

Diesel Manufacturing Plant

Biodiesel production is the process of producing the biofuel, biodiesel, through the chemical reactions of transesterification and esterification. This involves vegetable or animal fats and oils being reacted with short-chain alcohols.

Our Technology :

Green diesel is produced through hydrocracking (a catalytic cracking process at high temperature and pressure in the presence of added hydrogen) or hydrogenation (a catalyzed surfactant chemical reaction with molecular hydrogen).

Green Diesel Production:

Hydrocracking:

A process that breaks down larger molecules into smaller ones using high temperature and pressure, along with added hydrogen. This method is effective in converting a wide range of feedstocks, including those not suitable for traditional biodiesel production, into high-quality diesel.

Hydrogenation:

Involves adding hydrogen to the feedstock in the presence of a catalyst. This process saturates the molecules, leading to the production of a stable and high-quality diesel fuel.

Advantages of Our Technology:

Versatility: Capable of processing various feedstocks, including low-quality and waste oils.

Efficiency: High conversion rates due to advanced catalytic processes.

Sustainability: Reduces dependence on fossil fuels and lowers greenhouse gas emissions.

Diesel Manufacturing Plant



Technical Factsheet

12000 Litre Diesel Manufacturing Plant

Model	AG- DMP-12000-L
Plant Capacity	12,000 Litres /Day
Product Name	Diesel Manufacturing Plant
Area of Application	Commercial / Industrial / Residential
Control Panel	Modular Control Panel
Power	30,000 Watt / 30Kw
Rated Frequency	50 Hz
Output Voltage	115 – 240 V
Phase No	Single Phase / 3 Phase
Water Storage Tank	6,500 Litres
Diesel Input Storage Tank	6,500 Litres
Final Output	12,000 Litres
Processing	Water Purification , Surfactant Dosing, Mixing and Blending,
Additive /Surfactant	Supplied by Manufacture Only
Operating Temperature	Ambient Temperature
Excitation Mode	Self-excitation & constant voltage (AVR)
Power-up System	Grid Power
Product Origin	Malaysia
Length [mm]	10000
Width [mm]	6000
Height [mm]	2000
Noise Level	< 85 dB (A)
Total Weight (pc)	1,950 Kilogram
Body & Base Type	Galvanized
Direct / Indirect Material Cost	USD 0.20 Cent / Litre
Packing Standard	1 Unit / Wooden Casing
20 FCL Container Load	1 Unit
Maintenance Type	Visual Inspection & Electrical Functional Test
Operating Instruction	Machine Operating Instruction
Product Safety	TUV/GS

Technical Factsheet

24000 Litre Diesel Manufacturing Plant

Model	AG- DMP-24000-L
Plant Capacity	24,000 Litres /Day
Product Name	Diesel Manufacturing Plant
Area of Application	Commercial / Industrial / Residential
Control Panel	Modular Control Panel
Power	75,000 Watt / 75Kw
Rated Frequency	50 Hz
Output Voltage	115 – 240 V
Phase No	Single Phase / 3 Phase
Water Storage Tank	12,500 Litres
Diesel Input Storage Tank	12,500 Litres
Final Output	24,000 Litres /Day
Processing	Water Purification , Surfactant Dosing, Mixing and Blending,
Additive /Surfactant	Supplied by Manufacture Only
Operating Temperature	Ambient Temperature
Excitation Mode	Self-excitation & constant voltage (AVR)
Power-up System	Grid Power
Product Origin	Malaysia
Length [mm]	15000
Width [mm]	8000
Height [mm]	2000
Noise Level	< 85 dB (A)
Total Weight (pc)	3,850 Kilogram
Body & Base Type	Galvanized
Direct / Indirect Material Cost	USD 0.20 Cent / Litre
Packing Standard	1 Unit / Wooden Casing
20 FCL Container Load	1 Unit
Maintenance Type	Visual Inspection & Electrical Functional Test
Operating Instruction	Machine Operating Instruction
Product Safety	TUV/GS