waste-to-fuel$

Korean Trip
Review of Pyrolysis Technology

Waste Plastics to Energy/Steam
Waste Tires to Fuel
Waste Plastics to Fuel

Pyrolysis

- Pyrolysis is the chemical decomposition of organic materials by heating in the absence of oxygen.
- Anhydrous pyrolysis can also be used to produce liquid fuel similar to diesel from plastic waste.
- In many industrial applications, the process is done under pressure and at operating temperatures above 430 ℃ (806 ℉).

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Waste Plastics to Energy/Steam

풍요로운녹색의
환경을 깨끗하게
보성군

연소가스정화장치

waste-to-fuel$

Waste Tires to Fuel

경 유
휘발유
벤트

waste-to-fuel$

Waste Plastics to Fuel

CC-110

금 연

정제 석유급
정제 회발유급

The Latest Progress in Waste-to-Fuel Technology

***High Molecular Pyrolysis System**

- Low temperature, low oxygen process
- Minimal CO_2 footprint
- Output gas reused as fuel
- Continuous running
- Highly efficient

*Patented

Output:
Fuel oils/Gas
& recyclable char

Taking Recycling to a New Dimension.

RecycleTech's New Reverse Vending Machines will promote recycling at the "Entry Level" like no other has done before.

RV-400
Reverse Vending Machine

- Automatic Material Sorter / Crusher
- Volume Reduction of up to 1/12
- LCD screen for messaging
- Reward System with Card Reader

RECYCLETECH 201-475-5000 www.recycletechno.com

Waste Plastic to Oil Firms

Company	Headquarters	Commercially Available	Web Site
Agri-Plas, Inc.	Brooks, OR	TBD	www.agriplasinc.com
Anhui Oursun Environmental Technologies	Hefei, China	Yes	www.oursunchina.com
Changing World Technologies	West Hempstead, NY	Yes	www.changingworldtech.com
Climax Global Energy, Inc.	Fairfax, SC	Yes	n/a
Clyvia Technology GmbH	Wegberg-Wildenrath, Germany	Yes	www.clyvia-tec.com
Cynar Plc	London, UK	Yes	www.cynarplc.com
Dpoly Systems	Raleigh, NC	TBD	www.dpoly.com
Eicoh Co. Ltd.	Tokyo, Japan	Yes	www.eicoh.com
Envion	Washington DC	Yes	www.envion.com
Global Resource Corp.	Mount Laurel, NJ	TBD	www.globalresourcecorp.com
Infinity Energy, Inc.	Engelwood, CO	Yes	www.infinityenergy.net
P-Fuel, Ltd.	Hawthorne, Australia	Yes	www.p-fuel.com
Plas2Fuel	Tigard, OR	Q4, 2010	www.plas2fuel.com
Plastic2Oil (JBI, Inc.)	Niagara Falls, NY	TBD	www.plastic2oil.com
Polyflow, LLC	Akron, OH	Q4, 2010	www.polyflowcorp.com
Polymer Energy, LLC	Minneapolis, MN	Yes	www.polymerenergy.com
Recycle Tech	Elmwood Park, NJ	Yes	www.recycletechno.com

Source: Resource-Recycling Magazine

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