


Technical Information Sheet

1. Name of technology	Kiln-stoker incinerator
2. Type of technology	Hitachi Zosen's kiln-stoker incinerator combines a rotary kiln furnace, which can be used with various types of waste, and a stoker furnace, which has been developed for use with general waste incineration. The facility completed in 2001 achieved high efficiency heat recovery and stable operation by combined incineration of general waste and industrial waste for the first time in Japan and was awarded the President's Award by the Japan Society of Industrial Machinery Manufacturers.
3. Description of technology	
Objective, application, characteristics, delivery record, and price of technology	<p>[Objective and application of the technology] Volume reduction, Detoxification, Odorless, The effective utilization of energy</p> <p>[Characteristics of the technology] The intermediate air intake rotary kiln, which is Hitachi Zosen's own technology, feeds combustion air from the air intake nozzles protruding into the wind box and furnace to the center of the kiln in incremental steps, enabling long-term stable operation.</p>  <p>[Delivery record]</p> <ul style="list-style-type: none"> • 7 facilities(1 facility overseas) <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, Industrial waste treatment, Hazardous waste treatment
(2) Target waste	Paper/cardboard, Waste plastic, Food waste /raw garbage, Construction waste, Waste tires, Medical waste, Waste oil
(3) Services provided	Plant construction
5. Countries to which this technology can be provided	All countries
6. Keywords	Industrial waste treatment, incineration, kiln-stoker incinerator
7. Contact information	Hitachi Zosen Corporation Yoshinori Fujimoto / Engineering Business Division, Technology Research Department URL: http://www.hitachizosen.co.jp/