

Kawasaki Green Innovation Cluster		Member Information	Management Number	Section Number	Company
Business Classification		Solid Waste and Recycling			
Business Field		Development, Manufacturing and Sales of Devices for reduction of Organic waste			
Company/Organization Information	Company Name	日本ミクニヤ株式会社			
	Company Name (EN)	MIKUNIYA Corporation			
	President	TANAKA Hidenori			
	Address	3-25-10 Mizoguchi, Takatsu ward, Kawasaki city, Kanagawa prefecture, Japan			
	Contact	+81-44-82-3928			
	Capital	1 million Japanese Yen (JPY)			
	No. of Employees	172			
	E-mail	info@mikuniya.co.jp			
	Website	http://mikuniya.jp			
	Branches/Agencies	Japan 4 domestic branches and various sales offices Overseas Non			
Business Activities, Messages and Others	Business Activities	We are consultancy company that provides risk consultancy services, mainly environmental risks & disasters risks. We also provide risk consultancy in development, manufacturing and sales of the equipments & products related to our services. We have been involved in this business for 33 years since our company was founded in 1985, with a clear mission of making good use of the limited resource & energy of planet Earth, and promotion of environmental friendly recycling-oriented society.			
	Message/Other	<p>【Overseas】 We are preparing to start sales activities in Vietnam soon. As B to B activities, we are focusing mainly on industrial park water treatment facilities. Regarding B to G activities, we are interested in JICA and JCM schemes.</p> <p>【Domestic】 We began the mass-production of small devices that are oriented for small businesses. We are aiming to contribute to the treatment of food leftovers from school lunches and restaurants.</p>			
	Examples of Services	(Mishimax) is our organic food volume reduction device:			
		<ul style="list-style-type: none"> ○ MK-50 : Treatment capacity → 25 ~ 100 kg/day Oriented for small businesses (e.g. restaurants) ○ MK-200 : Treatment capacity → 100 ~ 500 kg/day Medium size businesses (e.g. medical welfare, water treatment facilities) ○ MK-1000: Treatment capacity → 500 ~ 2000 kg/day Medium to large size businesses (e.g. food/beverage manufacturing) ○ MK-4000: Treatment capacity → more than 2000 kg/day Large size businesses (e.g. large scale food manufacturing) 			

Kawasaki Green Innovation Cluster Service Information		Management Number	Section Number	Company
Business Classification		Solid Waste and Recycling		
Business Field		Development, Manufacturing and Sales of Devices for reduction of Organic waste		
Company Name		日本ミクニヤ株式会社		
Service		Organic food volum reduction device (Mishimax)		
Overview of Services	Features	This product reduces organic waste by up to 90% by using high temperature aerobic fermentation. It's main feature is that it activates the indigenous bacteria inside the fermenter that is filled up with wood chips, creating environmental management characteristic. In addition, because the moisture evaporates by the fermentation heat, we can achieve high reduction ratio. It is also worth mentioning that this product is environment-friendly because it does not use special bacterial cells in its operation.		
	Keywords	Organic waste treatment, high temperature aerobic fermentation, wood chips		
	Reference price	The basic type (small business oriented) is 5.5 million JPY (rental is also possible)		
Overview of Services/ Products	Details of the product's technology	<ul style="list-style-type: none"> ○ MK-50 : Horizontal type (1600×2350×1440) ○ MK-200 : Vertical type (1800×1800×3082) ○ MK-1000: Cylinder type (Radius 4000× height 2000) ○ MK-4000: Pool type (size is custom made depending on the needs) 		
	Technical capabilities	Described in "Examples of Services" part		
	Costs	Running cost (e.g. purchasing wood chips, maintenance fee, replacement parts, maintenance staff, electricity for operation ... etc.)		
	Life span	15 years		
	Notes	<ul style="list-style-type: none"> • Wood chips need to be replaced every 6 months • The environmental management has to be done by our specialist staff 		
	Product's pictures/ illustrations			
Advantages	Achievements	<p>【Patent】 Japanese Patent acquired</p> <p>【Awards】 <ul style="list-style-type: none"> ○ Low CO₂ emission Kawasaki Brand '17 Certification ○ Japan Mechanical Engineering Association, Chugoku & Shikoku Branch Chief Prize - Technical Contribution Award ○ Shimane Environmental Award - Encouragement award </p>		
	Use case (including overseas)	<ul style="list-style-type: none"> • Public sewer & agricultural wastewater treatment facility - Sludge fermentation treatment equipments • Cafeterias and food processing factories - Food leftovers treatment equipment • Water plant outbreak after harvesting - Resource recycling equipment • Reduction of water treatment sludge in industrial park in Vietnam 		