



Kawasaki Green Innovation Cluster Product/ Technology Information		Management Number	Section Number	Company
Business Classification		Air, Soil and Water Business		
Business Field		Manufacture and sale of filtration materials		
Company/Organization Information	Company Name	日本原料株式会社		
	Company Name (EN)	NIHON GENRYO Co., Ltd		
	President	President and Representative Director Yasuhiro Saito		
	Address	1-2, Higashida-cho, Kawasaki-ku, Kawasaki-shi, Kanagawa 210-0005		
	Contact	+81-44-222-5555		
	Capital	98 million JPY		
	No. of Employees	68		
	E-mail	info@genryo.co.jp		
	Website	http://www.genryo.co.jp/en/index.html		
	Branches/ Agencies	Japan: 7 domestic offices (Osaka, Nagoya, Sendai, Fukuoka, Takahagi, Sapporo, Tokyo) and domestic distributors Overseas: overseas distributors		
Business Activities, Messages and Others	Business Activities	<ul style="list-style-type: none"> · Manufacture and sale of filtration materials for water supply · Development, manufacture and sale of various special filtration materials · Manufacture and sales of golf sand, sandblast · Rehabilitation construction of water purification plant, filtration pond · Replacement work of filtration equipment, filtration material · Disaster recovery support activities · Development/design/sales of water treatment equipment · Water treatment plant engineering · Analysis of water quality, analysis and testing of filter media in use 		
	Message/ Other	<p>(Cooperation)</p> <p>■ Our water treatment equipment requires 3 phase 200V power supply. We are looking for eco-friendly generation and storage equipment using natural energy for a collaboration.</p> <p>■ It can be used not only for drinking water use but also sewage treatment. It can also be used for the final treatment of wastewater derived from garbage recycling (effluent standards).</p>		
	Examples of Products	<p>Portable filtration device that does not require exchanging filtration material (MOBILE SIPHON TANK)</p> <p>This product has the advantage that it can filter raw water with high turbidity without causing clogs, as would occur with membrane filtration. Sand filtration water purification device (Processing to the level of potability is possible)</p> <div style="text-align: right;">  </div>		
		http://www.genryo.co.jp/MSI.html		

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Product/ Technology		Mobile water purification device - MOBILE SIPHON TANK		
Overview of Products/Technology	Features	<p>That is a water purification device for producing drinking water from a wide range of water as raw water</p> <ul style="list-style-type: none"> ■ No need to replace filter material with patented "siphon wash" function. This reduces maintenance and management costs. ■ Filtration material is kept in a clean state at all times, water quality is stable and water purification ability are maintained. ■ Because it is portable, it can be moved to areas affected by disasters to support recovery. ■ It functions as a "movable water purification plant" when it is equipped with a generator and peripheral equipment in a truck. 		
	Keywords	Siphon cleaning, filtration material unnecessary, CO ₂ emission reduction, small scale water service, drinking water, multi-disaster		
	Price	9,340,000JPY - 40,350,000JPY (main body only)		
Detail Information about Product/Technology	Details	<p>Unit type includes siphon tank, chemical injection device (coagulant, disinfectant), pre-plumbing, control panel</p> <ul style="list-style-type: none"> ※ Uses 3 phase 200V power supply ※ It is not possible to process raw water or sea water containing heavy metals etc. 		
	Capabilities	<p>Lineup: 9 types 11 models from φ 260 to φ 2200</p> <p>Throughput: 12 m³/day to 870 m³/day</p> <p>The filter uses high performance filtration material. Processing is possible even with raw water turbidity of around 150 NTU.</p>		
	Cost	Transportation costs, trial operation/adjustment fee, supervisor's guidance expenses occur		
	Life cycle	Machine equipment: 15 years, filtering material: 30 years		
	Remarks	<ul style="list-style-type: none"> ■ It requires water quality confirmation in advance. <p>Education and training will be implemented at the time of introduction; this equipment is to be operated by a trained operation manager</p>		
	Pictures relating to products and technologies			
Advantages	Patent and award history	<ul style="list-style-type: none"> ◆ International patent (Siphon wash, Siphon tank etc) ◆ FY2013 Spring Yellow Ribbon Medal ◆ FY2007 Prize of Minister of Education, Culture, Sports, Science and Technology Prize ◆ FY2005 Nationwide Invention Awards - Special Award ◆ Kawasaki Manufacturing brand certification ◆ Low CO₂ Kawasaki brand certification 		
	Examples of use (Domestic and overseas)	<p>2013 ODA Grant Aid for Environment (Laos Democratic People's Republic)</p> <p>2013 ODA Non-Project Grant Aid (Vietnam Socialist Republic)</p> <p>2013 JICA Feasibility Study (Republic of Mozambique)</p> <p>2013 JICA Verification Project (Republic of the Philippines)</p> <p>Domestic small scale water business entity water purification facility</p> <p>Water and wastewater treatment facilities for domestic/foreign private factories</p>		