

Lab coating colour kitchen

Precisely manage preparations and develop new formulations

The ABB lab coating colour kitchen is designed to help our customers with the development of new formulation/recipes. Including a dispersing unit and a cooker installed on a skid, it integrates ABB expertise in mixing and control systems.

Thumbnail coating kitchen

The ABB lab coating colour kitchen consists of a 50 liter mixer and a 100 liter batch cooker. These are made of stainless steel and operated by direct motors with speed inverters.

A pump transfers the product from the disperser to the cooker and operates at adjusted flow-rate and feeding speed. The pump is also used for the cleaning in place of the vessels and circuit loops.

The skid includes the necessary pipes to connect to utilities, among others to the customer's boiler used to heat or cool the cooker. The boiler can be supplied by ABB as option.

The ABB lab kitchen is of sturdy construction and easy to use. Delivered as skidded unit on a frame, it is pre-tested in factory and ready to install.

Comprehensive system with recipe manager

The ABB lab kitchen is a comprehensive system including all ABB leading-edge technologies: motors, frequency inverters, PLCs, switches, flow meters and temperature sensors.

It is supplied with its own control cabinet and an operator terminal equipped with the recipe management software Papcel™. This



software is developed by ABB to ensure the entire management of product formulation, sub-recipes and recipes, production batches and cleaning sequences as well as parameter setting to optimize the production. Papcel™ allows accuracy, repeatability and traceability of trials.

Advantages

ABB lab coating kitchen is delivered as skidded unit with an integrated control system. It offers the following advantages:

- Simple and quick installation
- Ergonomy and easy use
- Precise management of preparations, traceability and repeatability
- Record and retrieval of data for tracking and analysis.
- Self cleaning function.
- Low maintenance.
- Help to validate new formulaes for industrial production or future plant.

Pulp & Paper applications

- Coating preparation
- Starch preparation

Contact us

ABB France

Process Automation Division

Cellier Activity

700 bd. Jean-Jules Herbert

P.A. des Combaruches

73100 Aix-Les-Bains, France

Tel.: +33 (0)479 35 05 65

Fax: +33 (0)479 88 37 71

E-Mail: info.cellier@fr.abb.com

www.abb.com/pulpandpaper

Brochure not contractual. All rights of modification without prior notification.