A graphical representation of your bakery processes enables you to optimize production and make informed business decisions. Collect+ data collection and visualization software provides the right view for every user.

Process data can help you maintain an efficient process and control quality. It is the basis for informed business decisions.

In bakery or candy production, relevant key figures could include temperature values from the oven, weighing parameters from scales or fill quantities from a process tank. Collecting data in an efficient way is not always easy.

However, receiving goods can be controlled over a single scale with an attached barcode scanner or over an automatic truck scale weighing procedure. Other relevant data may come from laboratory equipment, such as moisture analyzers, manual checkweighers, filling terminals, or PT100 temperature sensor.

We have developed collection and visualization software that summarizes all those relevant key parameters in an easy to use dashboard.

This paper provides you some insight on how the software works and shares examples for production, quality and maintenance managers about how they can use that data to improve their daily work.
1 Data Handling and Connectivity

Connect
With Collect+, your production scales, temperature or moisture results data are connected to a central data-collection system. It is designed to support process optimization, regardless of the brand of type of equipment. Your live measurement data is then stored in real-time for archiving and analysis.

Go
All software functions are accessible from your web browser. Use the software for real-time information on your tablet, mobile phone or on your own PC

Export
All data can easily be exported in another tool, such as Microsoft Excel. Use the filter function to select the measurements you want to export.

2 Easy integration into existing IT systems

The software installation on a PC takes a matter of minutes. Adding data from a scale requires you to perform the following steps:

1. Define devices
Production devices can be connected to the central PC via RS232 serial connections over Ethernet TCP/IP. Nearly any device can be connected and millions of measurements can be stored to the data-collection engine.

2. Add further information
Data Enhancements can be added to measurement data. For example, enhancements can be entered to track an operator or product number when this information is not provided by the device.

3. Define dashboard
The flexible built-in dashboard editor allows you to tailor your views exactly to what you want to see. Create multiple views for different production areas or different roles. Choose to work with charts, gauges or simply with a grid.
3 Select your dashboard

All views can easily be customized and stored as single dashboard.

**View of a quality manager**
Someone in this role might set up their dashboard to see:
- Out-of-specification data from scales
- Trend information
- Deviation values
- Actual temperature data from an oven or fridge
- Actual moisture content of incoming goods

**View of a production manager**
Someone in this role might set up their dashboard to see:
- Overall equipment effectiveness of the scales
- Average net weight by production line
- Amount of produced products by line and product

**Important maintenance figures**
- Immediate overview on equipment performance
- Are all tank weighing load cells working properly
- What is the filing status of my tank?

www.mt.com/CollectPlus

For more information

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