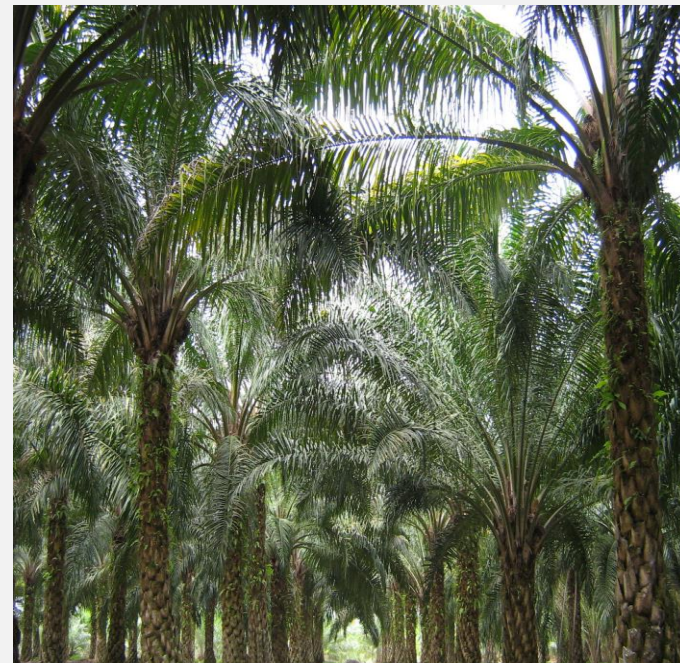


Fankun Environmental Protection on Palm Oil Harmless Treatment Equipment Plan

Introducing our company's patented product for Palm Oil Harmless Treatment Equipment, an advanced equipment for palm oil waste treatment with the following advantages:

- It adopts a physical and chemical combined treatment method, which is safe, efficient, and harmless to the environment.
- The equipment can process a large number of palm oil wastes, and it can effectively remove the harmful substances in the waste.
- The equipment has a high degree of automation, which reduces the labor intensity of workers and improves work efficiency.

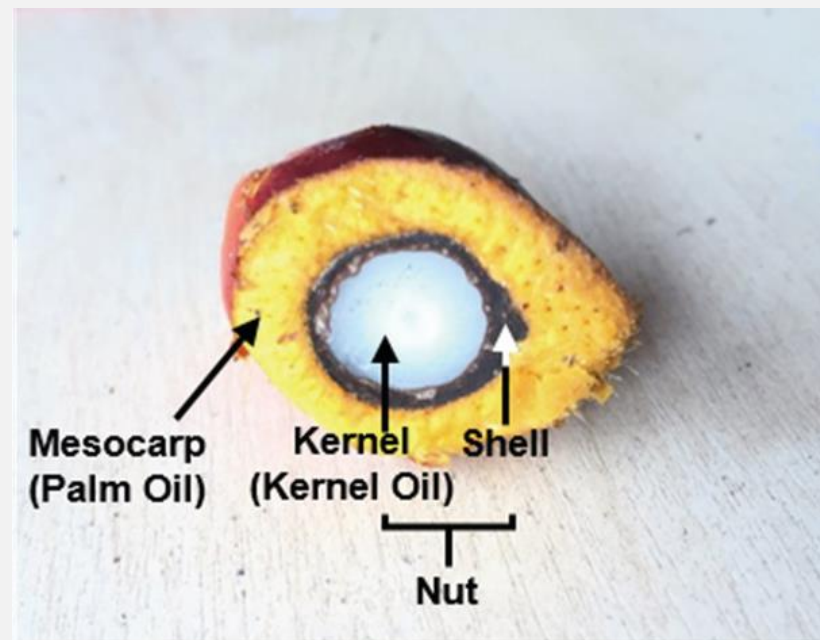


- After treatment, the waste can reach a harmless standard, with a reduction rate of 60% to 70%.
- The treated waste can be used as organic fertilizer, which can effectively improve soil quality and increase the utilization rate of waste.
- After the treatment, the organic content of the waste can reach more than 50%, which can effectively improve the soil structure and enhance the soil's ability to retain water and nutrients.



Palm fruits can be divided into 3 layers:

- the outer layer is palm pulp,
- the middle layer is palm shell, and
- the inner layer is the kernel.



Palm kernel oil can be extracted from the pressed kernels, and the residue is kernel meal, which can be used as animal feed or biomass fuel. The shell has a hard texture, uniform size, good flowability, low moisture, and high calorific value, making it a very good biomass fuel that can be directly burned in a furnace.



Palm kernel shell

After the palm fruits are processed to extract palm oil and palm kernel oil, there are four types of residues: empty fruit bunches, palm fruit fiber, palm kernel meal, and shells, all of which can be burned in a furnace.



Empty fruit bunch



MOBILE INCINERATOR

Processing capacity: 5 - 10 tons/day.

Technical highlights:

- Exclusive "Physical Squeezing + Chemical Treatment, High-Efficiency Solid-Liquid Separation" technology, which can quickly dewater the high-moisture content palm oil sludge.
- Combined with "High Temperature Composting" technology, it can effectively kill pathogens, degrade hazardous substances, and reduce the volume by more than 60%, turning waste into treasure and achieving resource utilization.



- Modular design, easy to transport, install and commission, can be quickly put into operation.
- The system is equipped with an automatic control system, which can achieve unattended operation (with remote monitoring, emergency stop, fault alarm, linkage control), safe and reliable, and easy to maintain."



Processing capacity: 10-50 tons/day.

Product features:

- Specially used for types such as oil palm residue, household garbage, etc.
- The furnace body uses refractory bricks, and the overall rotation of the furnace body allows the garbage to be evenly mixed and move in a tumbling state towards the inclined end along the angle of inclination.
- There are multi-stage combustion arrangements in the furnace to achieve garbage drying, volatilization analysis, garbage ignition, and complete incineration in the multi-stage combustion process.
- The operational capability is equivalent to a small processing center.

Applicable scope:

Harmless treatment centers in various provinces and cities are fixedly arranged.

Vehicle-mounted Harmless Incineration Treatment Integrated System:

1. **Mobility:** Mobile transfer, quick deployment, ready to use upon arrival;
2. **Modularization:** Incineration system + Purification system + Mobile system;
3. **Multipurpose:** Dead livestock and poultry, household garbage, agricultural straw, disaster relief and emergency, etc.;
4. **Harmlessness:** National Environmental Testing Center: Flue gas emissions (including dioxins) compliant;
5. **Originality:** Obtained seven patents, including two invention patents; and
6. **Uniqueness:** No similar products at home and abroad have been applied to harmless emergency treatment cases.

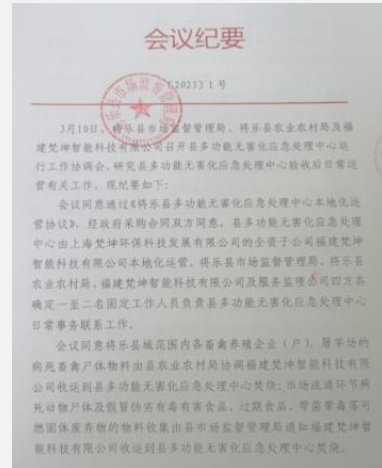
New flue gas purification core technology

1. Modularized small flue gas quenching tower — Invention Patent;
2. Air-cooled rapid temperature reduction mixing device — Invention Patent;
3. Vehicle-mounted small bag-type dust collector — New Utility Patent;
4. Special honeycomb-type thermal energy exchanger — New Utility Patent;
5. Flue gas secondary cooling, acid removal and deodorization, and mixing cold air technology;
6. Multi-functional flue gas purification integrated process.

12 Project References:

- Huangpu River floating dead pigs, avian influenza, Fuxi expired meat products harmless emergency treatment;
- Shanghai Harmless Treatment Center operational technical services;
- Harmless treatment of household waste in Sanlin, Pudong New Area, Shanghai;
- Harmless treatment of agricultural straw at Jiangsu production base;
- Harmless emergency disposal center in Jiangle County, Fujian Province Solid waste disposal center in the eastern part of Xiamen, Fujian Province.







Chairman's Message



Fankun's green transformation is in line with China's 'dual carbon' goals.

Our leading technology and rich experience in the field of sustainable development will also contribute to China's green development.





Fankun Environmental Protection was established in December 2006 and is a high-tech enterprise in Jiangsu Province.

- The main business includes R&D of health and environmental protection equipment, production, manufacturing, sales, and operation (primarily) of incinerators and environmental protection treatment equipment, as well as environmental protection technology and management consulting services.
- The company owns nearly 60 patents for independent intellectual property rights.
- The company was the earliest in 2012 to pass the strict testing of national environmental protection authorities, achieving a first-level standard for dioxin indicators, obtaining a monitoring report, and receiving a dioxin control qualification certificate.
- Fankun Environmental Protection's wholly-owned subsidiary, Shanghai Fankun Environmental Science and Technology Development Co., Ltd., was honored in 2015 as the winning enterprise in the Shanghai area of the "National Finals of the Energy and Environmental Protection Innovation Technology" and advanced to the national finals.



THANK YOU

**FANKUN
ENVIRONMENTAL
PROTECTION**



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