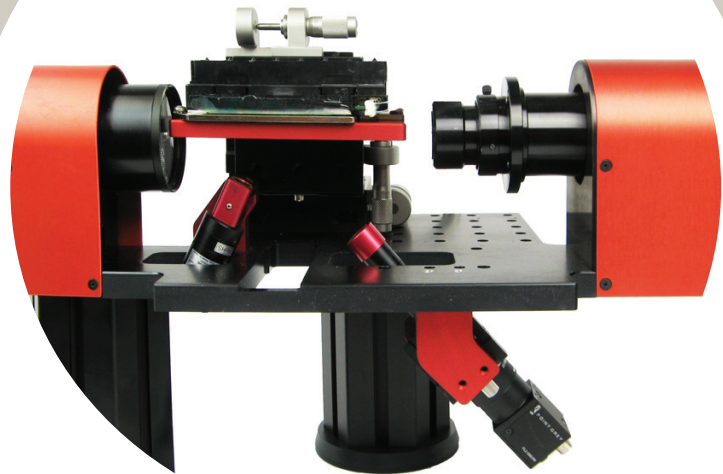


DX5 Ink Development Kit for JetXpert

Fully integrated JetXpert-based ink development kit for Epson's DX5 print head.

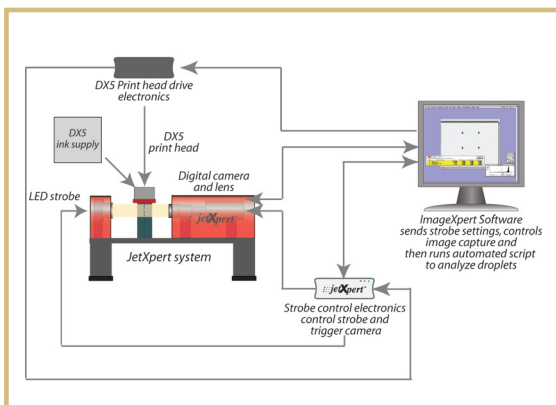


JetXpert-based Ink Development Kit for Epson's DX5 Print head.

FEATURES AND BENEFITS

ImageXpert's DX5 Ink Development Kit includes:

- JetXpert for dropwatching and analysis of drops-in-flight. Measurements include drop volume, velocity and trajectory.
- Custom DX5 driver for droplet generation
- DX5 Ink supply system
- Custom JetXpert mounting for the DX5 head with 1" travel
- Vacuum-powered syringe-based manual print head purge system
- Wetting visualization option available
- Kit is available for retrofit of existing JetXpert systems and as an option for new systems



DX5 Ink Development Kit

Fully-integrated JetXpert-based system, specifically modified for the unique characteristics of the Epson DX5 print head

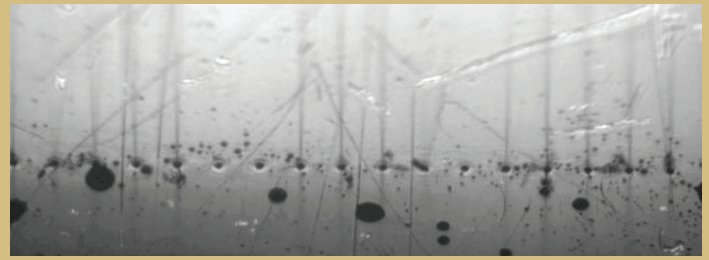


Image of DX5 Print Head Faceplate During Firing Using JetXpert's Optional Wetting Visualization Capability

Measuring the in-flight characteristics of droplets can aid in developing ink formulation and optimizing overall ink jet system performance.

Hardware

ImageXpert's ink development kit for the Epson DX5 includes a JetXpert system for dropwatching and analysis of drops in flight. Specially designed mounting hardware allows the unique DX5 print head geometry to be evaluated using existing and new JetXpert systems. A manual stage with 1" travel allows analysis of multiple rows of jets.

Ink Analysis Software

The JetXpert analysis software enables measurement of jetting performance including drop volume, velocity and trajectory. Measurements can be collected over time for trend analysis and statistical analysis to assess system stability.

Print Head Driver

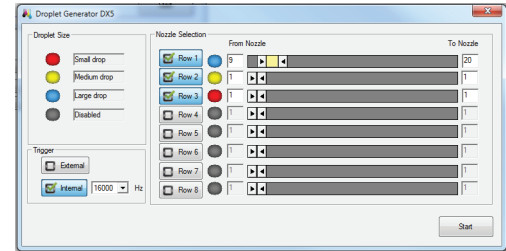
A proprietary DX5 print head driver is provided to trigger droplet generation for analysis of drops-in-flight. The driver includes an easy-to-use user interface.

Ink Supply System

A custom ink supply system for the DX5 enables efficient ink changeover, necessary during ink formulation development and optimization.

Manual Purge System

A vacuum assisted syringe-based purge system allows you to manually purge the head.



DX5 Print Head Driver User Interface

System Components

Drop Analysis	JetXpert for dropwatching and analysis of drops-in-flight. Includes calibration target.
Mounting	Custom mounting for DX5 print head. Includes 1" manual stage for print head positioning.
Ink Supply	Custom ink supply system for DX5 print head. Enables efficient ink changeover.
Driver	Custom print head drive electronics, specifically developed for the DX5. Includes user interface.
Purge	Vacuum-assisted syringe-based purge system for manual purge of print head.
Options	Second camera for faceplate wetting visualization