

**Company name : Shinko Tecnos Co.,Ltd**

**Representative name : Mamoru Kimura / Mr.**

**Business field:** Description: Manufacture and sale of waste recycling plant

**Field of specialty:** Waste recycle

**Technology / Product / Service PR Item No.1**

**[Category / name] Hydrothermal treatment machine**

**[Characteristics, performance and applicable areas]**

Hydrothermal treatment machine change waste into valuable product. Loading waste into pressure vessel and inject high pressure/high temperature steam. After short time, germ free solid fuel, compost, animal feed and etc, can produce.

<Treatment object>

- MSW(including plastics)
- Sewage sludge
- Livestock manure
- And more...
- Activated sludge from food factory
- Radioactive contaminated rubble



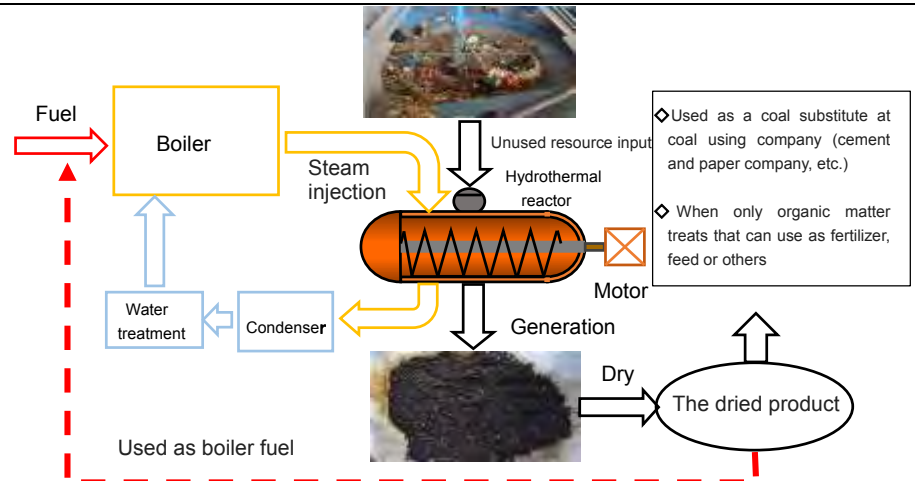
<Features of the device>

- After treatment, product can use as fuel, component, animal feed
- High thermal efficiency, economical
- Short time treatment (one batch 2.5 - 3.5 hours)
- Operation can be set according to the object
- Bad odor does not occur due to the closed structure
- Easy maintenance, inspection and operation management

**[Appeal points]**

Hydrothermal treatment machine can be used for various types of unused resources (waste).

Product can use for fuel of machine and reduces running costs.



**[Types of businesses interested in Indonesia in the future]**

- A: Export and sale of products
- B: Local manufacturing of products (at its own factory, factory of cooperating company or other)
- C: Seeking business partners for technical matters, etc. (including joint research)
- D: Seeking information sources (local business coordinator/advisor)
- E: Other (description required)

**[Detailed description of business expecting to the potentials in Indonesia]**

Sales, Installation, Assembly, Commissioning of products

**[Business type/line of company/organization that are targeted as possible business partner(s)]**

Industrial waste disposal contractor, Barn, Pig farm, Poultry house, Food processing company, Fertilizer company, Cement company, Paper company

**[Record of Installation / Actual Performance]** (Use Application)

Food residue treatment ,Sludge treatment, MSW treatment

**[In Japan]** 8 units, for research use at university, fertilizer manufacturing at fertilizer company **[Overseas]** 5 units, fuel manufacture from municipal waste, fertilizer manufacturing, research at university

Main owned patent

Main awards received

**Technology / Product / Service PR Item No.2****[Category / name]** Plastic to oil machine**[Characteristics, performance and applicable areas]**

Plastic to oil machine thermally decomposes plastics and crude oil derived products to produce liquid fuels. By using the catalyst, it is possible to produce high quality and low tar content of light oil and heavy oil.

## &lt;Features&gt;

- Plastic to oil machine can available various field. For example waste plastics, waste tires, waste fishing net, medical waste and pre-treatment for collecting precious metals from mobile phone.
- Because of anoxia treatment, we can suppress generating of chlorine-based toxic substances and other halogen-based toxic substance.
- High safety is realized by introducing emergency automatic stop system, forced cooling system, off gas combustion system.

Resin name	Cipher	Specific gravity	Use	Compatibility
Polypropylene	PP	0.9	Building materials, Machine case, etc	◎
Polyester	PS	1.04	Transparent kitchenware, TV flame, etc	◎
Polyethylene	PE	0.918	Packaging material, etc	◎
A B S resin	ABS	1.03~1.07	Helmet, Vacuum cleaner, Washing machine, Car interior etc	◎ Measure of off gas
Polyurethane	PUR	1.02	Furniture(desk · chair) etc	△ Poor oil conversion rate
Polyvinylchloride	PVC	1.23~1.45	Insulation tape, Electrical wire, Floor tile, Hose ,Recorder, etc	×○ Measure of DOX
F R P	FRP	1.65~1.80	Electrical(switch · bush)Toilet, Furniture, Building materials,etc	△ Fiber removal

**[Appeal Points]**

Our equipment can process any condition waste plastics and can handle a wide variety of raw materials including PVC.

In addition, because it adopts a special gas cooling system. So the oil conversion rate is higher than usual plastic to oil machine.

**[Types of businesses interested in Indonesia in the future]**

- A: Export and sale of products B: Local manufacturing of products (at its own factory, factory of cooperating company or other)  
 C: Seeking business partners for technical matters, etc. (including joint research)  
 D: Seeking information sources (local business coordinator/advisor) E: Other (description required)

**[Detailed description of business expecting to the potentials in Indonesia]**

Sales, Installation, Assembly, Commissioning of products

**[Business type/line of company/organization that are targeted as possible business partner(s)]**

Industrial waste disposer company, Plastic product manufacturer company, Rubber processing company, Waste oil recovery company

**[Record of Installation / Actual Performance]** (Use Application)

**[In Japan]** 16 units, oil production, experiment at university, precious metal recovery pretreatment  
**[Overseas]** 4 units, research at university, oil production

Main proprietary patents

Main awards received

**Other Special Mentions**

PT. Shinko Technic Indonesia established in June 2014  
 Shinko Technic Indonesia is carbonizing general waste and we own carbonization facility.

**Company Profile**

Company name (in English): Shinko Tecnos Co.,Ltd (in Japanese): 株式会社 伸光テクノス

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Whether direct contacts from Indonesian companies can be made or not:

Tel : Yes (language to be used  Japanese  English  Bahasa Indonesia  Other(specify))  No

Mail : Yes (language to be used  Japanese  English  Bahasa Indonesia  Other(specify))  No

Department to contact

(Title)

(Name)

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Business activities that have been conducted in Indonesia: (Launching Date: )

A: Export and sale of products  B: Local manufacturing of products (at its own factory, factory of cooperating company or other)

C: Seeking a business partner for technological matters, etc. (including joint research)

D: Seeking an information source (local business coordinator/advisor)  E: Other (description required)  F: None

Space for describing other business: