

# Waveform Development Services

From training, to waveform development to extended reliability testing, Meteor's committed team of technical specialists offer 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 vs 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

printhead drive electronics • software • dropwatching systems

Meteor Inkjet Ltd is a 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 printer OEMs and print system builders world-wide.



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