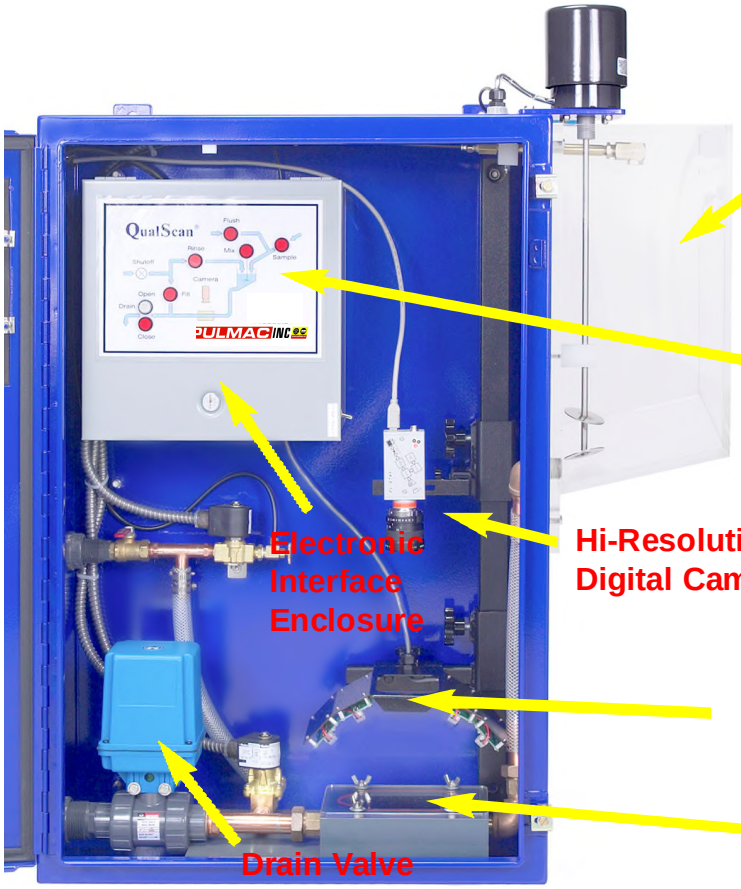
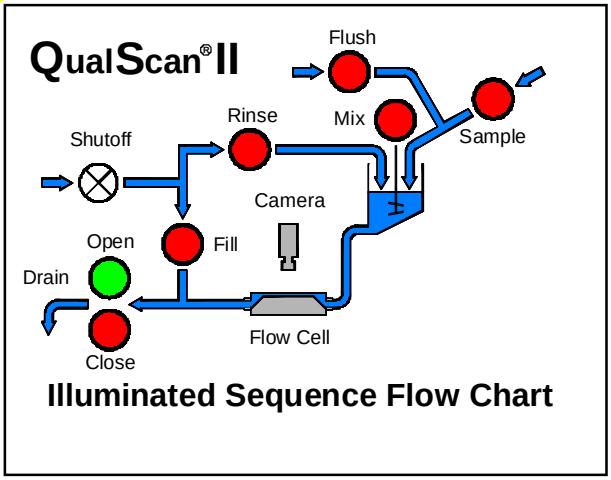
QualScan® II

Fibre Analyzer for fast, accurate, and affordable determination of fibre length and width.

Both on and off-line configurations are installed in sites across the

Americas, Europe, & Asia

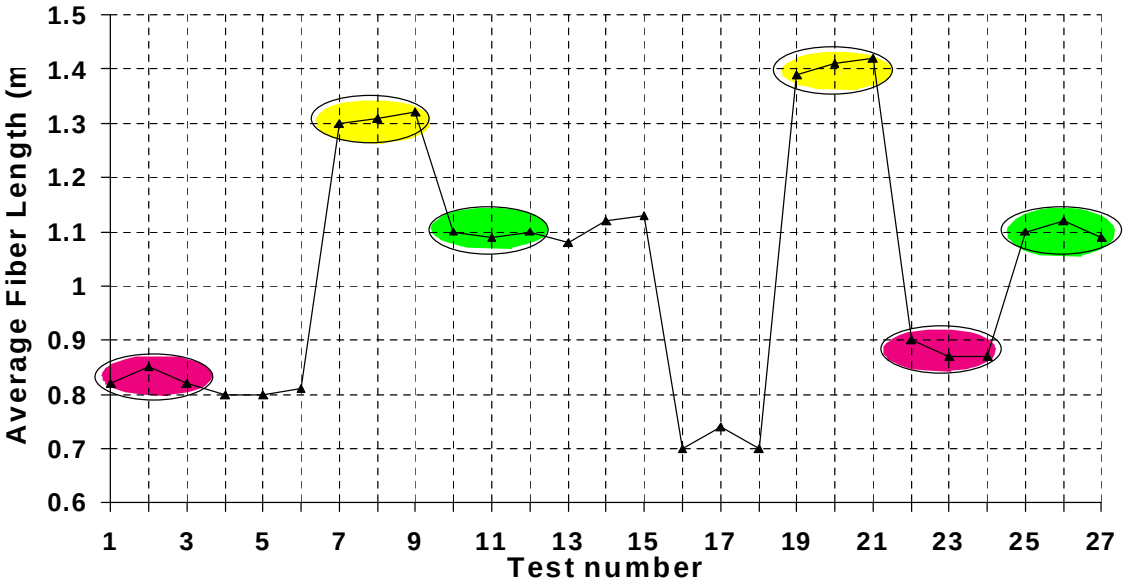




Laminar Flow Cell 250+ mm/sec

In Brief: Size distribution of furnish is key in the manufacture of pulp. Frequent fibre size determination is required to optimize production. The QualScan® II measures fibers, shives, and dirt for rapid and accurate dimensional information. A high-resolution image is taken of the flowing dispersion 10 times a second. Length, width, and area of each particle is determined.

Repeatability



Nine blind samples were each tested 3 times. In the nine, there were 3 pairs, indicated here as yellow, green, and magenta.

GENERAL: The QualScan®II consists of a Sample Handling Enclosure with a high resolution camera, a PC Controller, and application software with many features. For on-line application a sampling system and actuator are required. Once a test is initiated, either automatically or manually, the test is completed and results are displayed within 2-5 minutes.

SIZE HISTORY CHARTS of area, length, aspect ratio, and width may be displayed in up to ten categories by size. Also, Fines, Averages, and Shives of each may be displayed. Different databases and references within the database can be selected as can the dates of viewing. Left clicking on a point can bring up bar graphs and the datasheet. Right clicking allows reprocessing or deletion of a test. Size distribution of tests are displayed by bar graphs. Comparisons up to 10 tests may be shown at one time. All tests can be reprocessed using different configurations and filter settings. If desired, several tests can be combined.

UP TO 144 DIFFERENT SCATTER CHARTS of all User-Defined Strings can be displayed against test parameters. Clicking on a point brings up the data of that test. Note that in this example the same Average Length was achieved at a number of Specific Energy levels.

SERVICES AND MAINTENANCE: Requires 120-240 VAC power, 4-6 bar, clear, bubble-free water, and a 1m minimum elevation gravity drop for draining. Dirt can build up on the flow cell cover glass. Removal, cleaning, and replacement in less than 5 minutes.