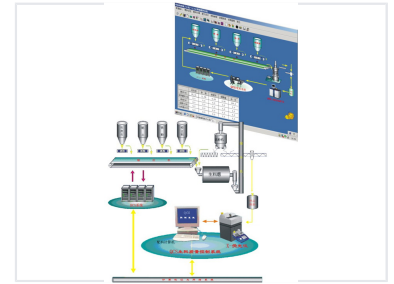


Automated Material Processing System

This automated system is designed for precise material blending. It incorporates ingredient silos, a conveyor belt, a DCS system, a raw material mill, and an X-ray analyzer, all managed by a Quality Control System.



Overview

Automated Material Processing System

This advanced automated material processing system is designed for precise industrial blending and quality assurance. It integrates key components including ingredient silos, conveyor systems, and raw material mills, all managed by a centralized DCS and QCS architecture. By utilizing real-time X-ray analysis and automated control, the system ensures consistent material composition and high-efficiency production.

System Components

Core Components

- Ingredient Silos
- Conveyor Belt System
- DCS (Distributed Control System)
- Raw Material Mill
- X-ray Fluorescence Analyzer
- QCS (Quality Control System)

Control & Automation

DCS Integration, QCS Quality Control, Automated Blending, Real-time Analysis

Technical Specifications

Key Performance Metrics

1 %

Process Tolerance