

INDUSTRY: PULP AND PAPER

PRODUCT: CONSISTENCY OF WOOD FIBERS IN WATER

APPLICATION:

1. Measure the Consistency of a Fiber and Water Slurry in the Pulp and Paper Industry.
 - a. Recycled Fibers for Paper Production
 - b. Virgin Fibers for Paper Production

This is a Continuous Process with our system being used for Closed Loop Control and Visual Monitoring.

DESCRIPTION: **The Customer wants to measure and control the amount of Wood Fiber in a Liquid Stream.**

The liquid slurry of interest must contain only Wood Fibers and Water. The following are problematic:

- **Coloring of the Paper to be Recycled. It should be de-inked.**
- **Fillers which were used when making the paper are still in the Paper to be Recycled. They may cause problems.**
- **Free Chlorine in the slurry which comes from the bleaching process**

BENEFITS:

COST SAVINGS

- The Customer will have more control and better understanding of the process.

REPEATABILITY: +/- 0.3 % is possible with a very good Calibration Curve.

MEASURING RANGE: .5% to 5% Concentration in the Kaolin Slurry is Typical.

HK EQUIPMENT: HK2-M IN LINE WITH A TWO INCH TEFLON LINED SPOOL PIECE

