Automated Print Optimization
Software package to quickly find the optimal print settings

As an extension to the Advanced Drop Analysis (ADA) software package, Automated Print Optimization (APO) is an optional software module for the PiXDRO LP50 and IP410 inkjet printers to quickly and effectively define the optimal print settings.

The APO software is designed for process developers who want to investigate various ink materials and substrates, and who need to define the best print settings to achieve their goals. APO unlocks the full potential of the printer by providing quick access to the various advanced print strategies. The automated print routine generates a matrix of patterns on a substrate based on the variation of pre-selected input parameters, enabling the operator to rapidly find the optimal settings for his application.

Key advantages

- Enables the best possible print quality
- Allows a fast and effective print quality analysis
- Runs independently, allowing more analysis time
- Automatic variations of all available parameters
- Results are directly visible for inspection

Main features

- Supports all printheads and parameters
- Match print and waveform settings with required layer properties
- Optimization of drop flow behavior
- Simulate nozzle failures at different masking strategies
- Monitor process stability over time
- User-friendly reporting format