



WinCos® plant control system

When everything runs smoothly from green coffee beans to roast and ground coffee.

WinCos® for coffee plants: The solution for successful automation

Each stage of processing influences the quality and thus the acceptance of the end product. The production of outstanding high quality coffee products requires efficient production processes, that adapts flexibly to new requirements and which can be controlled at any time. WinCos® is the intelligent plant control system (MES) for reliable and high-quality coffee plants that has been successfully applied worldwide. With its modular design, it can be flexibly adapted to your coffee line and to your requirements.

Operational excellence and top product quality

WinCos® offers the option of a seamless interface with the ERP system. Once job orders and recipes have been created and processed in the system, they are transferred directly to the plant control system.

In addition, WinCos® helps with the planning of production and provides support for improving utilization. Comprehensive recipe management ensures optimum reproducibility and hence consistent product quality at the highest level.

Automatic production adjustments in combination with the scales helps to achieve intelligent optimization of the use of raw materials, and hence reductions in operating costs.

Top production reliability and traceability

If required, WinCos® will document the process steps and changes to parameters and settings, including a time stamp and operator name.

Production steps can be consistently traced – from the raw material to the finished product. A clear graphic visualization shows the production details of completed processing steps of every lot. This assures traceability and maximizes food safety.

Detailed job and batch reports including customer-specific parameters provide valuable support for the early detection and elimination of production problems. This improves the efficiency and availability of the plant in a sustainable way.

Advantages

- Complete, integrated plant control solutions
- Efficient planning and maximum product quality
- Highest production reliability and traceability
- Easy-to-use and intuitive operation

Full control of processes and parameters. For top production reliability.



WinCos® combines Bühler's comprehensive competence in coffee processing and automation.

Coffee roasting at its finest

Regardless whether you prefer to operate the roaster from your control room, from a mobile device or at the machine itself, you are in control of all process parameters. Changes in the target roasting profile are transferred to the roaster immediately. Recipes for traditional and non-conventional roasting profiles can be saved, managed and precisely replicated any time to create outstanding high quality.

Convenient operation and monitoring

WinCos® provides intuitive control of all functions and settings via an easy-to-use and intuitive graphic interface. As a result, operators can quickly intervene in production processes if required. This helps to minimize operating errors and increases the availability of the plant.

Furthermore, with the PocketPlant service, remote monitoring of the production lines becomes a simple task. The service can be used to monitor the status via a mobile app and provides active notifications of line errors to operators. This significantly reduces the time it takes to respond and to solve the error.

Energy efficiency and management

If desired, WinCos® monitors energy consumption and supports operators in their effort to efficiently balance plant loads in order to sustainably reduce operating costs.

Process experience and service for your success

Bühler is continually developing WinCos® and its related services in order to allow customers to benefit from new technologies such as the «Internet of Things».

As market leader and process specialist, Bühler has comprehensive practical experience in the design, commissioning and support of efficient automation solutions. In order to ensure that plants operate reliably and efficiently, Bühler maintains a competent service team to provide a fast and direct local service - round the clock and worldwide.

Service from Bühler

We keep your production running and ensure maximum plant availability: our automation specialists are familiar with your processes and are available for you 24/7 worldwide.

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