Brewing faster and easier – With constant quality

BRAUMAT combines recipe control, replay mode, redundancy, and route control into an integrated standard solution

Innovation guarantee on the way to digitalization

The new hardware platform SIMATIC S7-1500 offers additional new possibilities. Your efficient engineering with TIA Portal and other new functionalities makes your process control faster and more secure – also in combination with your existing SIMATIC S7-400!

Flexible production planning

A flexible job order planning and charge planning enables an optimal production process with variable parameters. You can react instantly and efficient on changes during your production process.

Recipe system

Follow the progress of your production processes on the screen: The recipe system provides you with graphical information on the status of each individual unit (i.e. mush tub). Intuitive dialog boxes are used to add operations and recipes. The recipe system is, of course, compliant with the international ISA-S88.01 standard.

User-friendly operation

Clear, simple and reliable: the un-complicated operating concept ensures safe plant control. Authorized personal can intervene manually whenever necessary.

Process transparency improved

The integrated recording of all relevant process data and parameter enables the time shifted observation and analysis of all process screens and process dynamics. This replay mode offers the functionality of a process screen recorder. Best benefit has this approach for the instant fault detections, service purposes and for training new operators.

Graphical recipe system showing an actual recipe sequence
Tank management
BRAUMAT gives you the opportunity to manage your tank farm according to the actual tank information. Based on this information you can plan your tank farm in a cost effective way without losing the control in the automation.

Route Control System (RCS)
With the Route Control System (RCS) you save energy and time with transparent structuring of your production routes! Like an electronic route planner, the system knows that preferred highway is currently closed for construction work and selects an alternative. RCS was developed for the automation of extensive piping and transport routes, as found, for example, in silo and tank farms with complex systems of piping.

BRAUMAT Lean
For the automation of small craft breweries or of equipment that is separated by area BRAUMAT Lean offers the perfect entry into the process control system technology. The basic license supports up to four units and can be upgraded in three grades or directly to the full BRAUMAT system. The Lean means the limitation to one PCU and one server.

Trending, logging and archiving
The trending function gives a real insight into your production-process: simultaneous acquisition, logging and archiving of analog and digital data from all areas of the plant facilitates enhanced plant transparency. The data will be batch- and time-related logged and archived. This allows technologically related curves to be displayed in the same chart. The comparison function allows you to call up any curves form the archive. Every production order is stored in a stepping protocol consisting of the entire recipe data, all the process steps, associated set points and actual values. Any modifications made to the process are recorded in the activity log on a batch-related basis.

Energy management for cost reduction
BRAUMAT in combination with the SIMATIC Energy Manager helps to lower the operating costs and fulfills at the same time the statutory provisions efficiently and plant wide according to the DIN EN ISO 50001. The SIMATIC Energy Manager starts with the Basic version for small plants.

BRAUMAT and SIMATIC IT MES
BRAUMAT can be connected to a SIMATIC IT MES. It allows you to evaluate production relevant data in one system including also the packaging and auxiliary parts of the plant. When you connect it to your laboratory system SIMATIC IT Unilab, you can react much faster in your real production and the result of the analysis can be back flushed into the MES or the BRAUMAT system.

BRAUMAT: Your benefits at a glance

- Consistently high product quality through standardization of the production processes and automated process pictures
- Process optimization through detailed analysis and easy adjustment of the plant and process parameters
- Improved plant availability by supporting maintenance and servicing of the plant elements
- Simplified product manufacturing through a modern recipe system based on the international ISA-S88.01 standard
- Cost reduction through automated production processes and information flow
- Investment protection by using the hardware platforms SIMATIC S7-400 and the new S7-1500
- Expandability with energy management and IT MES functionality originally by Siemens

Example for a batch report

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.