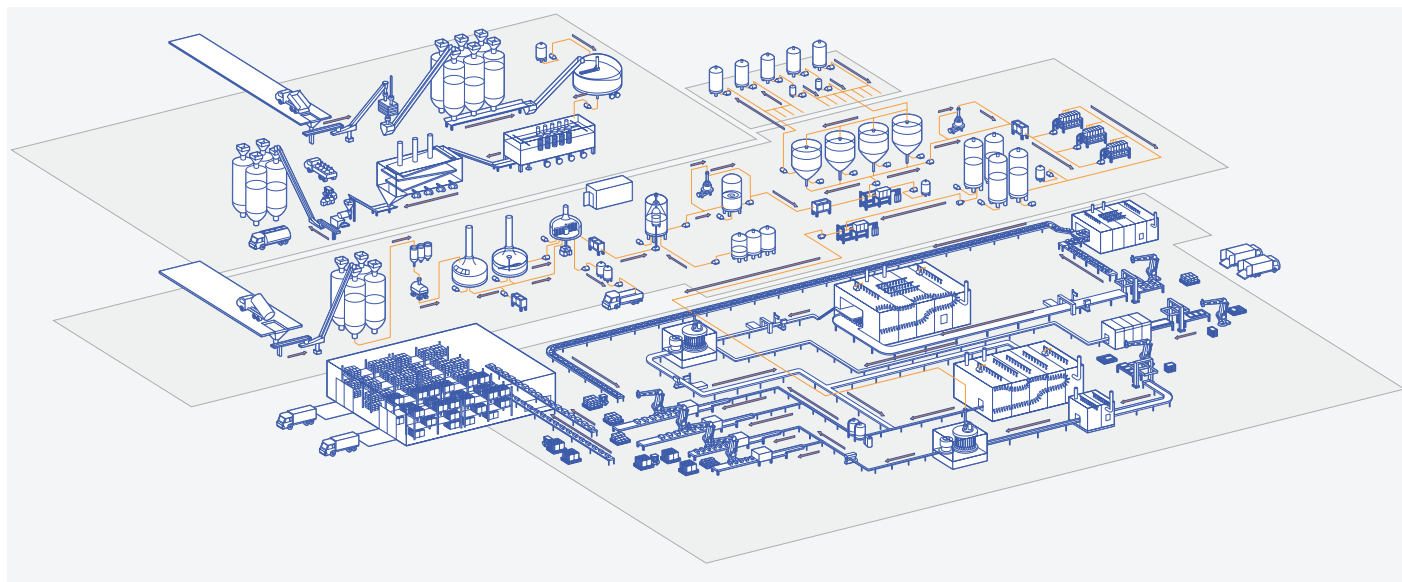# Control systems for the beverage industry
Increase your success with delight

We support you in delivering good quality and optimal price-performance ratio in compliance with strict legal requirements. ABB provides solutions for breweries and distilleries, beverage manufacturers, dairies, manufacturers of edible oil, sugar, chocolate, coffee, bakery, confectionery, grains, meat, poultry and other food ingredients.

Regardless of the control systems you use today, or whether you convert or rebuild production facilities, ABB can be a suitable partner for you.

With the portfolio of automation products and systems from ABB, you can meet your requirements, for example:
– Securing reliable processing
– Increased manufacturing flexibility
– Meeting price competition: launch innovative products and enter new markets
– Working according to industry standards and Good Manufacturing Practices (GMP)

As a global supplier of process control systems, ABB offers a range of scalable solutions for the food and beverage industry:
– Batch and recipe management of single-product or multi-product production processes
– Traceability of batches
– Industry-specific software applications
– Information management: Data transfer to external systems and business systems
– Production planning, control and logs
– Retrieval of data, archiving and analysis
– Consistent engineering from field devices up to the display

Power and productivity
for a better world™

ABB

Our automation products for your profitable production

The food and beverage industry brings with it a variety of companies of different sizes, medium-sized breweries or large brewing and beverage companies and specialized companies. We supply products and solutions to meet your requirements for your production processes. ABB technology is already in use and proven in thousands of installations worldwide.

Process control system Freelance

Freelance offers potential savings in terms of time and costs in engineering, commissioning, testing, preventive maintenance and repair e.g. using pre-configured components such as faceplates and automatically generated sequential function charts.
Additional features and benefits:
– Freelance Formulation for recipe control
– Simple batch management with S88 function blocks
– Preconfigured components for the control level (HMI)
– Easy installation and configuration including fieldbuses and visualization
– High reliability: Proven function blocks for a variety of applications
– Information Management
– Easy back-up of applications
– Connection to third-party PLCs

Decathlon Software

A platform that brings together data from different sources and allows implementation of production logic. Aspects of detailed planning, control, energy management and plant asset management are included. New associations are created between sensor data of intelligent machines, products and equipment and KPIs. For this purpose, we offer a range of software solutions and apps tailored to your requirements.

Process control system 800xA

System 800xA provides at the same time the functionality of an electrical control system, a safety system and a collaboration enabler with the capacity to improve engineering efficiency, operator performance and asset utilization.
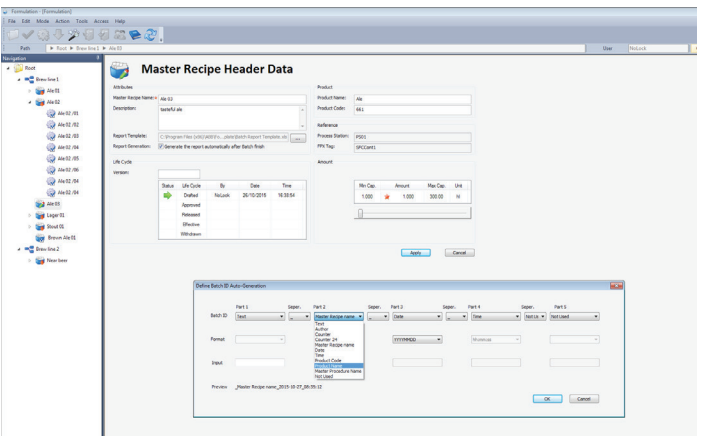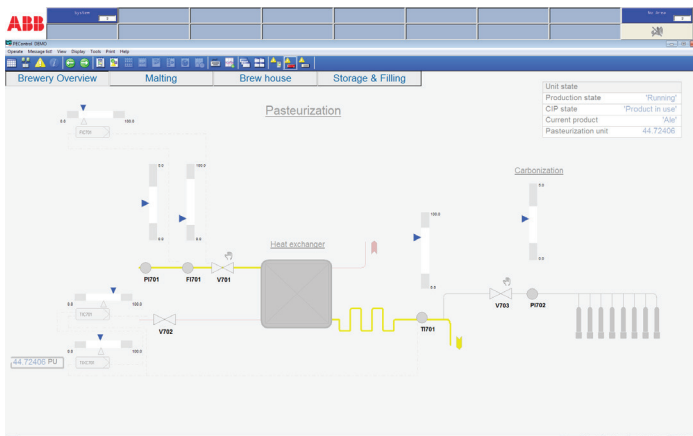Additional features and benefits:
– ProBase library for applications in the food and beverage industry
– Batch Management
– Smart Client
– Asset Management
– Integration of electrical equipment
– High Integrity Safety System
– Connection of third-party systems such as PLCs, control systems, ERP systems, etc.

Compact Product Suite

Whether in combination or stand-alone application – the products of Compact Product Suite allow you to create solutions for your automation tasks:
– Process controllers, I/Os, operating & monitoring (HMI), operator panels
– Panel-mount controllers and indicators
– Paperless screen and circular chart recorders

Manufacturing Execution System (MES)

Production management including electronic work instructions, quality management, weigh and dispense, material and resource management, downtime management, etc.:
– Paperless manufacturing
– Equipment optimization
– Energy management

System 800xA, Freelance and Compact Product Suite have a long tradition in the food and beverage industry.

The scalability helps users choose the best possible solution according to their requirements: from a small application library with package units up to large automation solutions. The solutions provide options for subsequent extensions.

In an industry driven by consumer demands as well as by constant technical innovation, our solutions provide support for:
– Reliable and cost-effective 24/7 production
– Introduction of faster and more flexible supply lines
– Meet demands for track and trace and regulatory compliance
– High product quality through standardization of your production processes

In addition to process control systems, ABB also offers several other products, solutions and services for the food and beverage industry, such as:
– Measurement products for flow, pressure, temperature in hygienic design
– CoriolisMaster for flow and concentration measurement
– Motors and drives for applications in the beverage industry
– Robot solutions for packaging and handling

Additional information:

www.abb.com/foodandbeverage
www.abb.com/controlsystems

Note:

We reserve the right to make technical changes to the products or modify the contents of this document without prior notice. The properties duly agreed upon shall be decisive with regard to orders. ABB accepts no liability whatsoever for any errors in or omissions from this document.

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