Continuous Charcoal Carbonization Furnace

The continuous carbonization furnace is an energy-efficient machine that transforms wooden materials like sawdust or peanut shells into charcoal. It operates continuously for 24 hours, feeding and discharging materials simultaneously.

ADDITIONAL IMAGES

Overview

High-Efficiency Carbonization Solution

This continuous carbonization furnace is designed for high-efficiency, energy-saving biomass processing. It operates 24 hours a day, enabling simultaneous feeding and discharging to transform materials like sawdust, peanut shells, and rice husks into high-quality charcoal. The system features advanced flue gas recycling to minimize environmental impact while maximizing heating efficiency.

Performance Metrics

Production Capacity

3 tons/hr	5 tons/hr
Min Capacity	Max Capacity

Efficiency vs Static	10-20 times higher than static carbonization furnaces

Operational Features

Carbonization Stages

- Drying stage
- Initial carbonization stage
- Full carbonization stage
- Cooling stage

Automation	Yes
Continuous Operation	24 hours

Compatible Materials

Suitable Biomass Materials	Sawdust, Peanut husks, Corn stalks, Branches, Rice husks, Bamboo, Coconut shells, Hemp sticks

System Components

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Component	Function
Gasifier	Initial heating
Carbonization Furnace	Core processing
Flue Gas Purification	Emission control
Conveying Device	Material transport
Cooling/Discharging	Final product handling

Environmental & Safety

Environmental Compliance

Flue gas recovery • Incineration • Dust removal • Emission standard compliant