



PALM OIL CLARIFIER

This machine, designed by our partner CODEART, is ideal for the transformation of the palm fruit oil in rural areas. Its simple and robust design makes it an essential tool to help develop this sector.



Model CL250
Diameter: 80cm
Height: 130cm
Volume : 350L
Cycle : 1h30

This machine is used to purify raw palm oil through the settling phenomenon, we obtain a clean and homogeneous product. The heated oil becomes more liquid which facilitates the drop of impurities towards the bottom of the tank.

An ingeniously placed faucet makes it possible to recover the oil thus cleaned in order to be packaged.

This machine can be built and maintained locally by mechanics trained by our technical service.

The clarifier is a part of the palm oil fruit processing chain. This chain inspired by the traditional ancestral method can easily be appropriated by artisans. It also includes a press and a cooker.





Operation

The clarifier is filled with water to reach the level just below the oil outlet faucet.

This level of 275mm represents a volume of 140 liters of water or about 30% of the total capacity of the clarifier. The rest of the tank is filled with raw palm oil. The whole will be heated by the hearth located under the tank thanks to the combustion of the pressing residues (organic fiber).

The hot oil being more fluid, the separation of the light parts, which float, and heavy parts, which fall in the bottom is facilitated.

The floating parts will be removed by scooping.

Finally, the oil flows through the outlet faucet and is collected directly into a can.

Advantages

- ✓ Users have solid equipment to their disposal. The cooking tank and the firing part are made of 3mm thick steel.
- ✓ The handling of the oil is facilitated. The operator feeds the clarifier easily (1.3m)
- ✓ Low environmental impact through the burning of plant residues: palm nut fibers.



Fibers (right) can be used to enrich soils or as fuel



T4D offers technical training services related to the machines provided.

T4D also offers additional equipment such as a press, a clarifier or a palm nut crusher.

FOR ANY INFORMATION CONTACT US: info@t4d.tech