Tyre pyrolysis oil distillation process plant

This **Tyre pyrolysis oil distillation process plant** can obtain 80%-85% non-standard diesel and 15%-20% asphalt (heavy oil impurities with similar properties to asphalt), giving full play to the value of waste oil; at the same time, the waste oil refinery is equipped with dust removal equipment, which can harmlessly treat harmful substances in the refining process and solve the problem of secondary pollution in the distillation and cracking process.

Tyre pyrolysis oil distillation process plant process principle

The core process of refining equipment is distillation cracking.

The distillation cracking process principle is as follows:

Tyre pyrolysis oil distillation process plant refers to heating organic macromolecules in the absence of oxygen or oxygen and at an appropriate temperature to crack them into small molecules for precipitation. Waste oil such as waste engine oil, tire oil, plastic oil, etc. is distilled and cracked into non-standard diesel and asphalt. In the production process, different reactions are carried out in different temperature ranges, and the product composition is also different.

Tyre pyrolysis oil distillation process plant main configuration

Distillation furnaces, condensation systems, vacuum devices, catalytic towers, oil purification equipment, deep purification systems and flue gas purification systems

Advantage of the **Tyre pyrolysis oil distillation process plant**

1. The waste oil refining diesel equipment adopts a preheating system, which uses the waste heat of flue gas to heat the preheating tank, which can save fuel and speed up the distillation speed.
2. The waste oil refining diesel equipment adopts indirect heating to extend the life of the distillation furnace.
3. The waste oil refining diesel equipment adopts gaseous catalysis and liquid catalysis to obtain a bright yellow diesel product.

Picture of final oil


diesel