



International
Waste Industries

Dual Reactor Waste-To-Energy Thermal Combustion System

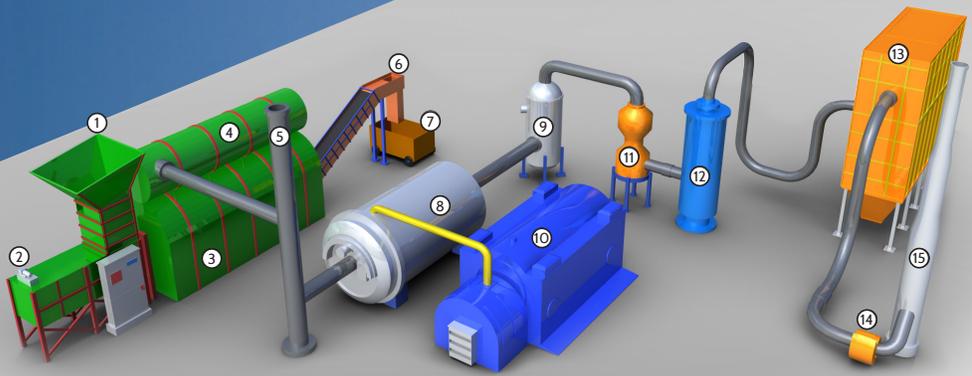
Renewable Energy

Rising energy costs can be offset with an IWI Dual Reactor System when integrated with a heat recovery system. IWI systems offer a proven solution to cost effective waste disposal and renewable energy plants.

Complete combustion of trash and waste is a logical approach to limit cost and liability, but the combustion process must be safe and controlled to meet today's stringent air quality regulations.

Waste Heat Recovery

High temperature flue gases are a practical source from which to transfer energy to steam, hot water, or hot air by using waste heat recovery boilers.



Waste-to-Energy (WTE)

When IWI systems are coupled with a superheated boiler and high efficiency steam turbine it can be readily utilized to convert waste to electricity. Control is the key to effective WTE conversion. IWI heat recovery and renewable energy systems include integrated controls to maintain optimum combustion pressure and temperature - maximizing the efficiency of the WTE process.

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|--------------------|-------------------------------|---------------------|---|-----------------------|
| ① Feed Hopper | ④ Secondary Chamber | ⑦ Ash Cart | ⑩ High Pressure Steam Turbine And Generator | ⑬ Dry Baghouse Filter |
| ② Automatic Loader | ⑤ Emergency Bypass | ⑧ Waste Heat Boiler | ⑪ Venturi Scrubber | ⑭ I.D. Fan |
| ③ Primary Chamber | ⑥ Wet Ash Drag Chain Conveyor | ⑨ Economizer | ⑫ Packed Tower | ⑮ Conditioned Exhaust |

The Benefits

IWI's WTE Systems offer several advantages over conventional waste disposal methods. When environmental considerations are factored in, there simply isn't a better choice.

- ✓ Provides low cost solutions for waste treatment and disposal
- ✓ Converts noxious wastes to renewable energy
- ✓ Eliminates the need for landfilling which in turn reduces methane gas pollution and ground water pollution
- ✓ Fully comply with the most stringent environmental regulations worldwide
- ✓ Are modular and scalable. Each project is sized to accommodate present and future needs.

IWI POWERING THE FUTURE



**IWI Protecting
Our Environment
While Powering
Our Future.**



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