

Oil Palm Fruit Husk Remover Machine

TECHNOLOGY DESCRIPTION

This technology is a method to facilitate dehusking process that gives complete separate mesocarp and nuts of oil palm fruit.

TECHNOLOGY FEATURES

This technology is designed to reduce operational cost involved in palm oil processing mill and subsequently, reduce labor cost. In addition, this technology allows faster process which avoids loss of oil. The oil clarification can be done within fewer steps compared to current practice, and still maintain oil quality. This technology comes with small and portable machine which is easy to handle.

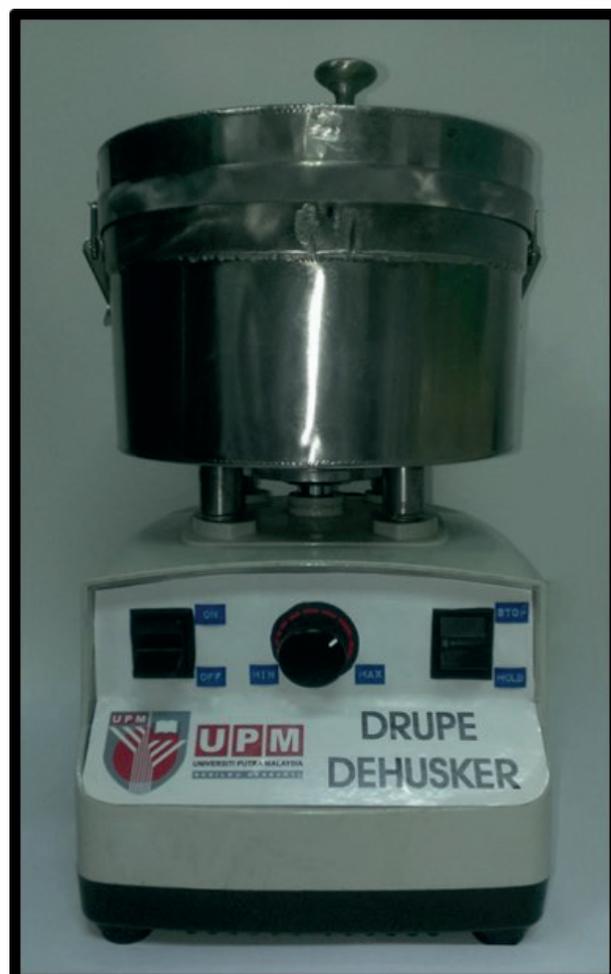
ADVANTAGES

- Low operational cost for palm oil processing mill
- Save time and energy
- Easy handling
- Dehusking efficiency of 100%
- Increase yield and quality of oil
- Reduced in costs (overall operating cost, labor, process time)

INDUSTRY OVERVIEW

Prospect: Palm Oil Millers, Palm Oil Manufacturers

The global palm oil market was valued at USD 65.73 billion in 2015, is expected to reach USD 92.84 billion in 2021 and is anticipated to grow at a CAGR of 7.2% between 2016 and 2021 (Global News Wire, 2016). Palm oil is versatile vegetable oil used as a raw material for food and nonfood products as well as an important source of economic contribution. Palm oil is most widely used vegetable oil in the world and is found many products ranging from sweets, baked goods, margarine, cereals, washing powders and cosmetics. Palm oil is also used as a first-generation biofuel. Thus, the drupe dehusker is a product which is potential for industries related to palm oil. Asia Pacific region (e.g. Thailand, Indonesia, Malaysia) represents the largest producer and consumer for palm oil and palm oil related products. The palm oil industry is significant contributor to Malaysia's overall economy, providing both employment and income from exports. In 2011, the sector was the fourth largest contributor to Malaysia's economy, accounting for RM 53 billion (USD 16.8 billion) of Malaysia's Gross National Income (GNI). Potential customers that may be interested to invest and commercialize the drupe dehusker are palm oil plantation or palm oil millers companies such as Cargill, FGV, IOI Plantation, Sime Darby amongst many others.



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