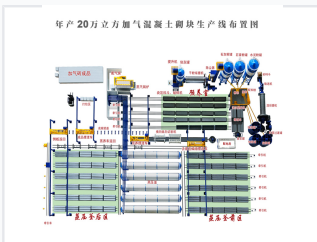


Autoclaved Aerated Concrete Production Line

This production line is designed for the production of autoclaved aerated concrete. The system includes material storage, mixing, casting, cutting, autoclaving, and product handling.



ADDITIONAL IMAGES



Overview

High-Efficiency AAC Block Production

This Autoclaved Aerated Concrete (AAC) production line is a comprehensive, automated system designed for the large-scale manufacturing of lightweight concrete blocks. The line integrates raw material processing, precision batching, advanced cutting, and high-pressure steam curing to ensure consistent product quality. With an annual capacity of 200,000 cubic meters, it offers a reliable solution for producing high-strength, dimensionally accurate building materials.

Production Capacity

Annual Output

200000 m³

Annual Capacity

Key Components

Raw Material Equipment

- Silos for lime, gypsum, and cement powder
- Dry powder ball mills
- Wet ball mills
- Crushers
- Elevators and conveyors
- Slurry transition tanks

Processing & Handling

- Batching and mixing building
- Horizontal and vertical cutting machines
- Autoclaves for high-pressure curing
- Steam boilers
- Transfer cars and traction machines
- Packaging and stacking area

Process Flow

Production Stages

Stage	Description
Material Preparation	Crushing and milling of lime, gypsum, and sand into powder or slurry.
Batching & Casting	Precise mixing of materials and casting into molds.
Pre-curing & Cutting	Initial hardening in pre-curing rooms followed by precise wire cutting.
Autoclaving	High-pressure steam curing in autoclaves to achieve final strength.
Handling	Separation of finished blocks and final packaging for transport.

Technical Features

Automation Level

Fully Automated Flow • Integrated Quality Control • Precision Batching

Infrastructure Requirements

Power Distribution Room, Steam Boiler System, Dust Collection System, Pre-curing Rooms