



MOTORISED PALM NUT CRUSHER

This machine, designed by our partner CODEART, is ideal for the transformation of palm nuts in rural areas. Its simple and robust design makes it an essential tool to help develop this sector. The use of the motor allows a significant increase in productivity.



CNP-MO-ES

Flow: 600 Kg/h



**Engine HONDA
160cc – 5,5CV**

This machine is used to remove the extremely hard shell of the palm nut. The palm nut is in the centre of the palm oil fruit and is collected during pressing.

An engine uses centrifugal force to propel nuts quickly against the crusher's wall. These are then broken, and the shells and almonds must be sorted.

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

The crusher 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, a clarifier and a cooker.





Operation

Palm kernels enter the crusher via a feeding hopper and are thrown at high speed against the walls of the crusher. The crusher rotor is driven at 2,500 rotations per minute (rpm) thanks to a HONDA heat engine. Pulleys and belts ensure the transmission of forces between the engine and the rotor.

The hulls break under the impact and release the palm kernel. The whole (shells and almonds) is collected under the machines.

The machine can be mounted on a chassis with wheels (optional). This facilitates the movements to the palm oil extraction areas. The wheels are comparable in size to the wheels of wheelbarrows and therefore allow easy passage in places not very accessible.

The rotor is balanced to reduce vibrations and premature wear of the machine, it is made of hard steel to resist abrasions by palm nut shells.

The machine is supplied with instructions for use and maintenance. A key set is also provided.

Advantages

- ✓ The crusher allows the recovery of palm nuts that are often lost.
- ✓ Significant reduction in labour and physical effort required to break up palm kernels compared to the traditional method.
- ✓ Few broken almonds.



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