



AutoBlend Systems

Dye Injection for Online Color Control

Advantages

- Reduced color and grade change time lowers production costs and increases production levels.
- Off-color paper production is reduced, lowering costs and decreasing lost production time.
- Dye use is minimized. Consistent production improves end-product quality.
- Operator safety is improved.

Who Would Benefit?

- Paper mills producing tissue paper, fine papers (bond cover, text, envelope, etc.), coated paper, newsprint, directory paper, and specialty grades.



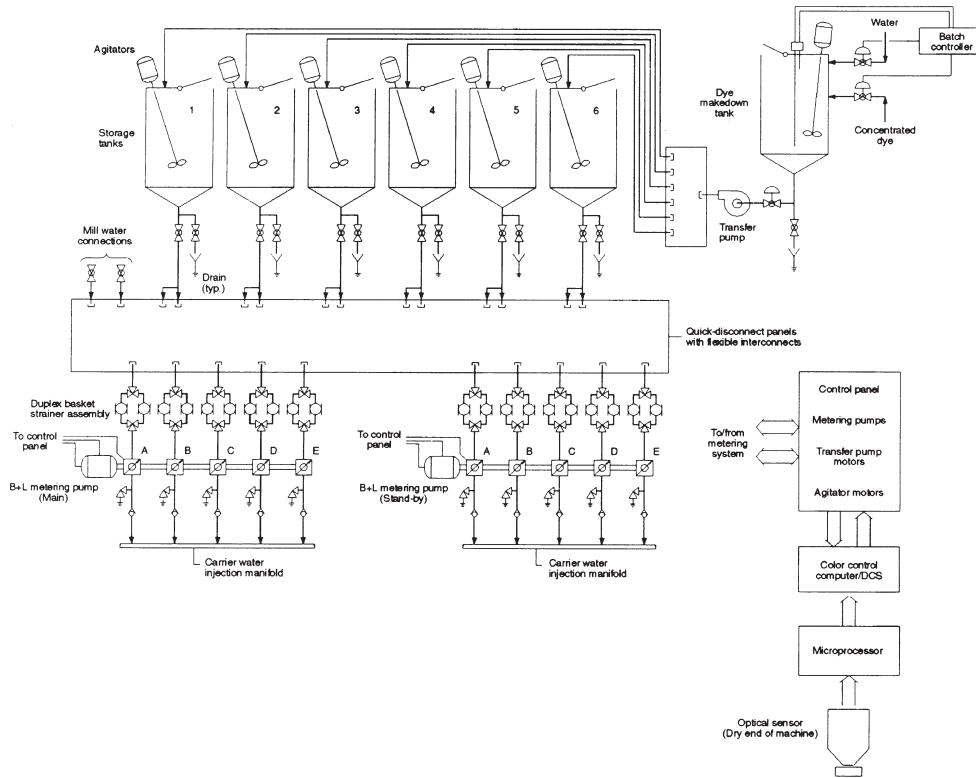
System Operation

A Bran+Luebbe metering system continuously adds the proper amount of dye to incoming paper stock. Online color sensors and computers determine paper color and convert this information into numerical values. A color computer compares the numerical values to target values, calculates any differences, then sends appropriate signals to the stroke length controllers to adjust dye flow rate(s). Refer to the diagram below.

Why should you be interested?

- Color matches are improved, and shade variations are reduced within production runs.
- Color fluctuations and incoming pulp stock colorability (especially with secondary fiber stock) are eliminated.

Simplified process diagram



SPX
WHERE IDEAS MEET INDUSTRY

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