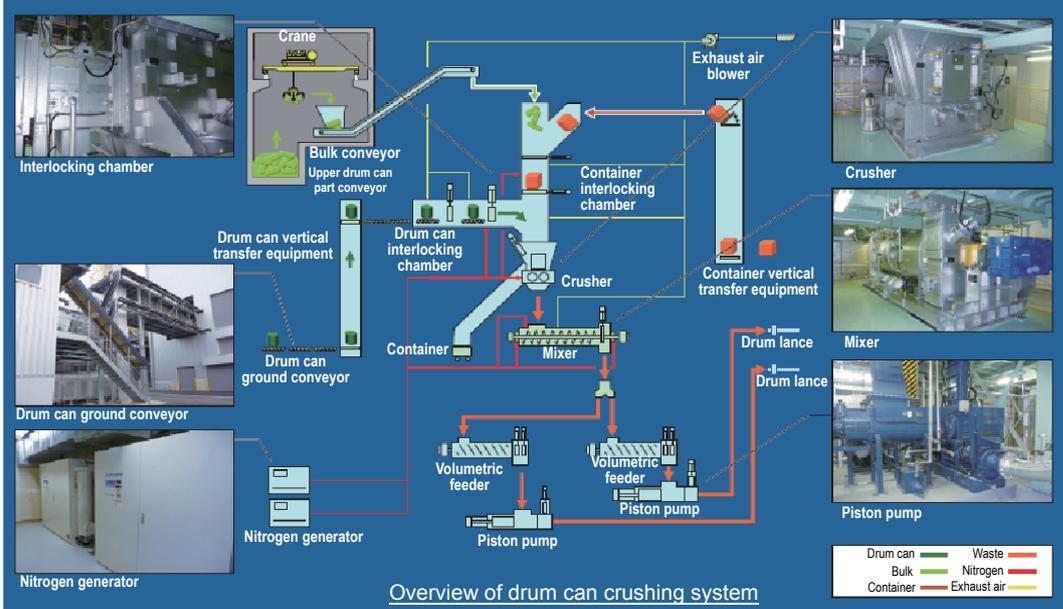


Technical Information Sheet

1. Name of technology	Drum can crushing system
2. Type of technology	In order to pretreat hard-to-treat waste stored in drum cans (such as waste oil, waste paint, and waste liquid) for thermal recycling with an incinerator, the waste is put directly into the system with the drum can lid closed, and is transferred, crushed, kneaded, and pumped to feed the contents to the incinerator.
3. Description of technology	<p>[Objective and application of the technology] This technology is used to automatically feed hard-to-treat waste in drum cans to an incinerator.</p> <p>[Characteristics of the technology] Waste in drum cans may be flammable or odorous, or hard to treat. Opening drum cans one by one, as done conventionally, requires tremendous time and labor, and is dangerous. This system has the following characteristics enabling a large amount of drum can waste to be treated safely at a time.</p> <ol style="list-style-type: none"> (1) The waste is automatically transferred while still in the drum can, crushed, kneaded, and pumped, enabling safe treatment without having to touch the contents of the drum cans. (2) This system is a fully automatic system, enabling a large amount of waste to be treated in a short time. (480 cans per day) (3) In the crushing process, inert gas is injected to lower the oxygen concentration, eliminating the risk of explosion. <div style="display: flex; align-items: flex-start;"> <div style="flex: 1; padding-right: 10px;"> Objective, application, characteristics, delivery record, and price of technology </div> <div style="flex: 3;">  <p style="text-align: center;"><i>Overview of drum can crushing system</i></p> </div> </div> <p>[Delivery record] This system has been delivered to 3 industrial waste treatment facilities in Japan.</p> <p>[Price and other inquiries] Ryutaro Murayama, Sales Headquarters TEL: 03-3642-8361 FAX: 03-3642-6023</p>
4. Classification of technology	
(1) Applicable fields	Industrial waste treatment, Hazardous waste treatment, Recycling (thermal)
(2) Target waste	Paper/cardboard, Waste plastic, Medical waste, Food waste/raw garbage, Construction waste, Waste oil, Other
(3) Services provided	Plant construction, Sales of machinery and equipment, Waste treatment service, Consulting, Survey/data processing, Other

5. Countries to which this technology can be provided	(No particular restrictions)
6. Keywords	Drum can, crushing, kneading, pumping, industrial material, waste oil, waste paint, waste liquid, hard-to-treat waste, automatic feed recycling, pretreatment, medical waste, hazardous waste
7. Contact information	IHI Kankyo Engineering Co., Ltd. Person in charge: Ryutaro Murayama, Sales Headquarters Contact: TEL: 03-3642-8361 FAX: 03-3642-6023