



BT Bio Press



BT Bio Press Type 50



BT Bio Press Type 30



Combi cleaner with press

Oil pressing with a BT Bio Press enables:

Maximum oil extraction from your oil seeds e.g. from rape, canola, linseed, sunflower etc..
Producing Pure Plant Oil (PPO) suitable for use in diesel engines and oil-fired burners.

Pressed meal produced, formed into pills for animal feed or burning in boilers.
High energy and protein values.

Economical operation, low electricity usage and operating costs, inexpensive spare parts.

Type 30 Bio Press

A small compact oil press, ideal for production of oil for own use and to produce pills to run domestic boiler. Simple construction suitable for intermittent use.

Capacity: Up to 2.5 litres of oil per hour, with 0.75kw 3 phase motor.

Type 40 Bio Press

Built with thrust bearing housing and hardened parts, this press is designed for continuous operation.

Capacity: Up to 6 litres of oil per hour, with 1.1kw 3 phase motor.

Type 50 Bio Press

Similar construction to the Type 40, but with higher output head.
For maximum output up to three presses may be mounted together on one frame.

Capacity: Up to 10 litres of oil per hour, with 1.1kw 3 phase motor.

Type 60 Bio Press

Built with thrust bearing housing and hardened parts, this press is designed for continuous operation. Ideal for farmers wishing to process the whole of their oil-seed rape production.

Capacity: Up to 14 litres per hour, with 1.1kw 3 phase motor.

Type 100 Bio Press

A press designed for industrial/commercial applications. Heavy-duty construction intended for continuous use.

Capacity: Up to 35 litres per hour, with 5.5kw 3 phase motor.

To offer complete systems we have developed a modular design to allow one press to be initially installed, with the ability to increase capacity with up to two additional press units. The system is made up of two parts:

1. Combi Cleaner unit.

The BT Combi Cleaner is designed to remove foreign objects and small particles from the seed before it enters the press units. This increases the life of the working parts of the press and improves the quality of the oil produced. The Combi Cleaner can supply three presses.

Included with the modular framework is a three-tank precipitation system for settlement of impurities from the pressed oil. Electrical controls, level probes and pump to move oil to a storage tank are also included, enabling automated and unattended use.

2. Press Unit

The relevant size of press should be selected to suit site requirements, bearing in mind that additional units (up to three in total) may be fitted beneath the Combi Cleaner unit. This enables oil production to be subsequently increased, after an initial unit has been supplied.



BT Combi Cleaner unit



Type 40 Bio Press

Other accessories and single-phase units available. Please contact us for further information.

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The BT Oil Press

Your questions answered (Oil Seed Rape)

Q How much oil will 1 tonne of rapeseed produce?

A Approximately 30 to 35% of the rapeseed will be extracted as oil giving around 300 to 350 litres per tonne. The remaining cake pills will have an oil content of approximately 12 %.

Q What uses are there for the rape oil?

A The oil can be used for cooking or may be used in oil burners for house, w/shop, drier etc. Converted diesel engines can run on 100% oil, or the oil can be esterified to produce bio-diesel suitable for diesel engines.

Q What uses are there for the rape cake pills?

(Pellets that are about 6mm diameter and 10 to 40mm in length.)

A The pills can either be used as part of an animal feed ration, or they can be used as fuel in heating boilers.

Q How much energy will be used to produce 1 litre of oil?

A 1 litre of oil will consume about 125 watts, costing about 1 pence of electricity to produce.

Q What is the lifetime of the wearing components in the press unit?

A The screw has an approximate life of 90 to 100 tonnes (30,000 litres of oil), but this can vary depending on the sample and cleanliness of rape being crushed. This equates to a cost of around 1 pence per litre of oil produced.

Q What size of oil press would be suitable?

A The BT press is designed to run continuously. For example a Type 50 unit will produce 240 litres of oil in a 24-hour period. (1,200 litres over 5 day week)
Up to two extra press units can be added to the Cleaner unit at a later stage (see Price List for details), allowing oil production to increase as demand increases.

For further information please contact us

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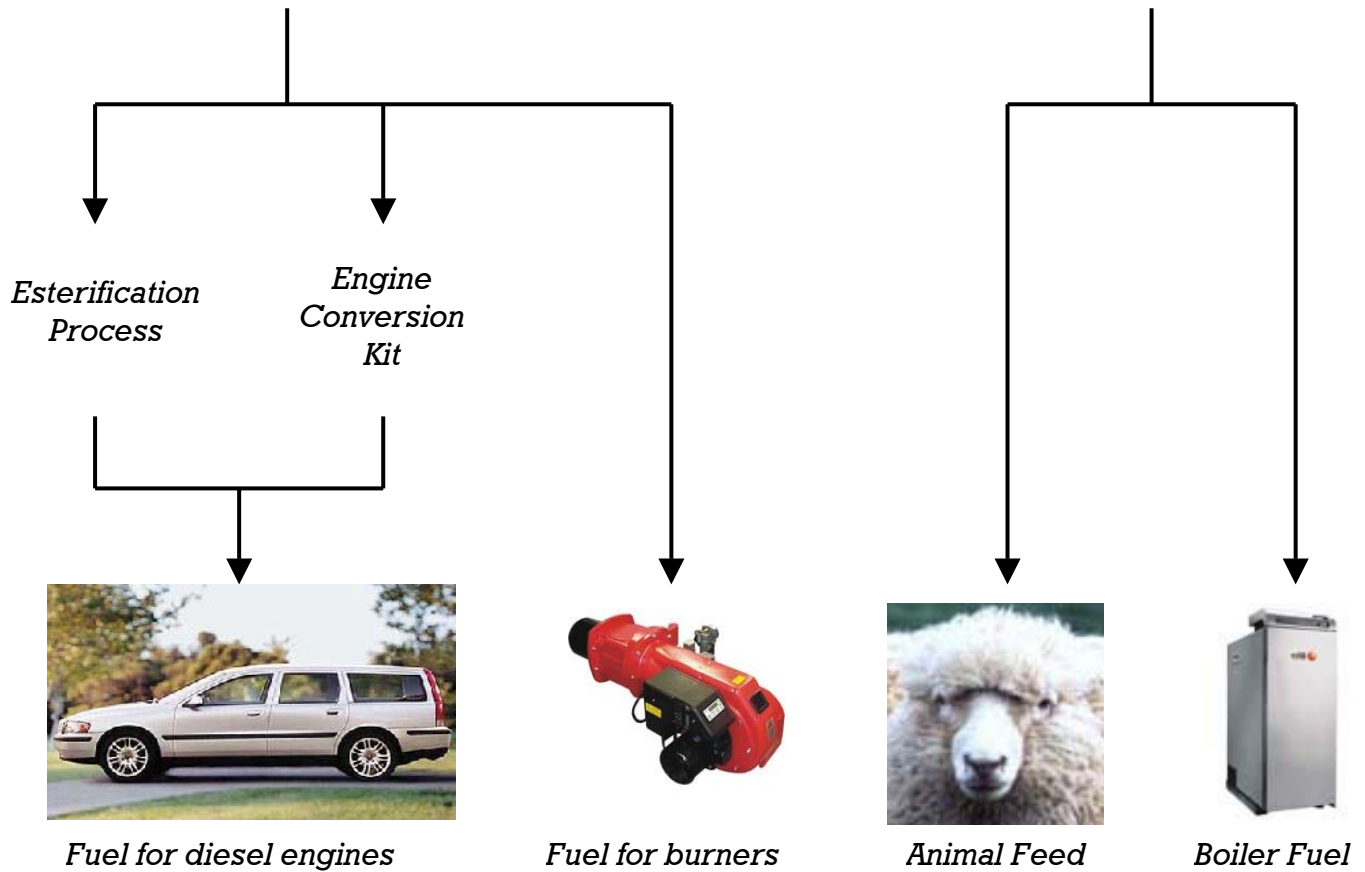
Plant Oil-The Options



Rape Oil



Pressed Rape Pills



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