

Dry Mortar Production Line

Dry mortar production lines, also known as pre-mixed mortar systems, produce factory-batched and blended ingredients under controlled conditions. Requiring only water addition at the job site, the resulting mortar offers consistent quality, controlled inventory, and savings in both time and labor.



ADDITIONAL IMAGES



Overview

High-Efficiency Dry Mortar Production

This dry mortar production line offers a highly-controlled factory process for batching and blending ingredients, ensuring consistent quality and reduced labor costs compared to job-site mixing. By incorporating various chemical additives, the system produces mortar with superior bonding, thermal insulation, and crack-resistance properties. The modular design allows for rapid production of specialized construction materials that improve building longevity while decreasing overall mortar usage.

Technical Specifications

Production Line Models

Model Type	Capacity (t/h)	Area (m ²)	Height (m)	Automation Level
Simple	1~15	40	5~10	Manual batching and packing
Basic	5~15	40-60	6~10	Manual batching, automatic packing
Semi-automatic Serial	5~15	40~80	8~12	Auto-batch coarse, manual additives
Semi-automatic Tower	5~50	40~100	10~25	Auto-batch coarse, manual additives
Fully Automatic Tower	5~100	60~500	10~25	Full automatic batching and packing

Maximum Rated Capacity

100 t/h
Max Output

System Components

Core Components

- Raw Material Storage Silos
- Sand Drying Unit
- Bucket Elevator
- Spiral Conveyor
- Weighing System
- Mixer
- End Product Silo
- Bagging System
- Dedusting System
- Computer Control System
- Air Compressor
- Air-phase Balance System
- Steel Structure

Applications

Supported Mortar Types

- Bonding Mortar (Masonry, Tile Adhesive, Anchorage)
- Decoration Mortar (Plaster, Putty, Colorful finishes)
- Protection Mortar (Water-proof, Anti-corrosion, Self-leveling)
- Insulation Mortar (Thermal and Sound)
- Specialty Mortar (Repair, Mildewproof, Shielding)

Raw Materials

Compatible Raw Materials

- Binders: Cement, hydrated lime, anhydrite, gypsum
- Fillers: Silica sand, quartz sand, limestone, dolomite, perlite
- Mineral Admixtures: Slag, fly ash, pozzolana, silica powder
- Chemical Additives: Cellulose esters, superplasticizers, air entraining agents

Performance Features

Operational Advantages

Consistent Quality, Controlled Inventory, Time Saving, Labor Cost Reduction, Crack Resistance, Thermal Insulation, Wear-proof