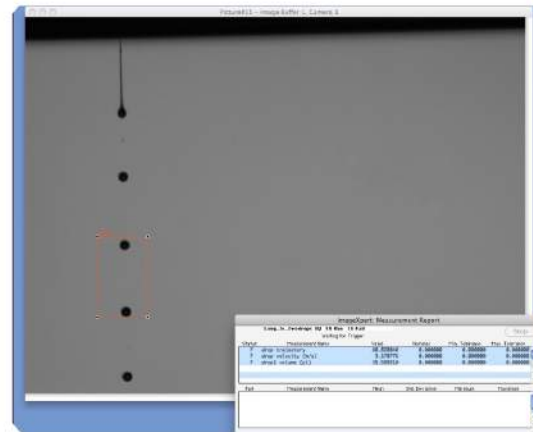


JetXpert Latency Analysis Option

Fully integrated system to assess first drop behavior after periods of non-printing



FEATURES AND BENEFITS

When ink remains dormant in a nozzle for a period of time, volatile components of the ink can begin to evaporate, resulting in a change in the properties of the ink near the nozzle opening. These changes often impact the behavior of the first drops ejected. JetXpert Latency provides two powerful tools to analyze the behavior of the ink after periods of non-jetting.

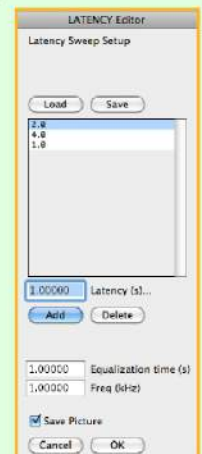
Latency Multi-Drop

Automatically images and measures the first, second, third, etc drops after any given period of idle time, to observe how quickly performance is recovered.



Latency Sweep

Automatically images and measures the first drop after each in a user-defined list of idle time periods, to observe the maximum time the ink may remain idle before performance is compromised.



- GUI for specifications of frequency, idle time, etc
- Integrated programmable signal generator receives commands from the JetXpert software for automated testing
- JetXpert provides analysis of drops-in-flight
- Measurements can include drop volume, drop velocity, drop trajectory, time of flight, and performance stability (statistics)