

Control your  
business,  
shape your future.

WinCoS.r2 automation solution



# WinCoS.r2 – automatically right. The automation solution with a future.



Control your business, shape your future. The market is as dynamic as never before. Globalization is part of our everyday lives, price pressures and legal requirements are increasing. To be successful in such an environment, you need more than clearly defined goals and promising strategies for the future. You must be able to rely on production plants that offer maximum uptime and optimal performance. WinCoS.r2 satisfies all these requirements, being an automation system that is guaranteed to be a secure investment. It offers a favorable price-to-performance ratio, provides compatibility with all commonly used systems, and can be customized to suit every company-specific need. With WinCoS.r2, we have developed a automation system which integrally combines process technology and automation. This is the key for achieving best production standards leading to highest competitiveness of your business, now and in the future.

- Highest availability and data security
- Flexibly expandable
- Detailed key figures
- Easy to operate
- Remote diagnosis and maintenance

# Your requirements, our solution.

## Everything you need, exactly as you need it.

**The CLASSIC version comprises a complete automation system with all the basic applications in order to securely control your plant.**

WinCoS.r2 can easily be expanded by adding additional functions and be tailored exactly to your business goals. WinCoS.CLASSIC optimizes plant operation on a sustainable basis and at all levels.

### The main CLASSIC functions are:

- Process logic and monitoring to ensure reliable control of your production processes
- User-friendly process display with colored status and product paths
- Powerful database system
- User management feature for dependable, access authorization as required
- Definition of spare bins for increasing uptime
- Logbook for digital information transfer when work shifts change
- Remote maintenance for reliability and safety
- Profibus and PLC diagnostics, I/O status display for fast fault analysis
- Event and alarm handling
- Online help and additional information (tool tips)
- Extensive sorting and filtering options (e.g. lists, alarms)
- Password-protected parameter management

**WinCoS.r2 can be tailored to the specific needs of any business and provides you with the agility you need to respond to changes in the marketplace. From each functional group you can choose the relevant functions in order to optimize your plant. Please contact us for individual consulting.**

### Product- and production security.

WinCoS.r2 raises the standards of all products and production processes to a level where the highest quality becomes standard. But WinCoS.r2 also ensures to optimize the use of expensive raw materials, to achieve consistently homogeneous blends, and to reduce human errors on a preventive basis – and this throughout the production process. You will have permanent online access to all the relevant production data, since this information is completely registered, reported, and centrally managed.

### Production planning assistance.

The fine-tuning of production processes requires effective planning. Using smart special functions, WinCoS.r2 ensures an ideal capacity utilization of your plant while still offering you the flexibility to optimize cycle times and costs and to respond to changes. WinCoS.r2 supports you also to automatically optimize the power consumption for efficient and cost-reducing energy utilization.

### Management information.

All the relevant information available immediately. WinCoS.r2 supplies the current and most important key performance indicators (KPIs) of a plant whenever and wherever you need them. The system registers all the data and supports you in interpreting and evaluating them.



**Data management.**

WinCoS.r2 links information with actual communication technology and allows a smooth and easy information exchange, e.g. for data import or export in the IT-environment of the plant.

**Production traceability.**

If you wish to fine-tune processes, you need complete transparency – of production and process operations as well as quality parameters – both past and present. WinCoS.r2 enables you to completely retrace your production processes, allowing you to take immediate corrective action in case of fault messages and complaints. This fosters your customers' confidence – thanks to detailed product information.

**Operating and visualization.**

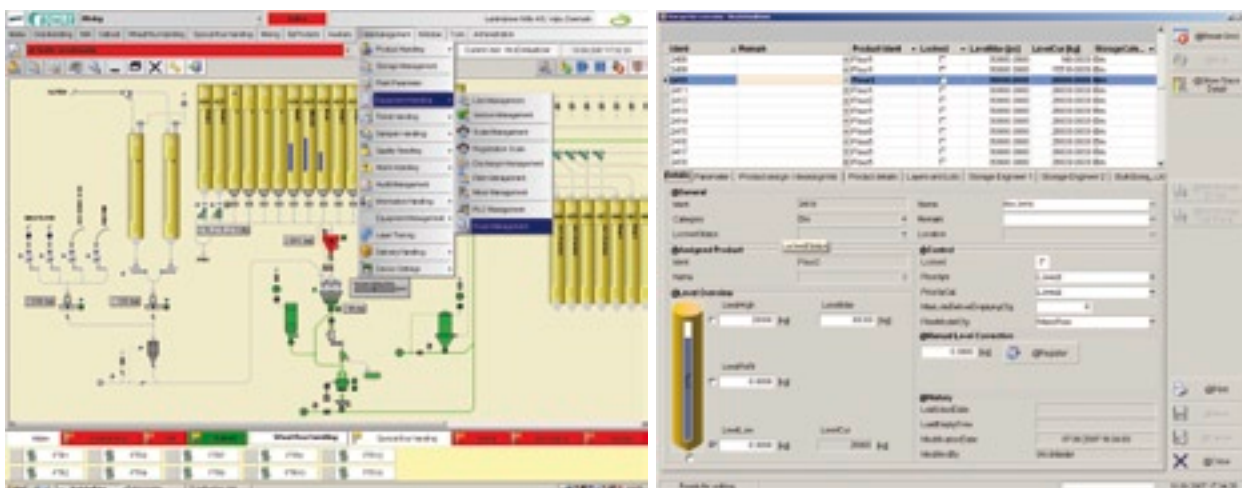
The best way to run your business optimally and efficiently is by ensuring clear and easy operation of your production plant. WinCoS.r2 sets a new focus by applying a function-oriented user concept which shows all the information relevant to production at a glance, displays it clearly, and also supports data input. Its modular design offers numerous options for expansion by adding any number of operator terminals or industry PCs.

**Plant service and maintenance.**

Reliable and smooth operation is the top priority of any business. But unexpected trouble may occur at any time. It is therefore crucial to pinpoint faults as quickly as possible. The very best solution is to prevent problematic situations from occurring in the first place – by preventive diagnostics and maintenance. With its smart service and maintenance functions, WinCoS.r2 will enable you to minimize expensive downtimes or to eliminate them altogether. Your operating personnel can also access the troubleshooting services provided by our specialists, with remote access, remote diagnostics, and remote maintenance via modem or Internet.

**Machine integration.**

Communications between all the connected devices and machines in a plant require a dependable exchange of data and signals. This is exactly what the standardized interfaces of WinCoS.r2 are designed to provide: To interlink various control systems in an error-free, easy, and cost-effective way. This allows businesses to optimize their applications and flexibility.





# Heading into the future with Buhler. Your competent partner.



“In order to maintain market leadership, Lantmännen Mills needs a flexible MES (Manufacturing Execution System) and a reliable, competent partner. Buhler fulfills all these requirements and provides us with a automation solution from one single source. With the WinCoS.r2 plant automation we have realized an optimal and future-oriented solution for our production plants. We are fully satisfied with the Buhler plant automation.”

Lantmännen Mills A/S, Denmark  
Jim Trudslev, CEO

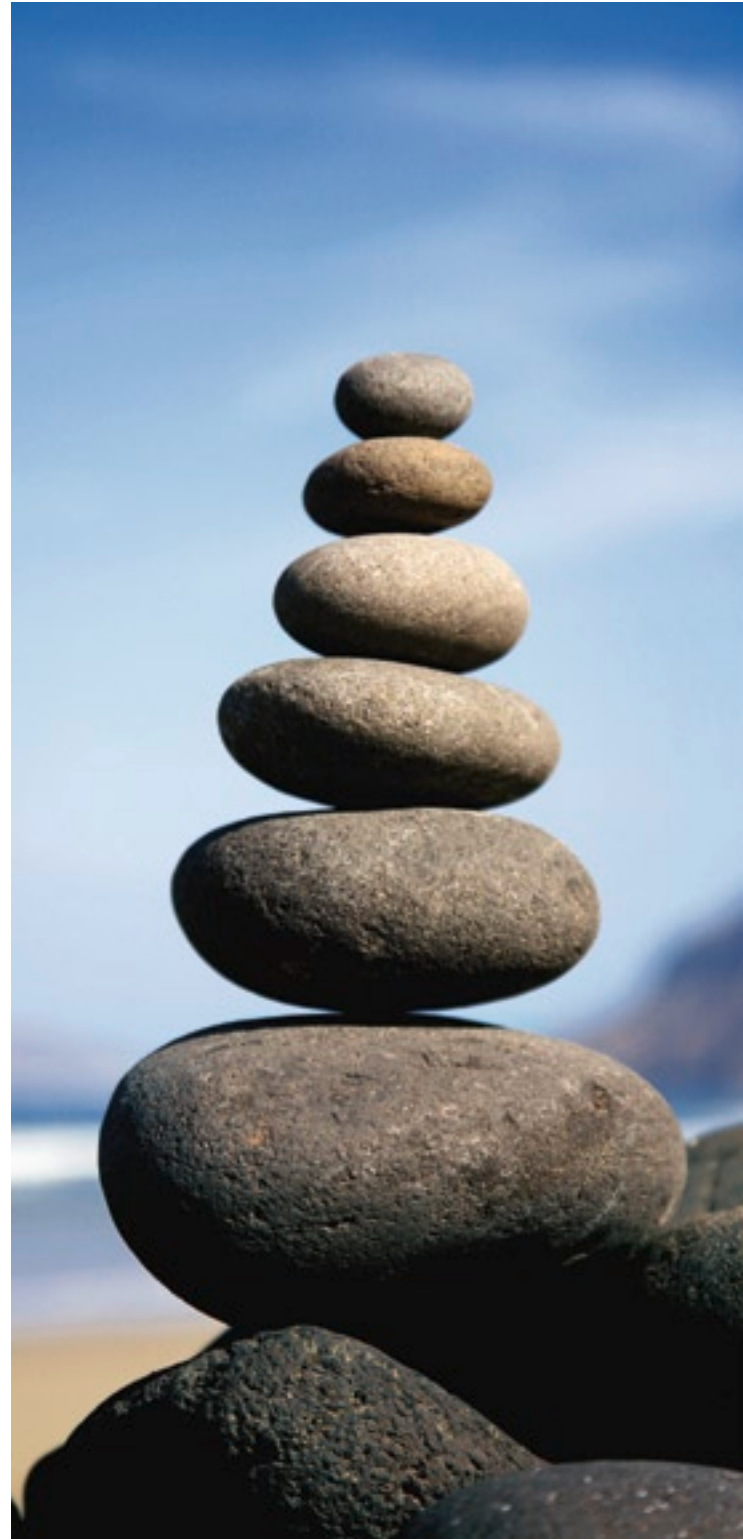
## **Convincing Options:**

- Standby concepts
- Management information (KPI)
- Product traceability
- Contamination control
- Energy management
- Parameter tuning
- On-line language and culture change
- On-line help



“WinCoS is the ‘Best Automation Solution’ for grain processing. I am very satisfied with Buhler’s WinCoS Automation solution because it is very flexible and user-friendly. In addition, Buhler has excellent 24/7 support. Our plant runs efficiently at a lower production cost; we have reduced production losses and improved consistency of product quality.”

Siemer Milling Company, USA  
Sunil Maheshwari, Director of New Product Technology



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