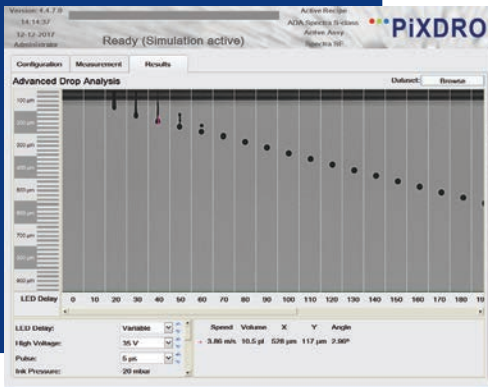




MEYER BURGER



# Advanced Drop Analysis

Automated drop formation research and quality monitoring

Advanced Drop Analysis (ADA) is an optional software utility for the PiXDRO LP50 and IP410 inkjet printers, and enables fully automated multi-dimensional research of the ink drop formation. This feature allows the user a fast and efficient optimization of the jetting performance for specific inks and printheads, to achieve best printing results on the substrate. Once an optimal waveform is created, ADA also allows validating that waveform for different nozzles, printheads and batches of ink, to provide process tracking over time.

ADA makes use of the integrated high-speed dropview camera to analyze the drop formation, while varying the jetting settings. The effect of each setting is then visually presented, and the results can be exported to specific printing recipes.

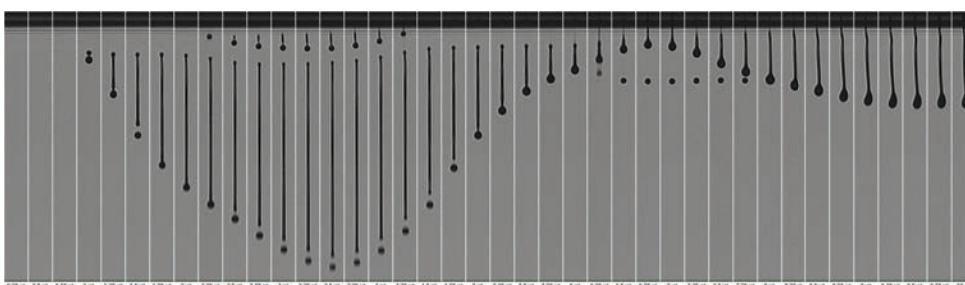
## Key advantages

- Automatic and advanced experiment sequencing
- Vary waveform, ink pressure and temperature for optimized drop formation and print results
- Control long term stability and nozzle-to-nozzle variation
- Visual and quantitative analysis of drop formation, angle, speed and size

## Main features

- Supporting FujiFilm Dimatix, Konica Minolta, OCE and Xaar printheads
- Integrated as a dedicated recipe in the PiXDRO user interface
- Includes results viewer, status check and export tool
- Optionally available and field upgradable on LP50 and IP410 inkjet printers

## Visualization of harmonic resonance



Collection of dropview images recorded at different waveform durations