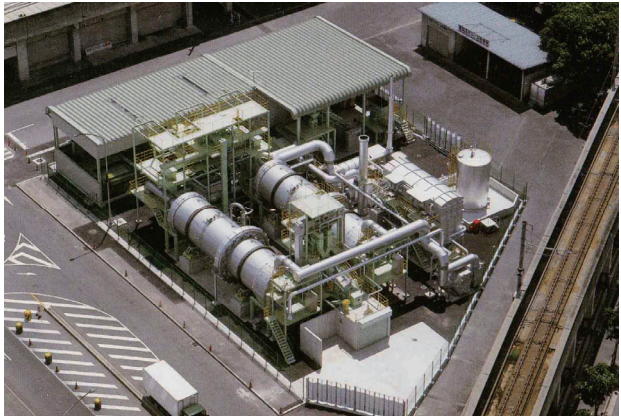


Technical Information Sheet

1. Name of technology	Raw garbage high speed volume reduction system
2. Type of technology	This system was developed for decomposing garbage into carbon dioxide, water, and primary fermented material with aerobic microorganisms, reducing the volume to about one tenth in as short as 1 week to 10 days, and recycling the garbage. This system can be used to treat a large amount of raw garbage, which was thought to be too difficult to process and treat stably, in places where large amounts of plant and animal garbage not suitable for distribution such as vegetables, fruits, and fishes are generated, especially central wholesale markets.
3. Description of technology	<p>[Characteristics of the technology]</p> <ul style="list-style-type: none"> • The rotating drum type fermentation tank rotates to turn over the garbage being treated and the air feeding mechanism blows fermentation air directly into the garbage being treated in the fermentation tank to accelerate aerobic degradation of the garbage. • This system is completely sealed, which enables efficient utilization of thermal energy generated by the fermentation and optimal control of temperature and humidity in the fermentation tank with the hot air feeder. • Most of the discharge from the fermentation tank is sent back into the fermentation tank, enabling stable treatment of garbage that has significantly different properties. <p>[Delivery record]</p> <ul style="list-style-type: none"> • 1 facility in Japan <p>[Price and other inquiries] Please contact the office and person in charge below.</p>
Objective, application, characteristics, delivery record, and price of technology	
4. Classification of technology	
(1) Applicable fields	Municipal solid waste treatment, Industrial waste treatment
(2) Target waste	Food waste/raw garbage
(3) Services provided	Plant construction
5. Countries to which this technology can be provided	All countries
6. Keywords	Garbage, volume reduction, rotating drum
7. Contact information	<p>Hitachi Zosen Corporation Masanori Tsukahara, Global Business, Promotion Department URL: http://www.hitachizosen.co.jp/company/map-osaka.html</p>