

USED BIODIESEL PLANT FOR SALE



**Capacity 10000 to 25000
litres per day**

April 2025

GLOBAL ALLIANCE GROUP LTD

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Used Biodiesel Plant

For Sale

Greetings,

We are pleased to present a used Biodiesel Plant with Capacity 10000 to 25000 liters per day Used. This Biodiesel Plant was made by a UK Biodiesel specialist equipment company in 2012 and shut down in 2021. The plant's capacity is 10,000 liters per 8-hour day and up to 25,000 liters per day if it is run for 24 hours.

It has been used to process used sunflower and palm oil as feedstock to make Biodiesel fuel suitable for compression ignition (Diesel) engines.

Equipment includes:

- Separators X 3
- Reactors X 2
- Ionisers X 2
- Oil preparation vessels X 2
- Methanol preparation vessel X 1
- Tank for biodiesel X 1

The plant is in Europe now and below are some basic information about Biodiesel product, and we can provide the comprehensive details and datasheet of the offer upon your request.

Please feel free to reach out if you have any inquiries.

Sincerely,

Global Alliance Group Ltd
Sales Team
Sales Department

“We consistently strive to deliver and ensure the highest quality of products and services to our clients”



Biodiesel Plant

Biodiesel - General Information

Biodiesel is technically defined as a fuel that can be utilized in compression ignition (diesel) engines. It consists of fatty acid Monoalkyl Esters sourced from biologically produced oils or fats, such as vegetable oils, animal fats, and microalgal oils.

This alternative fuel can be produced through a straightforward chemical process using waste vegetable oil. It is compatible with any diesel engine, whether used on its own or blended with petroleum diesel in any proportion.

As an environmentally friendly fuel, biodiesel does not add to carbon dioxide (CO₂) emissions and significantly lowers engine emissions. It is also non-toxic and biodegradable.

Additionally, biodiesel offers superior lubricity compared to petroleum diesel, which can help extend the lifespan of engines.

Biodiesel Advantages

- Renewable - vegetable oil derived
- Dramatically reduced emissions
- Carbon Neutral
- Biodegradable
- Non-toxic
- Less Noxious - Fuel & Exhaust Emissions
- Used directly in unmodified diesel engine
- Biodegradable
- Higher Lubricity - can prolong engine life
- High flashpoint - safer to store & transport
- Simple to make
- Used neat or blended in any ratio with petroleum diesel

Biodiesel Disadvantages

- Limited Availability - There are only a handful of outlets and manufacturers. Major fuel companies have yet to invest in or explore innovative biofuel technologies like algal oil and biologically produced fuels.
- Low-Quality Biodiesel - Poorly produced biodiesel can lead to engine issues.
- Safety Concerns - Making biodiesel without the right equipment and safety measures can pose risks. (For more information, refer to the HSE publication on domestic biodiesel production: <http://www.hse.gov.uk/pubns/biodiesel.htm>)
- Environmental Impact - Unsustainably sourced biodiesel has negatively affected the eco-friendly reputation of biofuels. This includes situations where rainforests have been cleared for biofuel crops or agricultural land has been repurposed for biofuel production. (The Biofuel Systems Group advocates for sustainable biofuel practices, such as producing biodiesel from used cooking oil, and we actively discourage unsustainable biofuel production.)

Biodiesel - Clean, Green Fuel

- Renewable - Biodiesel is produced from vegetable oil, which is cultivated as a sustainable resource that will not deplete. In contrast, petroleum diesel comes from crude oil, a limited resource that will eventually be exhausted.
- Carbon Neutral - The use of biodiesel does not contribute to an increase in atmospheric CO2 levels. The plants used to produce the oil absorb CO2 during their growth. When biodiesel is combusted, the CO2 is released back into the atmosphere.
- Less harmful and non-toxic - Biodiesel is free from the unpleasant smell associated with petroleum diesel, and its exhaust has a scent reminiscent of a barbecue! Users can anticipate nearly complete elimination of sulfur dioxide (SO2), a 40-60% decrease in soot and particulates, a 10-50% reduction in carbon monoxide, and a significant drop in all polycyclic aromatic hydrocarbons (PAHs) - with reductions of 97% for phenanthrene, 56% for benzo fluoranthene, 71% for benzo[a]pyrene, and 13% for aldehydes and aromatics.
- Additionally, biodiesel is biodegradable, unlike petroleum diesel.

Other Biodiesel Advantages

- Easy to make and can be made from used vegetable oil.
- Considered non-hazardous due to its non-toxic nature and high flash point.
- Offers more efficient combustion compared to petroleum diesel.
- Its significantly greater lubricity helps minimize engine wear, thereby extending the engine's lifespan.

Kindly indicate your interest regarding pricing and additional information.

With Many Thanks

Sales Team

For Global Alliance group Ltd