

20-Ton per Day Corn Flour Milling Plant

This corn flour mill machine plant processes corn into flour at a rate of 20 tons per day. It utilizes milling stations with rollers and sifters and includes pneumatic conveying systems for material transfer and dust control.



ADDITIONAL IMAGES



Overview

High-Efficiency Corn Milling Solution

This industrial corn flour milling plant is engineered for consistent, large-scale production, processing 20 tons of raw material per 24-hour cycle. The system utilizes a multi-stage process of cleaning, grinding, and sifting to deliver high-quality corn flour and grits that meet national standards. Designed with a horizontal structure, this plant offers a comprehensive solution for commercial grain processing with integrated dust control and centralized electrical monitoring.

Performance Metrics

Daily Input Capacity

20 tons/24h

Capacity

Final Product Yield

Product Type	Yield Percentage
Corn Flour	50-60%
Corn Grit	15-20%
Feed Powder (Bran, etc.)	15-19%

Technical Specifications

Power Requirements	120 kw
Operating Environment	380V Voltage, 50Hz Frequency, Below 1500m Elevation
Equipment Dimensions	L17m x W5m x H5m

Raw Material Requirements

Raw Material Standards

- Primary material: Flint corn
- Moisture rate: Within 17%
- Bulk density: > 710g/L
- Hard corn rate: > 70%

Operational Requirements

Staffing Requirements Per Shift

- 1 Operation technician
- 6 Workers (packing and conveying)

Installation & Service

Installation and Training Service

The installation service is provided as a charging service, covering installation guidance, test running, and local worker training. The process typically requires one engineer on-site for 30-40 days. The buyer is responsible for technician travel, accommodation, local transportation, insurance, and a daily service fee. The customer must provide 4-6 workers to assist the engineer and handle civil engineering requirements.