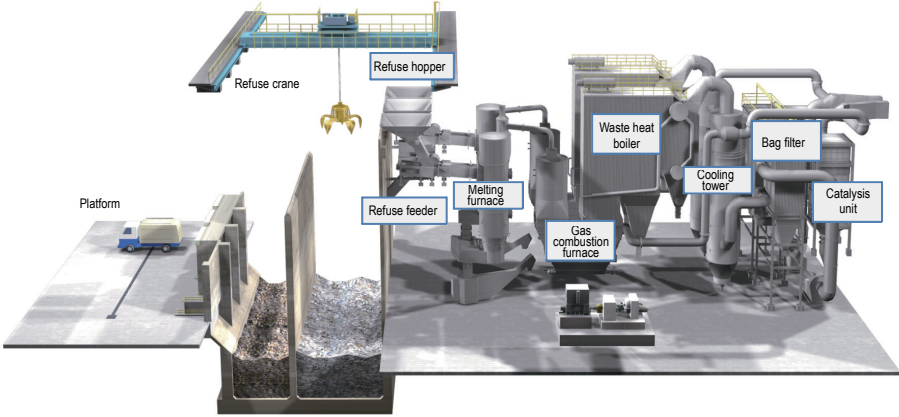


Technical Information Sheet

1. Name of technology	Oxygen type pyrolysis direct waste melting system
2. Type of technology	Waste is burned at a high temperature with high concentration oxygen supplied from the bottom of the gasification furnace and the ash is melted into slag. The high temperature gas moves up in the furnace, is used to pyrolyze and gasify waste, and is completely burned in the gas combustion furnace. From the combustion exhaust gas, heat is recovered by the waste heat boiler and used to generate electricity with a steam turbine.
3. Description of technology	
Objective, application, characteristics, delivery record, and price of technology	<p>[Objective and application of the technology] High concentration oxygen is blown to melt the ash in the waste into slag for recycling and efficiently recover heat from the combustion waste heat in the high calorie pyrolysis gas.</p> <p>[Characteristics of the technology] Using high concentration oxygen, waste is burned and melted into slag and is also pyrolyzed and gasified. High calorie pyrolysis gas can be obtained, enabling high efficiency heat recovery. A shaft furnace is used as the melting furnace.</p>  <p>[Delivery record] 70 tons per day at the Hokushou Hokubu Environment Association, 166 tons per day at the Chubu-kita Environment Facility Association 36 tons per day at Hamamatsu City, 135 tons per day at Nikko City, 212 tons per day at Narita City (under construction), and 3 other organizations</p> <p>[Price and other inquiries] Please contact the office and person in charge below.</p>
4. Classification of technology	
(1) Applicable fields	Municipal solid waste treatment
(2) Target waste	Paper/cardboard, Waste plastic, Plastic bottles, Styrene foam, Food waste/raw garbage
(3) Services provided	Plant construction
5. Countries to which this technology can be provided	Depends upon the specifics.
6. Keywords	Waste treatment, melting, gasification and melting, shaft furnace, oxygen type
7. Contact information	KAWASAKI GIKEN CO., LTD. (Representative) TEL: 092-551-2121 FAX: 092-561-5100 http://www.kawasaki-giken.com