## **Technical Information Sheet**

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1.	Name of technology	Technology that converts garbage into livestock feed and fertilizer (dehydration plant by oil-heated decompression)
2.	Type of technology	This technology is used to dry garbage by using waste food oil as a heat medium under reduced pressure and temperature to reduce the modification of protein and produce good livestock feed.
3.	Description of technology	
		[Objective and application of the technology]
		This system is used to convert garbage into good livestock feed and organic fertilizer.
		[Characteristics of the technology]
		(1) The low-temperature drying provides livestock feed with less modification of protein.
		(2) The oil used as a medium is recycled by squeezing it out of dried solid material.
		(3) The dried solid material is used as organic fertilizer.
		System flow  Material to product Waste food oil Vacuum line Steam
		Condenser vacuum
Ob	jective, application,	pump Steam line Boiler
	aracteristics, delivery	
	ord, and price of hnology	Raw material Press Dehydration plant by oil-heated decompression After rough separation, the solid
	0,	The raw material is dried.
		Raw material hopper
		Backup heating tank Raw material and waste
		food oil is mixed.
		Special oil separator The dehydrated araw material and oil Product hopper
		used as a medium are separated from each other (primary separation).
		[Delivery record]
		13 facilities in Japan
		[Price and other inquiries]
		Please contact the office and person in charge below.
4.	Classification of technology	
(1)	Applicable fields	Municipal solid waste treatment, Other environment protection technology
(2)	Target waste	Food waste/raw garbage
(3)	Services provided	Plant construction
5.	Countries to	
	which this technology can be	Korea, China, Southeast Asia
	provided	
6.	Keywords	Tempura, fried meal, cooker, waste food oil
_	Contoot	MITSUI ENGINEERING & SHIPBUILDING CO., LTD.
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