

Matisssoft

GRINDING



The grinding system controls all hammermill and roller mill operations. The system manages contamination via incompatibility and flushing features. All information required for product tracking is collected by the system.

GRINDING SYSTEM FEATURES

This system is made to optimize and secure operations during grinding. Following are some of its features:

Interface

- Display process information

Operation mode

- Automatic
- Manual with a computer keyboard

Grinding scheduler

- Multiple request capability with priority setting
- Automatic bin filling based on low-level sensors, empty bin signals, or bin inventory
- Time-based processing possible

Hammermill and roller mill optimization

- Control loop based on the speed of the grinder feeder versus the main motor's amp reading
- Maximum feeding speed for every product
- Automatic or manual roll position adjustment

Extruder system optimization

- Control loop based on the speed of the extruder versus the main motor's amp reading.
- Maximum feeding speed for each product.

Contamination management

- Flushing function
- Incompatibility function
- Dedicated bin function
- Tracking management



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- Conservation of information on lots ground
- Tracking system reset to zero when a bin is empty
- Conservation of bin history

Available reports

- Production Report sorted chronologically for a given period
- Production Report sorted by operator for a given period
- Ingredients Used Report for a given period
- Bin Activity Report
- Tracking Report
- Warning Report for a given period
- Alarm Report for a given period.

Evaluation of the system's operating time

- A report provides information on production time and use of the grinding system

HOW IT WORKS:

The system can operate manually or automatically.

In manual mode, the operator chooses the grinding option and validates the source bin as well as the destination bins. More than one request can be entered at once, with each being completed in the order of entry.

In automatic mode, the system will automatically grind the required product based on low-level sensors or a request from the batching system. It will then produce the same ingredient found in the requested bin.



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