



# Waveform Development Services

From training, to development, to extended reliability testing, Meteor's committed team of technical specialists offers a tiered collection of tools and services for ink characterisation, print reliability analysis and waveform evaluation/optimisation.

- From the leading supplier of industrial inkjet printhead driving solutions
- Essential tools and services for waveform characterisation and development
- Available for all major industrial inkjet printheads

	Waveform Development Service <sup>1</sup>	Fluid Characterisation Service <sup>1,2</sup>	Enhanced Waveform Reliability Testing <sup>1,2,3</sup>	Training
Evaluation of drops-in-flight at Meteor's UK facility using state-of-the-art tools	✓	✓	✓	
Determination of drop volumes at various print frequencies for a particular fluid/waveform combination	✓	✓	✓	
Mapping of drop volume and velocity versus drive voltage and print frequency	✓	✓	✓	
Image generation of drop and ligament formation sequences	✓	✓	✓	
Characterisation of physical properties of a fluid to aid in reformulation efforts		✓	✓	
Fluid rheology analysis to understand viscosity profiles, surface tension, particle size and density		✓	✓	
Evaluation of open time and latency effects			✓	
Assessment of jetting reliability, fluid build-up and misting			✓	
Print reliability testing using standard images as well as customer provided application-specific images			✓	
Introduction to waveform development techniques specific to the printhead architecture of interest				✓
Training to use Meteor DropWatchers including system setup and software application procedures				✓

<sup>1</sup> Printhead, ink, flush and MSDSs provided by customer.

<sup>2</sup> To protect confidentiality and intellectual property, Meteor performs no compositional analysis on customer's ink. Fluid analysis is performed under NDA.

<sup>3</sup> Real-world performance is influenced by environmental conditions and fluid/substrate interactions.



**ALSO FROM METEOR:** An extensive suite of industrial inkjet solutions and tools designed for job preparation, print system workflow and image quality enhancement

Meteor Inkjet Ltd is the leading independent supplier of industrial inkjet electronics, software, tools and services. Working closely with all major industrial inkjet printhead manufacturers. Meteor offers production-ready solutions to print system builders world-wide.



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