

Contributes to the reduction of fuel costs and CO₂ emissions.

It is an excellent environmentally friendly product that simultaneously reduces fuel costs and CO₂ emissions.

gas oil

heavy oil

Simple installation

Short-term amortization is possible.

No maintenance required

The service life approximately 18 years



Japanese Technology

Patented in 20 countries including Japan. In the South China region, our equipment has already been delivered to more than 300 companies.

FUEL REFORMER
EXERGY



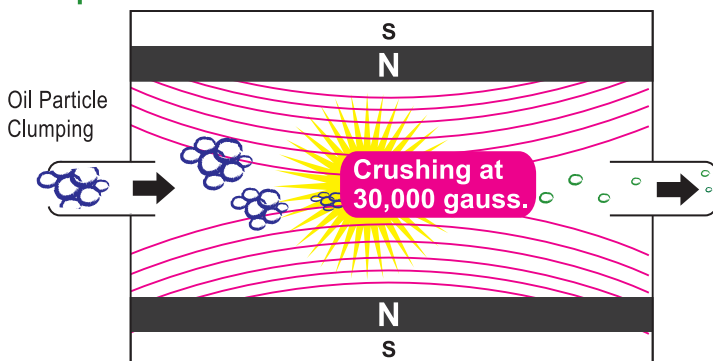
**B fuel oil in China has successfully reduced fuel costs by about 20%.
At the same time, CO₂ was also reduced by about 20%.**

The function of our device is not to filter fuel like a filter.

It is to completely burn the fuel by pulverizing the large nonflammable oil particles in the fuel into small particles. This allows for the complete combustion of fuel that would otherwise be released into the atmosphere as soot and dust.

When the combined oil particles are 100 microns or larger, they settle in the piping and some go to the combustion chamber, where they cannot be burned and become dust soot.

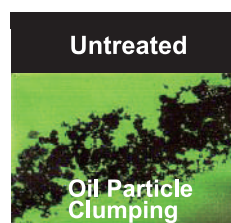
Ultra-strong repulsive force crushes clumps of oil particles.



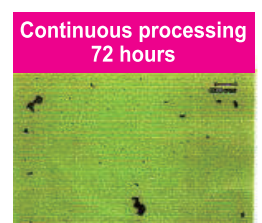
- The finer oil particles combine with oxygen to increase combustion efficiency and reduce fuel consumption.
- As combustion approaches 100%, oil particles that cannot be burned are emitted as black smoke or PM decreases.
- The residual of incorporated oxygen is reduced, and the compounds NOx (nitrogen oxides) and SOx (sulfur oxides) are reduced.

*PM is a solid or liquid component contained in black smoke and other emissions.

- ◆ Oil particles of 100 microns or more are reduced to 30 microns or less through continuous circulation treatment.
- ◆ Oil particles burn completely at less than 30 microns.



*Chinese oil (heavy oil)



Complete combustion reduces CO₂ and SO₂ remarkably!

It is easy to install and has a service life of approximately 18 years. No maintenance or replacement of parts is required.

EXERGY
After installation



Taken two weeks later.

Black smoke has been greatly reduced and complete combustion has begun.

※月山工場 (Chinese company)

EFFECT

The reduction in fuel consumption reduces the same percentage of CO₂. For a plant with an annual fuel consumption of 1,000 tones, the fuel consumption is reduced to 900 tones.

A reduction of 100 metric tons of fuel oil per year will reduce the CO₂ produced by 100 metric tons to zero.

| Company Name | Annual fuel consumption | Reduction | Fuel Reduction | Annual CO ₂ reduction |
|---------------|-------------------------|-----------|----------------|----------------------------------|
| Omron | 5, 400 K L | 15 % | 810 K L | 2, 125 t |
| Showa Plastic | 1, 450 K L | 17 % | 246 K L | 645 t |
| Fuji Electric | 830 K L | 20 % | 166 K L | 435 t |
| Bridgestone | 360 K L | 25 % | 90 K L | 197 t |

Japanese-affiliated factories in South China / Example of annual reduction (Fuel Oil A)

Model number and installation method will be designed after checking the site.

Introduction Field

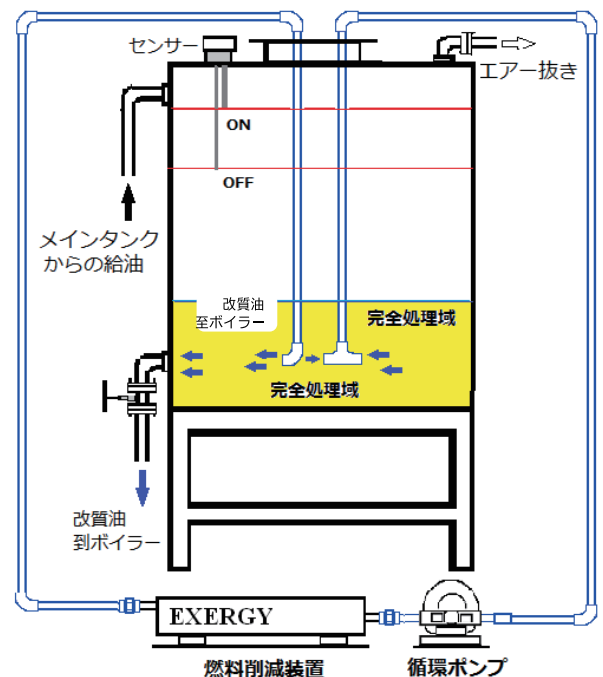
Generators, Boilers, Combustion furnaces, Trucks, Construction heavy equipment, Cranes, Ships, Kitchens, etc.

Installation example

| Model No. | Amount used/day | over-all length | Bore size |
|-----------|-----------------|-----------------|-----------|
| EX100 | ~1000 ℓ | 620mm | 3/4" |
| EX300 | 1000~2000 ℓ | 700mm | 3/4" |
| EX500 | 2000~4000 ℓ | 800mm | 3/4" |
| EX800 | 4000~6000 ℓ | 900mm | 1" |

Required Information

- Monthly operating days ■Daily fuel consumption
- Monthly fuel consumption ■Oil type ■Fuel unit price
- Main tank capacity ■Day tank (small oil can) availability, etc.



Examples of installation (Japanese companies in China)



Delivery record (Japanese companies in China)

Ricoh / YKK / Toshiba / Toray 2 plant / Brother Industries / Mandom / Meiji Dairies / Uniden / Yuasa Battery / Xerox / Seiko / Epson
Mitsumi Electric / Seiko Electronics / Four Sanyo Group Companies / Toyo-Wanwa / Nisshin Kogyo / Arai Rubber / Yamashita Rubber
Kanematsu Group / Takagi Auto Parts / Sankyo Seimitsu / 2 companies of Sumiden Group / 2 plants of Takahata Seiko / Shikoku Electric Wire Co.
Nippon Seisen, Bando Electric Wire, Nidec, Shibakawa Denshi, Morito Jitsugyo, Hosiden, etc.