One of the largest recycling factories in Shizuoka

One of the largest recycling factories in Shizuoka was founded in Nishi-ku Hamamatsu city in October 2012. Various waste from companies and households is treated and recycled by its fully equipped facilities.

- Site Area: approx. 8,250 m²
- Storage Capacity: approx. 15,000 m³
- Maximum Mixed Waste Treatment Capacity: 967.0t par day

Facilities

- General purpose crusher
- 160t compress machine
- 500t cutting machine
- Screening machine
- Automated sorting machine
- Rubble crusher
- Glass crusher
- Roof tiles crusher
- Tatami mats crusher
- Fluorescent tubes processor
- Plasterboard separator
- Two RPF making machines
- Hand sorting line
### Factory Equipment

#### Sorting machine
Automated sorting machine
Gathered at the first carrying site, waste is broadly sorted and mechanically screened as large or small. This sorting machine classifies them further by their material.

#### Cutting machine
500t cutting machine
Cutting up various waste such as plastics, paper, woods, metals, glass, ceramics, fibers and rubble.

#### Compress machine
160t compress machine
Compressing various waste such as plastics, paper, woods, metals and fibers.

#### Processing machine
Fluorescent tubes processor
Fluorescent tubes were classified as mercury or glass to be reused.

#### Processing machine
Plasterboard separator
Divided into paper and plaster, where plaster is recycled into soil conditioners, potteries and plant pots, paper is a solid fuel.

#### Making machine
RPF making machine
Refuse paper & plastic fuel is made from mechanical crushed waste. RPF is a solid fuel and is used at green houses and more.

#### Crusher
Tatami mats crusher
A crusher for Tatami mats. Crushed and processed tatami were moved to an RPF making machine and recycled as solid fuel.

#### Crusher
General purpose crusher
Fermenting wood chips are recycled as fertilizer and fuel chips. This machine can also crush a great variety of waste.

#### Crusher
Glass crusher
The finely crushed glass is recycled and reused as an interior or accessory.

#### Crusher
Roof tiles crusher
Finely crushed roof tiles are recycled into horticulture materials such as pots and water retaining materials.

#### Crusher
Rubble crusher
Recycled as high quality materials.
We have a variety of trucks, from small to heavy loaders.

1. 2-ton truck
   Max. loading capacity: 2000kg
2. Truck with crane
   Max. loading capacity 7100kg
3. Removable container trucks
   Max. loading capacity 11300kg
4. Trailer
   Max. loading capacity 11300kg
5. Trex
   Max. loading capacity 10900kg
Our new project is beginning.

**Intermediate treatment**

- Intermediate treatment 150 m³ per day
- Plastics, paper, wood chips, fibers, metals, glass, ceramics and plasterboard

**Extra Cost**

- Outsourcing to other companies Recycling 60%
- Final disposal (Incineration/Landfill) 40%

**Farmers having the ability to produce high quality crops**

- Greenhouse cultivation: Mandarin oranges, melons, flowers, tomatoes and strawberries

**Soaring fuel prices**

- Decrease in profit: Many farmers stop or halt greenhouse cultivation

**Plan for an Agricultural Project**

We propose new agricultural technology and offer to maintain agricultural materials and air-conditioners for greenhouses as well as supplying fuel.
We propose to revitalize agriculture by the effective utilization of RDF, which previously had low sales and generated low profit.

- We can lower the cost of the fuel supply for our agricultural project because our vast farming land allows us to shift to bio gas energy easily.
- Lower transportation cost by cooperation with local farmers
- Revitalization of local agriculture (Improving profitability)

GHP means Gas Heat Pump