

DropWatching Systems

Meteor DropWatchers evaluate and optimise printhead and ink combinations using production-ready electronics that can be transferred straight to manufacturing.

Allowing visualisation and characterisation of drops in flight while adjusting waveform parameters using live feedback, Meteor DropWatching Systems are:

- from the leading supplier of industrial inkjet printhead driving solutions
- essential tools for waveform characterisation and development
- available for all major industrial inkjet printheads



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Easy to use

- PC-based software with the intuitive and familiar Meteor interface
- Straightforward printhead mounting and alignment
- Simple calibration
- The ability to annotate drops in flight with associated setup parameters

Cost Effective

- Standard Meteor drive electronics for lab results that are directly applicable to the production environment
- Interchangeable printhead mounts and drive electronics
- Optional ink supplies (from simple syringe to recirculating)

Small Footprint

- A compact package for lab environments where space is at a premium
- Tools that are driven by a single windows 10 PC

Real-Time Analysis

- Live editing of waveform shape, voltage and grey level
- Double-strobe drop velocity and volume measurement with report-oriented data capture
- Direct observation of nozzle crosstalk and duty cycle
- Overlays for calibrated measurement at user defined throw distances

Printhead Evaluation Kit

Kit contains*:

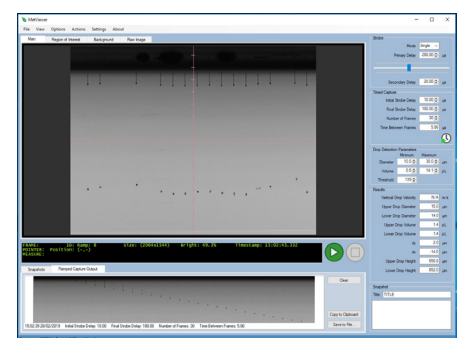
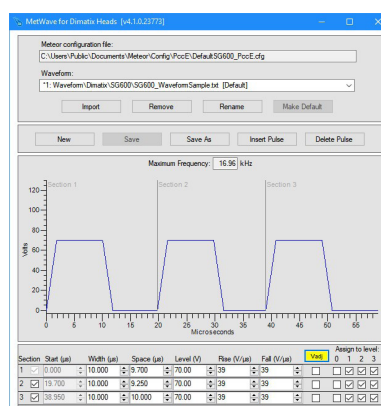
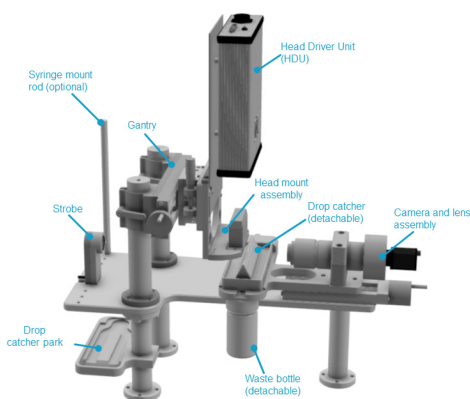
- 2064 x 1544 GigE camera, 3-axes mount, optics and high power LED strobe
- Live waveform editing and drop visualisation software
- DropWatcher Control Unit (DCU)
- DropWatcher Interface Unit (DIU)
- Printhead-specific Head Driver Unit (HDU)
- Printhead-specific head mount
- Detachable waste fluid reservoir
- Power supplies and cables

Optional extras:

- Drive electronics and mounts for additional printheads
- Ink supplies (from simple syringe to sophisticated recirculating)



* Printheads available directly from printhead manufacturers. Contact Meteor for referral. Excludes Windows 10 PC, ink, printhead and vacuum extraction.



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printhead drive electronics • software

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 print system builders world-wide.



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