

Waste Oil Regeneration Catalyst Refining Equipment

This equipment utilizes a regeneration catalyst to process waste oil in a sealed melting furnace. The catalyst aids in converting waste oil into gas, which is then separated, cooled, and filtered into refined oil products.



Product Overview

Innovative Catalytic Regeneration

This system utilizes a specialized catalyst combined with a sealed melting furnace to convert waste oil into refined petroleum products. By applying heat and catalytic splitting, the process dissociates pasty waste materials into gas molecules. Efficient separation, cooling, and filtering mechanisms ensure that final products meet quality standards while maximizing resource recovery.

Technical Process

Key Operational Stages

- Sealed thermal melting
- Catalytic molecular splitting
- Controlled gasification
- Separation, cooling, and filtering
- Closed-loop reaction recycling

Operational Capabilities

Suitable Materials

Waste Oil, Pasty Substance Waste

Equipment Design

Design Advantages

Compact Design • Environmental Sustainability • Ease of Maintenance • Resource Recovery