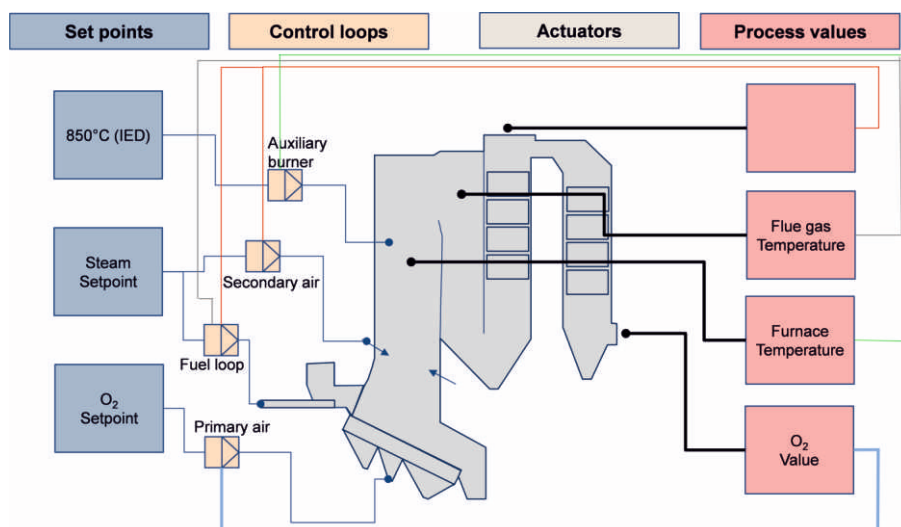


1. Feed Hopper
2. Feeder
3. MARTIN **EnviroPower™**
4. Ash Discharger
5. Furnace
6. Air Preheater
7. Underfire Air duct
8. Overfire Air Injection
9. Clinker Weir

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

KEY FEATURES

- ▲ Designed by MARTIN GmbH for Asian waste conditions
- ▲ Compact & standardised modules -150 / 300 / 450 / 600 / 750 / 900 TPD
- ▲ Air cooled Grate bars for wide range -1000 to 3800 kcal/kg (Raw MSW to RDF)
- ▲ Well suited for non-homogeneous & high moisture waste
- ▲ Less thermal stress on grate bars ensuring longer life & high availability
- ▲ Special Grate bar air nozzles to avoid choking
- ▲ Light weight profile grate bars for easy handling
- ▲ Single profile & metallurgy for all grate bars - interchangeable and lesser spares
- ▲ Grate bar temperature monitored from control room



PROVEN COMBUSTION CONTROL SYSTEM

- ▲ Longer residence time for complete combustion
- ▲ Clinker Weir to adjust the waste bed height
- ▲ Workshop pre-assembly and testing for a reduced erection time
- ▲ Interconnection of Grate and Boiler to avoid uneven expansion
- ▲ Regional support and services

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