

Abbott Laboratories CELL-DYN 4000 Blood Analysis Instrument

THE CHALLENGE

Visualization of complex laboratory data is key to understanding results. Abbott Laboratories' CELL-DYN 4000 uses multiple technologies to bring new automated parameters to the hematology (blood analysis) laboratory. This state-of-the-art technology performs analysis of RNA, DNA, white and red blood cells, and platelets. Performing quick and precise results of analysis that is easy to read and understand is the key to processing successful laboratory results. The CELL-DYNE 4000 required a graphical interface tool that could provide easy to read interfaces for complex data at a low cost that would also supply a timely solution for a quicker time to market.

THE SOLUTION

Visualization for the multi-faceted data of Abbott Laboratories' CELL-DYN 4000 is made possible with Sammi graphical interfaces. Sammi provides an HMI interface that is easy to interpret for users of high-end laboratory equipment that can be expected to process up to 106 samples per hour. The readily available dynamic objects and lightweight Runtime make Sammi an ideal graphical interface processing solution for the CELL-DYN 4000. A minimal amount of integration effort is necessary since Sammi's Runtime processes its own displays based on incoming data from the CELL-DYN application. Abbott Laboratories continues to show a confidence in the use of Sammi for displaying graphical interfaces with its next generation of hematology analysis instrumentation, Sapphire. Abbott Laboratories and Kinesix Software continue an outstanding relationship as Abbott extends their product line into the 21st century.



CELL-DYN 4000 Blood Analysis Instrument interfaces supplied by Sammi.

- **Industry:**
Medical
- **Application:**
Hematology (Blood Analysis)
- **Benefits:**
 - ◆ Provides HMI Interface that is easy to understand
 - ◆ Lightweight Runtime requiring minimal integration effort

About Kinesix

Kinesix Software develops, markets and supports software development tools used to rapidly deploy client/server and Web-based visualization and control systems with real-time, interactive graphics. Kinesix has supplied graphical interface solutions to aerospace, process control, biomedical and intelligent transportation applications around the world.

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