

# AutoBlend Systems

## Paper Industry

### Stock Preparation for Paper Making

#### Advantages

- Savings of expensive basic materials by accurate metering.
- No preparation and mixing tanks required.
- Limited space requirements due to compact design of plant.
- Suitable for various open and closed loop control systems.
- All metering, blending and control elements are combined in a single unit.
- Once set, the mix proportion will be maintained, resulting in uniform product quality.
- All metering, blending and control elements are combined in a single unit.
- The Bran+Luebbe building block system allows for future extensions without major expense.



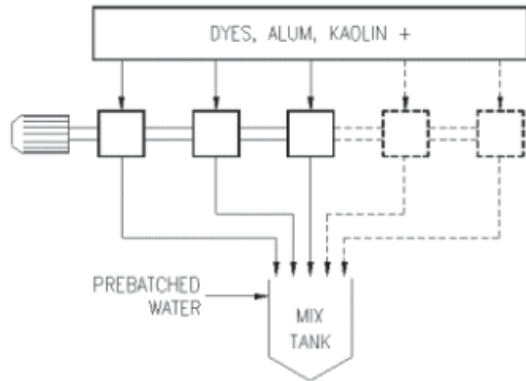
## Problem

Continuous preparation and metering of a ready blend of papermaker chemicals, such as kaolin suspension, chalk slurry, alum, size, retention agent, dyes, stearates etc.

## Components

- 6 headed Bran+Luebbe metering pump, dry break connectors for material selection and cleaning.

## Simplified process diagram



## Automation

- Speed control of all chemical addition relative to pulp flow or paper machine speed.

## System Operation

The basic materials required for the blend are drawn from the storage tanks by the Bran+Luebbe metering pump unit and metered into the mixing chest or into the pump flow. The volumes required for the mix proportion desired are determined by setting the plunger stroke lengths of the individual pump-heads. Setting and variation of the plunger stroke length are effected manually or by electric or pneumatic remote control. The metering pump in it is equipped with a variable speed drive for controlling the total volume of the product. The variable speed drive is frequently controlled as a function of the pulp flow of the mixing chest level, or of the paper machine speed.

**SPX**<sup>®</sup>  
WHERE IDEAS MEET INDUSTRY

Your local contact:



Bran+Luebbe, An SPX Brand  
611 Sugar Creek Road, Delavan, WI 53115  
Phone: (800) 252-5200 or (262) 728-1900, Fax: (262) 728-4904  
E-mail: [bl@spx.com](mailto:bl@spx.com)

For more information about our worldwide locations, approvals, certifications, and local representatives, please visit [www.branluebbe.com](http://www.branluebbe.com).

SPX Corporation reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing.