

## An Improved Palm Oil Refining Process for Premium Palm Oil Production

### TECHNOLOGY DESCRIPTION

This invention is a new improved process applied in palm oil refining to improve the quality of palm oil.

### TECHNOLOGY FEATURES

This technology Involves single step of water degumming to acid degumming to washing. It can be applied to all type of crude palm oil qualities including the poor ones. This process leads to better quality of palm oil for better quality of food products. This technology also fulfills the EU requirement for high quality palm oil products.

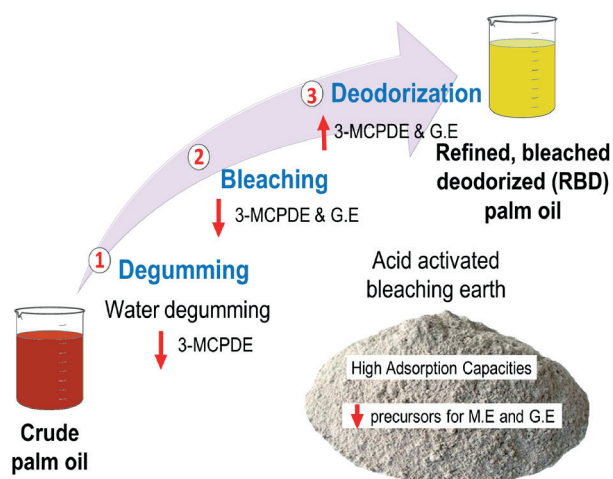
### ADVANTAGES

- Improves the quality of palm oil products
- Increase profit

### INDUSTRY OVERVIEW

#### Prospect Industry: Biotechnology/Food Processing Industry

Palm oil and palm kernel oil have a wide range of applications, about 80% are used for food applications while the rest is feedstock for a number of non-food applications such as biodiesel, biofuel and others. Palm oil is one of the 17 major oils and fats produced globally. China is the largest consumer of oils and fats followed by the EU, India, and the United States. Indonesia and Malaysia produce about 85% of the world's palm oil. Global consumption for palm oil was 52.1 million tonnes in 2012. Malaysia currently accounts for 39 % of world palm oil production and 44% of world exports. If taken into account of other oils & fats produced in the country, Malaysia accounts for 12% and 27% of the world's total production and exports of oils and fats. According to the report published by Grand View Research, the Global Palm Oil Market size will reach \$88 billion by 2022 from \$61.09 billion in 2014, registering a CAGR of 7.6% from 2015 to 2022, surge in demand for bio-diesel in the automobile industry is expected to augment market growth. Global palm oil market demand was 74.01 million tons in 2014 and is expected to reach 128.20 million tons by 2022, growing at a CAGR of 7.3% from 2014 to 2022. Potential prospects are food manufacturing industries, health and beauty industries and biodiesel and biofuel companies.



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