

Waste Oil Distillation Recycling System

This system processes raw waste oil and catalyst in a sealed furnace. The waste oil transforms into gas, which is then refined through separation, cooling, and filtering into petroleum products.



Product Overview

Advanced Waste Oil Recycling

This system utilizes an extreme negative pressure distillation process to efficiently convert waste oils into refined petroleum products. By heating raw material oil in a sealed melting furnace with specialized catalysts, the system breaks down complex molecules into gas. These gases are then separated, cooled, and filtered, while larger molecules are cycled back through the system until fully dissociated into high-quality oil.

System Components

Key Hardware Components

- Pre-treatment unit
- Distillation kettle
- Condenser
- Fractionating column
- Vacuum pump
- Control panel

Technical Capabilities

Processing Technology	Extreme negative pressure distillation
Compatible Waste Oils	Used engine oil, Industrial oil, Hydraulic oil

Safety & Control

Safety Mechanisms

Pressure relief valves • Temperature sensors • Automatic shutdown