


Technical Information Sheet

1. Name of technology	Technology to ferment raw garbage, food waste, and other types of waste to methane and convert residues to compost (bio-recycling facility)
2. Type of technology	This technology is used to ferment organic solids such as raw garbage, food waste, paper, and plant material to methane at a high temperature to generate bio gas and convert residues into compost.
3. Description of technology <hr style="border-top: 1px dashed black;"/> Objective, application, characteristics, delivery record, and price of technology	<p>[Objective and application of the technology] This technology is used to convert raw garbage, food waste, and other types of waste containing organic solids to bio gas and compost.</p> <p>[Characteristics of the technology] Because the methane fermentation tank is a horizontal plug-flow type, waste can be put in the tank with water content of 60 to 85%, after it is crushed into pieces of 30 mm or so.</p>  <p>[Delivery record] Company K (Kyoto) 50 t/d Bio gas 7,800 m³N/d Power generation 620 kW Compost 9.2 t/d</p> <p>[Price and other inquiries] Engineering Planning Department (Tokyo), Planning and Development Center, TAKUMA Co., Ltd. Person in charge: Susumu Uno TEL: 03-5822-7894 (Direct) FAX: 03-5822-7895</p>
4. Classification of technology	<hr style="border-top: 1px dashed black;"/>
(1) Applicable fields	Municipal solid waste treatment, Industrial waste treatment, Recycling (thermal)
(2) Target waste	Paper/cardboard, Food waste/raw garbage, Other
(3) Services provided	Plant construction, Sales of machinery and equipment, Waste treatment service, Technical cooperation/licensing, Environmental impact assessment, Survey/data processing, Other
5. Countries to which this technology can be provided	No limitations have been placed on country or region.
6. Keywords	Bio recycling, bio gas, compost, power generation
7. Contact information	Engineering Planning Department (Tokyo), Planning and Development Center, TAKUMA Co., Ltd. Person in charge: Susumu Uno TEL: 03-5822-7894 (Direct) FAX: 03-5822-7895