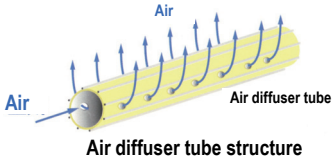
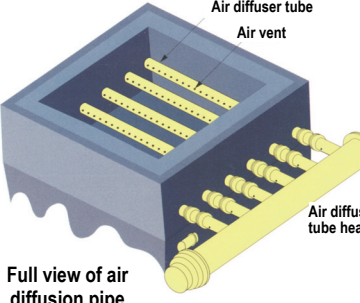
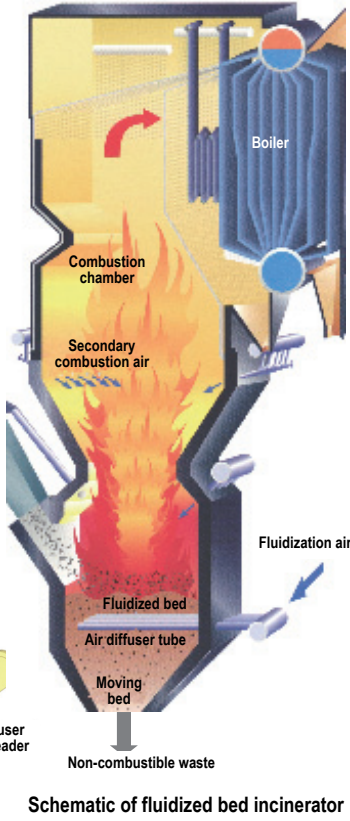
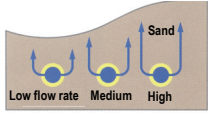


## Technical Information Sheet

<b>1. Name of technology</b>	Fluidized bed incinerator (IHI fluidized bed incinerator)
<b>2. Type of technology</b>	<p>The IHI fluidized bed incinerator is a fluidized bed incinerator with a simple aeration structure and advanced combustion control technology. This incinerator has many characteristics such as its ability to be used with low calorie refuse containing much water (sludge, etc.), its high combustion rate, easy start and shutdown of the furnace, and space saving with a compact furnace.</p> <p>35 years have passed since the first model was delivered. This technology is a mature, well-proven technology with a long history.</p>
<b>3. Description of technology</b>	<p><b>[Objective and application of the technology]</b>                  This incinerator is used for general waste or industrial waste (especially for low calorie refuse) and is mainly used for complete combustion, detoxification, volume reduction, and waste heat recovery of waste.</p> <p><b>[Characteristics of the technology]</b></p> <ol style="list-style-type: none"> <li>(1) The air diffuser, which forms a fluid bed, has a simple structure using air diffuser tubes and does not catch non-combustible waste, enabling stable discharge to outside of the bed. This enables stable continuous operation.</li> <li>(2) The amount of combustion (moving) air can be controlled for each air diffuser tube so that the fluidization status is appropriate in each zone. This enables optimal combustion (fluidization status). (Fluidization control system)</li> <li>(3) This incinerator has high durability with a simple tube structure and does not use consumables, lowering the cost of maintenance.</li> <li>(4) An advanced combustion control system using a neural net enables complete combustion.</li> </ol> <p>Objective, application, characteristics, delivery record, and price of technology</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>Air diffuser tube structure</p> </div> <div style="text-align: center;">  <p>Full view of air diffusion pipe</p> </div> <div style="text-align: center;">  <p>Schematic of fluidized bed incinerator</p> </div> </div> <p><b>[Fluid air control]</b></p>  <p>Fluid air control</p> <p><b>[Delivery record]</b>                  Municipal solid waste treatment facilities and industrial waste treatment facilities: 42</p> <p><b>[Price and other inquiries]</b>                  Ryutaro Murayama, Sales Headquarters                  TEL: 03-3642-8361 FAX: 03-3642-6023</p>
<b>4. Classification of technology</b>	
(1) Applicable fields	Municipal solid waste treatment, Industrial waste treatment, Hazardous waste treatment, Recycling
(2) Target waste	Paper/cardboard, Waste plastic, Food waste/raw garbage, Construction waste, Waste tires, Medical waste, Waste oil, Other
(3) Services provided	Plant construction, Sales of machinery and equipment, Waste treatment service, Technical cooperation/licensing, Consulting, Survey/data processing, Other

<b>5. Countries to which this technology can be provided</b>	(No particular restrictions)
<b>6. Keywords</b>	Fluidization, fluidized bed, incinerator, air diffuser, air diffuser tube, durability, sludge, maintenance, low cost, complete combustion, neural net, combustion control, detoxification, volume reduction, stable operation, low dioxin
<b>7. Contact information</b>	IHI Kankyo Engineering Co., Ltd. Person in charge: Ryutaro Murayama, Sales Headquarters Contact: TEL 03-3642-8361 FAX 03-3642-6023