

WinCos® plant control system

**When everything runs smoothly
between raw material and end product.**

WinCos® for grain milling: The solution for successful automation.

The successful processing of a variety of grain, such as corn, soy and spelt in high-grade products requires efficient and dedicated production processes. The intuitive and easy-to-operate WinCos® plant control system supports these objectives and stands for maximum productivity with greatest safety.

Thanks to its modular design, it can be readily adapted to functional requirements, thus making it possible to respond quickly to market changes and enhance the economic efficiency of the plant.

Recipe management – ensuring constant product quality

Customer expectations are high: constant, maximum product quality is one of the requirements for grain millers. The recipe management in WinCos® supports these demands. In addition to the simple creation and management of the entire array of recipes, the focus is on reproducible quality, economic utilization of raw products and consolidation of plant productivity.

Plant uptime is supported by the PocketPlant Service, with which remote monitoring of the production lines become an easy task. Operators receive active notifications of line errors and their causes, thus significantly reducing response time.

Advantages

- Constant product quality through effective recipe management
- Reliable production traceability
- Cost savings due to selective energy management
- Yield monitoring across the entire process

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



Bühler's comprehensive competence in milling technology and automation is purposefully combined in WinCos®.

Reliable traceability – comprehensive monitoring

WinCos® allows for comprehensive and complete food safety through production tracking. All production weights, including those of manual components, are accurately recorded. If required, WinCos® can visualize the entire product flow from raw material to end product. Whether it be product data from suppliers, process data or operator activities, WinCos® offers a complete production overview and process monitoring at all times.

Successful energy management – appropriate usage is the key

Energy costs money – but not always the same amount. WinCos® helps to utilize energy efficiently and at the right time. The energy monitoring incorporated in WinCos® keeps energy-intensive processes under control, while the energy management module can be used to cap energy consumption at defined levels.

Yield – presented in a comprehensive and intuitive way

The current yield data delivers essential information for process monitoring. For this purpose, WinCos® provides a graphic display of yield monitoring: from the cleaning stage to the end product. The easy-to-understand presentation of the values allows for a quick evaluation and fast reaction. Automatic monitoring of pre-defined yield limits can reduce production errors significantly. The yield statistics provide the basis for further analyses that can be used to optimize process performance in the future.

The continuous development of WinCos® is based on new technologies, such as the Internet of Things, to ensure that WinCos® keeps abreast on top of developments. Thus, the system is continually adapted to respond to new customer requirements.

Bühler Service

We keep your production running and ensure top plant availability: worldwide more than 350 automation specialists are available 24/7 with their process expertise.

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