



MARTIN
Technologies Private Limited

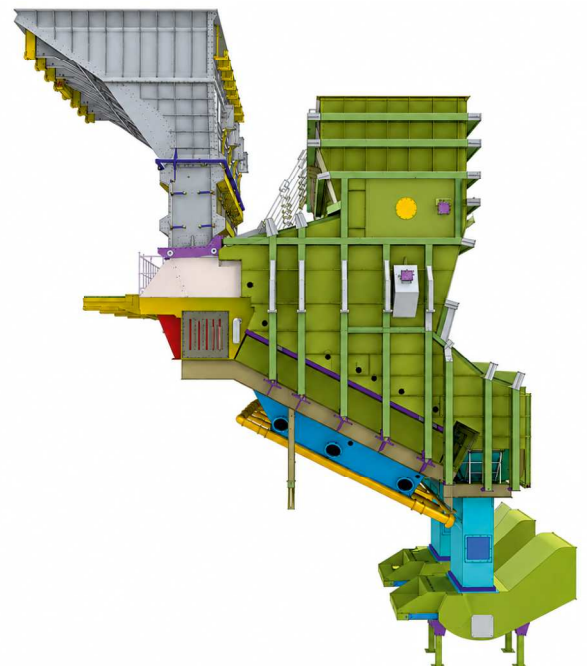
WASTE TO ENERGY BOILERS



PROVEN SOLUTION FOR WtE BOILER

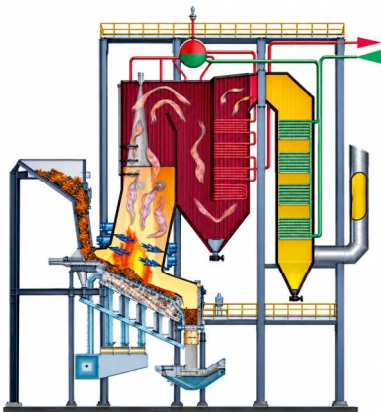
MARTIN Technologies Private Limited offers state-of-the-art Waste-to-Energy boilers based on MARTIN GmbH's proprietary and proven German technology, industrialized in Asia to deliver high efficiency, reliability, and value for money.

**SPECIAL UNCOOLED FURNACE SOLUTION
FOR LOW CALORIFIC VALUE FUEL**

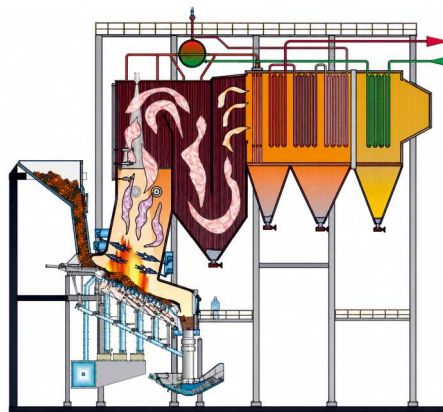


KEY FEATURES

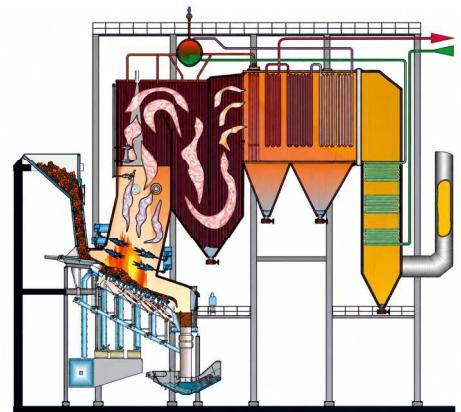
- Boiler designed as per ASME / IBR / EN / Equivalent international standards
- Standard boiler parameters to achieve optimum plant efficiency and longer availability
- Steam pressure of 40- 65 bar and steam temperature of 400 - 430°C based on project requirement
- 2 secs @ 850°C flue gas residence time in furnace to minimise dioxin & furan generation
- SiC refractory for furnace 1st pass to avoid tube corrosion
- Superheaters at 3rd pass with low flue gas temperature to/ protect tubes from corrosion
- Economiser water side bypass / drum coil heater to avoid cold corrosion
- Superior metallurgy and higher thickness for pressure parts to ensure longer availability
- Wider tube spacing & lower flue gas velocity to minimise erosion
- Boiler ash collected at front ash discharger to avoid dioxin regeneration
- Integrated with reverse acting grate (EnviroPower™) specially designed for asian conditions



VERTICAL BOILER
(SCHEMATIC)



HORIZONTAL BOILER
(SCHEMATIC)



HYBRID BOILER
(SCHEMATIC)

Customised solutions as per customer requirements such as horizontal boiler, specific metallurgy etc., are also available from the expertise of MARTIN GmbH.