



How can you optimize quality and productivity in the brewing process?

SIMATIC PCS 7 BRAUMAT: The scalable process control system ensures continuous, efficient process automation.

Answers for industry.

SIEMENS

A new chapter of the BRAUMAT success story

BRAUMAT has been a fixed asset for many years. A considerable number of breweries worldwide, from regional operations to international groups, benefit from integrated and efficient process automation with BRAUMAT. We want to continue this success story with a new chapter about reliable, powerful and cost-effective process control technology.

It was essential for us to align BRAUMAT even closer with the current and future requirements of the brewing process. Our goal was a solution that supports you in increasing your productivity and protecting your investments. We achieve this, while working closely with leading brewery equipment suppliers, by leveraging our industry-focused process expertise from hundreds of successfully completed international brewery projects for the innovative SIMATIC PCS 7 process control. The result of these efforts is the scalable SIMATIC PCS 7 BRAUMAT.

With systematic approaches, proven industry solutions and reusable standards for any brewery application, SIMATIC PCS 7 BRAUMAT provides exactly the functionality that you need for your brewing. Whether this is a small plant or a complex and demanding batch operation, whether you plan a new plant or want to expand or modernize your existing facilities.

Fact is: SIMATIC PCS 7 BRAUMAT is an especially cost-effective solution for any kind of brewing process.

Flexible control system for demanding tasks: SIMATIC PCS 7 BRAUMAT

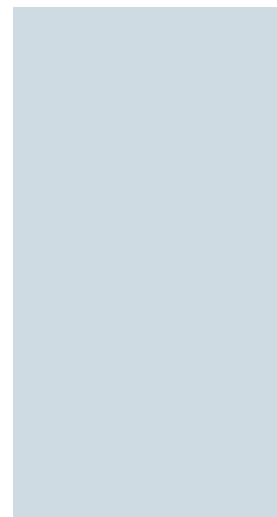
SIMATIC PCS 7 BRAUMAT is a modern and forward-looking control system, especially for medium-sized and large breweries and all areas of beer production. The scalable and especially flexible system enhances the powerful control system platform SIMATIC PCS 7 with SIMATIC Batch to provide key functionality for efficient batch operations. High transparency and consistency are ensured by the graphics engineering for PLC, HMI, and batch as well as detailed runtime diagnostics.

Consequent forward-looking approach

Through its highly modular design, the batch package of SIMATIC PCS 7 BRAUMAT meets the requirements for mapping the plant structure and the brewery process according to ISA S88.01 and is FDA-compliant. In addition, it offers you a graphical recipe editor and the capability to run the recipe logic at the control level (AS-based batch). A standard interface enables the system to be connected to a higher-level MES system such as SIMATIC IT.

More flexibility for new products and solutions

Shorten your response times – this is possible with SIMATIC PCS 7 BRAUMAT and will enable you e.g. to make changes to recipes that are created graphically, by yourself. The system can immediately be adapted to new products. You can respond faster to any changes in product safety regulations or environmental protection.





Constantly high product quality

SIMATIC PCS 7 BRAUMAT supports you in your efforts to fully meet the requirements for quality, end-to-end traceability as well as documentation. Process flows can be reproduced, batches logged more easily. There is always a reference to the recipe used, all reference and actual values are recorded, and all manual interventions are logged.

More availability of process

Reduced downtimes due to consistent, error-free configuration data – this is ensured by the system's end-to-end approach. In addition, we offer tested and proven software libraries. The comprehensive system diagnosis of all components enables the fast elimination of problems. The system can be protected against hardware failure with redundant components.

Intelligent route control

An interesting option package for SIMATIC PCS 7 BRAUMAT is the Route Control System. The intelligent and flexible standard-based system for route control facilitates the simple definition and control of all material flows within the brewery. At runtime, it offers a detailed diagnosis of all active transfers.

Easier recipe generation and control

By implementing the process logic in the recipe instead of the PLC, the recipes become flexible tools for the optimization of quality and productivity of brewing. Implementation is done with the help of a graphical, easy-to-learn editor.

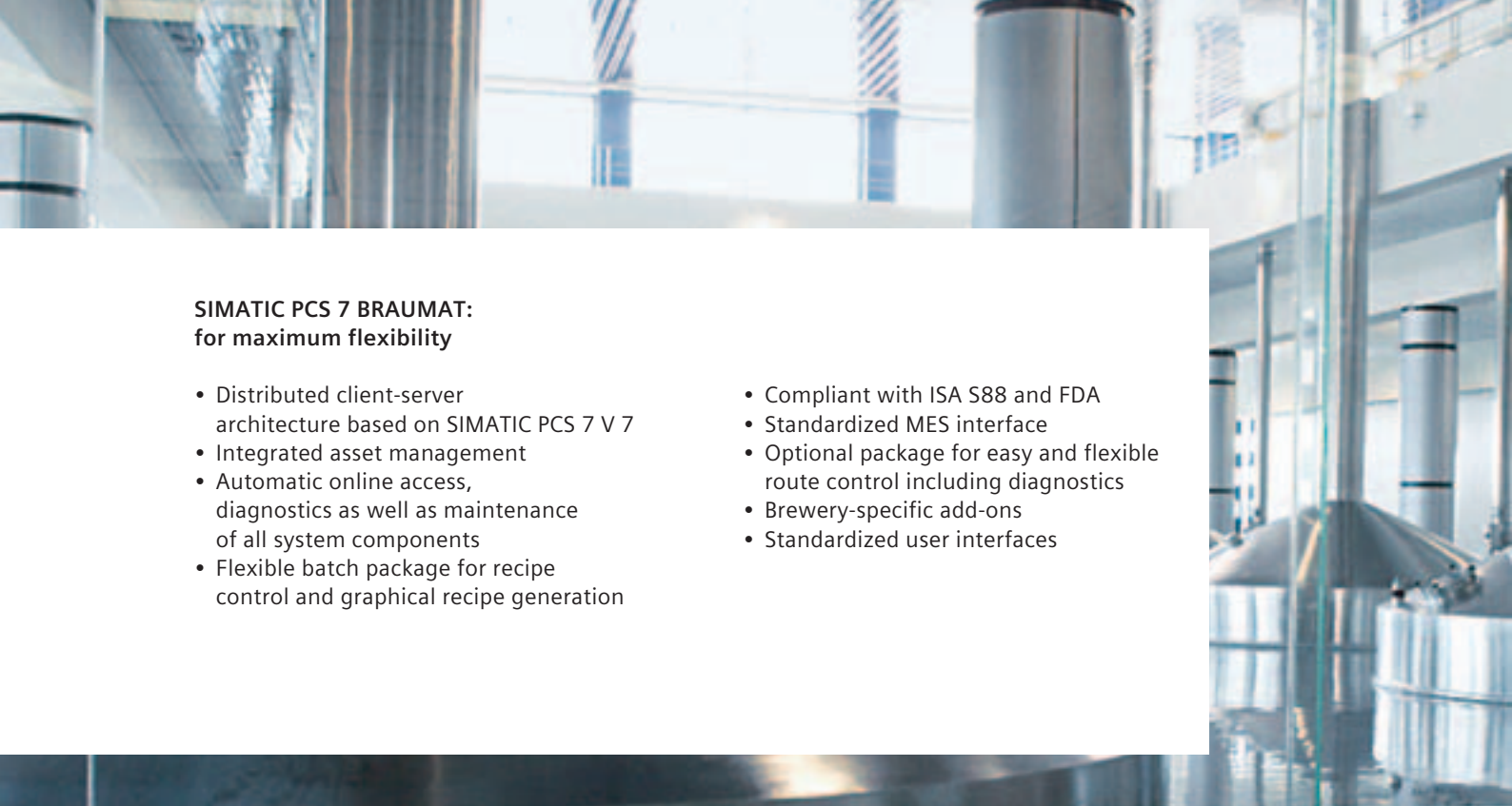
Less engineering required

Tested standard software as well as a brewing library reduce the effort and cost of engineering.

A central engineering system, from the I/O level to process visualization to the batch system, ensures maximum data consistency. Time-saving tools enable automatic mass engineering, e.g. for valves.

BRAUMAT classic

And last but not least: We offer suitable strategies for our existing customers to maintain their installed base, protect their investment and to enable a future transfer to SIMATIC PCS 7 BRAUMAT.



**SIMATIC PCS 7 BRAUMAT:
for maximum flexibility**

- Distributed client-server architecture based on SIMATIC PCS 7 V 7
- Integrated asset management
- Automatic online access, diagnostics as well as maintenance of all system components
- Flexible batch package for recipe control and graphical recipe generation
- Compliant with ISA S88 and FDA
- Standardized MES interface
- Optional package for easy and flexible route control including diagnostics
- Brewery-specific add-ons
- Standardized user interfaces



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Subject to change without prior notice
Order No.: E20001-A90-T110-X-7600
DISPO 27903
o2e GC.CC.FB.XXXX.52.0.02 WS 08101.0
Printed in Germany
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