



Color Loop includes: Automatic online color control and speck detection

Blending is essential for achieving consistent quality in the final product by optimizing the combination of flours to meet specific characteristics such as color and texture. The Color Loop, driven by real-time color and speck analysis, automatically adjusts and refines the blending process for consistent results and reliability in every batch.

The automatic adjustment algorithm continuously controls blending based on real-time inline and online sensor feedback. This maintains consistent production, while achieving optimal flour blending profile within predefined bounds. Maximizing flour extraction and minimizing specks in final product has never been as easy as with the Color Loop. Data documentation further reduces lab test efforts and greatly increases traceability.

Color Loop includes:

- In-line and online color and speck detection sensor
- Control algorithm for automatic blending adjustment
- Customized engineering solution based on plant requirement
- Data visualization via Bühler Insights platform (optional)

Requirements:

- Advanced automation system (optimal functionality achieved in combination with WinCos/Mercury MES)

Benefits



Optimal blending output

- Consistent quality and stable production
- Real-time color and specks analysis in final product



Reduced tests and risk of errors

- Minimized risk of human errors during sampling
- Reduced lab test effort with real time feedback for process optimization



Data transparency and traceability

- Once measured quality characteristics are stored allowing for tracking of trends, trace and review and more

Interested in getting a quote?

Contact your local Bühler representative
or get in touch with us at:
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