EFFICIENT CONTROL SOLUTIONS FOR YOUR PROCESSES

PROBAT

THE COMPLETE SOLUTION

CONTROL AND AUTOMATION FOR PLANTS, ROASTERS AND GRINDERS

TOP-QUALITY SOFTWARE SOLUTIONS BASED ON PLANT DESIGN EXPERTISE

Reproducibility, quality assurance and process stability – these key aspects not only in coffee roasting but in the entire food industry have a decisive counterpart: the efficient capacity utilisation of all the plant sections involved in the production process. So it is a major benefit when the control system is provided directly by the manufacturer of the plant and the components. Because when it comes to controlling roasting plants, nothing can beat decades of roasting and grinding expertise, extensive plant know-how and comprehensive process experience. PROBAT employs more than 30 highly qualified software and hardware specialists who know exactly what they are doing and why. At PROBAT, our competence in machine and plant control systems has its roots deep in the construction and plant design. Our software, electrical and mechanical engineers work together to develop special solutions for the food industry.

CUSTOMER REQUIREMENTS AND MARKET TRENDS

Of course, one thing that is of paramount importance is to involve our customers closely in developing control systems. With this in mind our development process is driven by constantly evolving customer needs and constructive dialogue. This is the only way to create optimum control solutions for efficient and smooth-running processes. Only in this way can we be sure to avoid possible overload or under-utilisation of individual components. And only in this way can we ensure the long-term competitiveness of our customers. PILOT PLANT solutions are highly efficient plant control systems for food-processing operations. They ensure faster and more reliable processes. The product portfolio ranges from the basic version with its semi-automatic control system, developed especially for smaller product lines and independent production sections, up to the PILOT PLANT Excellence series, a

complete plant control system featuring integration of all production-critical plant components.

PROBAT
PILOT

CONTROL SYSTEMS FOR COFFEE ROASTING OPERATIONS

Green, roasted and ground coffee, different varieties in the production process, frequent recipe changes and various blends – whatever state coffee is in, it always has its own particular characteristics. And they are always different. Our control systems are tailored for batch or continuous processes and are designed specifically to deal with

the special needs of this very lively product – coffee.

The functionality and equipment features reflect our extensive knowledge of coffee, our unique planning expertise in plant design and our decades of experience in roasting and mechanical engineering. They ensure maximum flexibility during ongoing processes, allow optimum automation and guarantee the best possible reliability. PROBAT offers you PILOT PLANT control solutions in the following versions: Basic, Standard, Professional and Excellence.

The entire plant is mapped in animated graphic flow charts on the PILOT PLANT display. An overview display shows the general plant status and this can be further broken down into the three areas green, roasted and ground coffee. Any malfunctions in the production process are immediately visible on the visualisation overview monitor. Detailed information can be called up with a simple mouse click on the required category.

THE BENEFITS OF PROBAT PILOT PLANT AT A GLANCE:

- Proven, innovative and easy-to-use control solutions programmed directly by the equipment manufacturer

- Highest coffee competence in terms of plant technology, roasting and grinding

- Ongoing development of the control concept on the basis of customer requirements and market trends

- Automation of all plant components possible – incl. roasting machines

- Optimally tuned for maximum output as well as efficient and smooth-running processes

- Maximum flexibility and convenience thanks to extensive features and functionality

- Integration with existing ERP systems possible

- Traceability along the entire value chain in accordance with IFS (tracking and tracing)

- Maximum reliability due to user management and an extensive alarm management system

- Future-proof and flexible PLC

- Large memory capacity for storing recipes, blends and type definitions

- Optional online moisture, online colour and inline grain measurement

- Numerous proven control systems installed

PROBAT

PROBAT