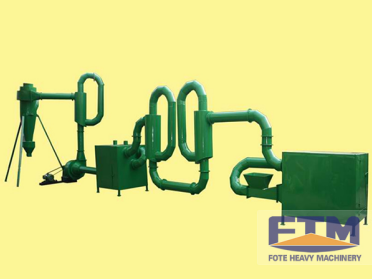
Industrial Airflow Dryer for Material Processing

This airflow dryer offers strong drying capabilities, a short working period, and low energy consumption. It is suitable for drying powdery, flake, and heat-sensitive materials.



ADDITIONAL IMAGES

Overview

High-Efficiency Industrial Airflow Drying

The Industrial Airflow Dryer, also known as a hot air pipe dryer, provides direct heating and rapid moisture removal for a wide range of materials. It is specifically designed for heat-sensitive, powdery, and flake materials, offering a compact, foldable installation to optimize floor space. This system ensures a short working period and low energy consumption while maintaining high-quality output with steady humidity and excellent fineness.

Performance

Maximum Production Capacity

36 T/H
Max Throughput

Key Features	Strong Drying Ability, Short Working Period, Low Energy Consumption, Simple Operation, Direct Heating, Quick Drying

Applications

Suitable Materials

- Starch
- Rice flour
- Food products
- Medicine
- Chemical materials
- Sawdust
- Wood shavings
- Agricultural waste

Technical Specifications

The modular airflow drying system featuring high-efficiency cyclones and interconnected ductwork for rapid moisture removal.

Model Specifications & Technical Data

Model (m)	Capacity (T/H)	Motor Power (KW)	Weight (T)
¦1.2×10m	2.5	7.5	13.5
¦1.5×12m	3.3-4.9	10	18.9
¦1.5×15m	4-6	18.5	21
¦1.8×12m	4-6	18.5	23
¦2.2×12m	7-12	18.5	38
¦2.2×14m	7-12	22	40
¦2.2×16m	12	30	45
¦2.4×14m	12	30	51
¦2.4×18m	10-13	37	54
¦2.4×20m	10-14	37	55
¦3×20m	25	55	78
¦3×25m	32-36	75	105

Installation	Foldable design for space-saving installation

Operational Principle

How it Works

Wet materials enter the dryer pipe where they are turned over by spread shoveling plates. This ensures complete contact with hot air to accelerate mass transfer. Materials are then discharged through a starry valve under the combined effect of the inclining plates and high-velocity hot air.