

Table Top Diesel Processor BB20

biobotTM
Bio Diesel Processors



Designed for home or business use.

Ideal fundraising/teaching aid for Schools & Universities

In just a few simple to operate stages, you can now make 20 litres of environmentally friendly bio diesel for use in most diesel vehicles, without any modifications.

The BB20 processor is a small, portable processor designed to be used on a table top, work bench and can be conveniently tucked away after use. It is an ideal low cost, entry level model, allowing you to make a small, manageable batch of bio diesel.

No electric motor required! The BB20 deploys a unique, hand operated agitation mechanism, allowing thorough mixing of the chemicals and oil.

When used in a hot climate, the processor can use solar energy to heat the oil, eliminating the need for any electrical power making it ultra green and ideal for remote locations.

Chemicals are added in a safe, closed method, avoiding unnecessary tipping or pouring.

Using the self-sealing quick release connectors on the processor, the built in water wash spray mister is connected to a pressure vessel and provides a convenient, in expensive way of water washing the bio diesel without the need of hose pipes or permanent water supplies.

As an alternative to water washing the bio diesel, an optional "Dry Wash" Ion exchange tower can be simply clicked into place, allowing the bio diesel to be rapidly purified and ready to use.

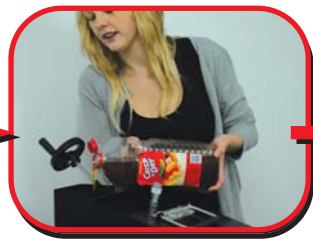
- 20 Litres per batch
- Small & Portable
- Simple Hand Operated Agitation (no electric motor)
- Built in water wash
- High speed oil heating
- 10 micron final filter

Bio Diesel made simple

Simple and easy stages to produce high quality bio diesel:



Position processor on work surface.



Fill with waste vegetable oil.



Turn on heater- Red light indicates heating process is on



Regularly agitate oil during heat process



When Red light goes off, check oil temperature. Turn off heater.



Test Oil- simple titration test provided with processor.



Mix methoxide and add to processor



Agitate mix, while methoxide is being added.



After standing, Drain off glycerine from tap.



Water Wash Pump water filled vessel and connect to spray mister. Leave, drain off water. Repeat until clear. Re-heat Bio diesel to dry.



or

Dry Wash (optional) Connect dry wash tower. Open tap allow filtered bio to pass through.



Transfer to dispense container and fill car!



Accessories Included (as shown in picture)

Titration test, safety kit, methoxide/water transfer pump, filter and operation & safety manual.

Options Available

Dry wash Ion exchange tower, Top Solar reflector panels for heat collection. Methanol & Methylate pumps.

Other accessories which can be purchased are: Resin refills, titration chemicals, sodium hydroxide, potassium hydroxide.

- Net Weight: 17Kg
- Dimensions: 50cm(L) x 25cm(W) x 60cm(H)
- AC Operation 240V

BioBot - available from:

- TEL - +44 (0)1753 682000
- FAX - +44 (0)1753 682277
- WEB - www.biobot.org.uk
- E-MAIL - sales@biobot.org.uk