Au2mate

PROCESS AUTOMATION PARTNER

Meat plant automation

BATCH STANDARDIZATION PLATFORM

- Continuous compensation calculation for fat and lean meat
- High accuracy standardization to achieve fat and weight target within a batch
- Information about meat with foreign objects
- Tracking of meat batches and samples
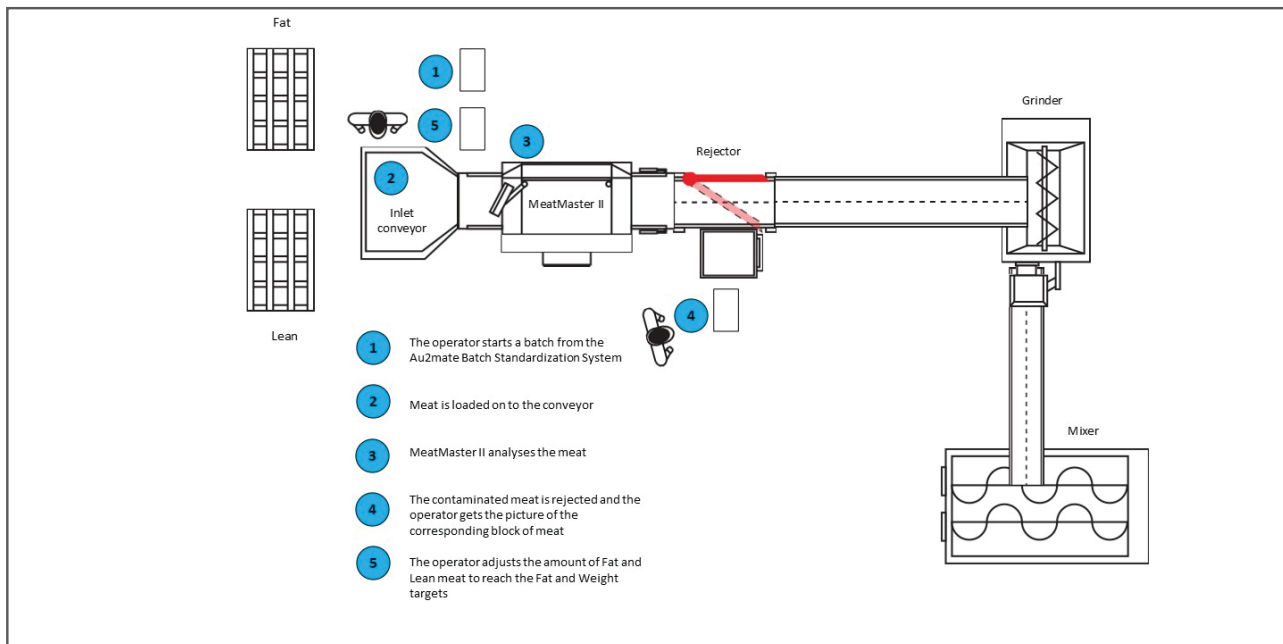- Increased profits by lower tolerances and less product waste

APPLICATION

The Au2mate Batch Standardization Platform is based upon high precision measurement devices and applied for high accuracy standardization of the meat within a batch. The platform consists of a core module, which can be extended and configured to fulfill customer needs. The Au2mate Batch Standardization Platform can be applied in newly designed plants as well as in legacy plants requiring optimization. The Au2mate Batch Standardization Platform can operate as stand-alone or seamlessly integrated with the existing factory control system. The core module is pretested for quick and easy implementation. The Au2mate Batch Standardization Platform can be installed on the sensor's PC or deployed on a virtual machine across the production network.

DESCRIPTION

Au2mate Batch Standardization Platform is a tool for operators to produce high quality batches more efficiently, by providing an overview of the current batch progress, and notify in case of contamination in samples. The main purpose of the platform is to help the operators reach the desired fat target. Based on precise calculations, the platform informs the operator of the exact amount of fat and/or lean meat required to reach the target.

Process Overview

English

Batch - 123456

Batch target fat	Batch target weight
18 %	1000 kg

Batch current fat	Batch current weight
19.7 %	903 kg

Batch moisture	Batch protein
72.6 %	19.9 %

13		84
(Lean meat)		(Fat meat)

Fat

1

5

2

Inlet conveyor

3

MeatMaster II

Rejector

Grinder

4

Mixer

Lean

1	The operator starts a batch from the Au2mate Batch Standardization System
2	Meat is loaded on to the conveyor
3	MeatMaster II analyses the meat
4	The contaminated meat is rejected and the operator gets the picture of the corresponding block of meat
5	The operator adjusts the amount of Fat and Lean meat to reach the Fat and Weight targets

CORE MODULE

The core module of Au2mate is highly configurable, and contains the following functionalities:

- Process Overview providing vital production information for the operators
- Batch Details page displaying information about the current batch
- Compensation calculation to calculate required fat/lean meat to reach the target
- Batch management and configuration
- Rejected Overview page displaying information about the latest meat sample with foreign object detection

EXTENSIONS

Furthermore, Au2mate Batch Standardization Platform can be extended with, but not limited to, the following functionalities:

- SUPPLIER EVALUATION - allow traceability on each supplier
- ERP INTEGRATION - reads input files from the ERP and generates output files with merged data
- REPORTS - can be customized to your needs
- BARCODE READER - either emulates a keyboard or connects over the network
- CUSTOMIZED FUNCTIONS - we are open to specific requests

The Au2mate Batch Standardization Platform is highly customizable. Please consult with your Au2mate representative to fit your specific needs.

CUSTOMIZED FUNCTIONS

BARCODE READER

SUPPLIER EVALUATION

CORE MODULE

REPORTS

ERP INTEGRATION