

Hitachi Zosen
INOVA

Core Products for Improved Plant Performance
Hitachi Zosen Inova



Core Products for Improved Plant Performance



Ram Feeder and Grate Control System 2.0

These enable you to operate a grate in continuous movement mode, with specific modes for different waste. The key benefits are more stable oxygen levels, prevents weld build-up, reduced ammonia usage, less dust and more throughput with the same amount of air.



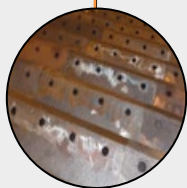
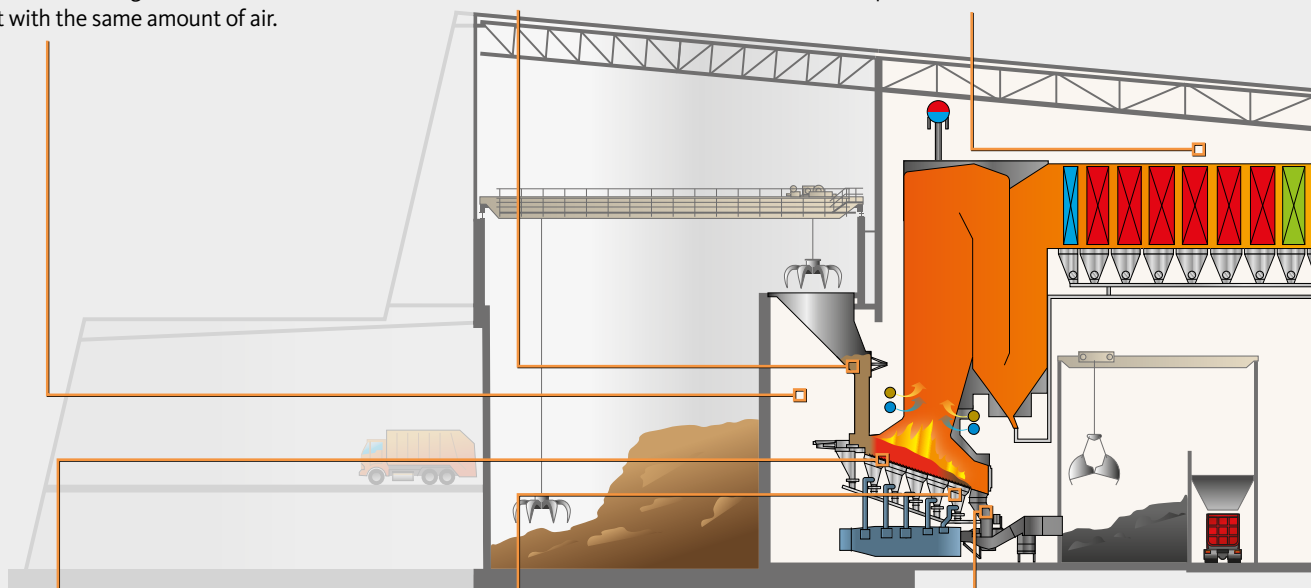
Feed Hopper

This patented, modular feed hopper ensures easy and efficient installation in your existing plant. This means better availability, longer life and easy maintenance.



Pneumatic Boiler Rapping System

The boiler rapping system with carriage is an effective means of cleaning the bundles in the horizontal boiler pass. The rams are easily accessible and easy to replace in case of failure.



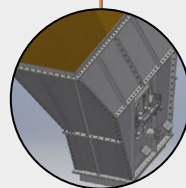
Aquaroll® System

HZI's water-cooled grate bar ensures optimised cooling even with high calorific value waste, significantly reducing thermal wear and thus extending the life of the grate bars. The Aquaroll® bars can be flexibly combined with air-cooled grate bars.



Grate for Riddlings

This solution enables dry extraction of the bottom ash fine fraction and combines advantages of dry and wet bottom ash extraction. The benefits are increased recoverability of valuable non-ferrous metals, a good burnout and reduced water content in the wet bottom ash.



Cladded Bottom Ash Chute

This modular bottom ash chute is made of individual weld cladded plates. Panels can be exchanged individually, thus extending the life and making maintenance easy. Panels are only separated in the vertical direction. All welding seams are outside the abrasive "slag flow".

Your plant is in the best possible hands. Hitachi Zosen Inova is there to support you with outstanding service around your WtE installation.

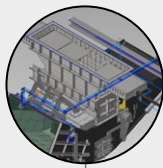
Our work is always geared to four overarching goals:

increased safety – better availability – higher performance – lower emissions



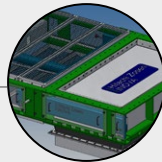
RapTrack Monitoring

Continuous monitoring of the boiler rafter system assures that it operates as intended. This prevents premature and excessive boiler fouling, reduces manual cleaning effort and downtimes and ensures longer boiler campaign durations.



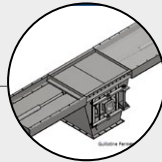
Wet Bottom Ash Offering

We offer different widths and ram lengths and upgrade options. Width options: 1,200/1,600/2,000/2,400 mm; ram lengths: 750/850/1,200 mm.



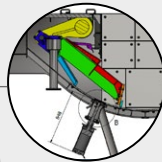
Bottom Ash Gate Valve – Heavy Construction

Allows you to continue plant operation while performing emergency maintenance on the bottom ash extractor.



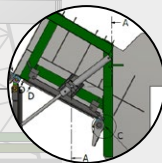
Bottom Ash Gate Valve – Light Construction

Allows you to perform maintenance work safely on the bottom ash extractor.



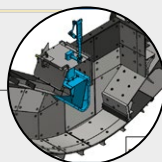
Drain Valve

This allows water to be removed quickly for maintenance work. It also avoids blockages due to waste and pressure from the ram during operation.



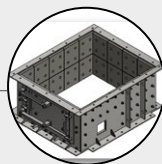
Extractor Jetty Hatch

This speeds up the removal of bulky slag/bottom ash from the extractor, reducing maintenance times.



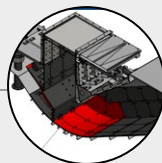
Lifting Vault

This solution makes it possible to release blockages when the bottom ash extractor is stuck.



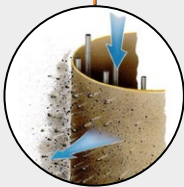
Connector Reinforcement

Armoured plates with special steel extend the life of the connector between the bottom ash chute and extractor. Plates can be changed easily when they are worn out.



Reloaded Inner Sheets

Reinforced plates at the bottom of the extractor make for a longer life.



Filter Cleaning Control Cabinet

This system allows early detection of filter bag failure and complete supervision of the filter bag's status through the whole filter, helping to schedule the change of bags. Other benefits include early detection of a valve failure and differentiation between mechanical and electrical failure.

