With a track record of reliability and a reputation for technical expertise, Meteor helps customers realise the potential of industrial inkjet.

Meteor’s MetCal simplifies and automates printer calibration and nozzle-out compensation resulting in improved print quality for high-speed, single-pass systems and increased efficiency for scanning systems.

**Functionality**
- unparalleled nozzle-out compensation using NozzleFix™
- automation of PrintFlat™ to mitigate print artefacts caused by variation within a printhead or between printheads
- image screening powered by ScreenPro™
- seamless integration with Meteor’s PrintEngine, MetPrint and MetScan2
- NozzleMask™ for scanning printer efficiency

**Benefits**
- easy-to-implement printer calibration to dramatically impact image quality
- elimination of single pixel streaks from clogged or failed nozzels
- no more banding from stitching problems, ink supply vagaries or printhead crosstalk
- less streaking and mottling through advanced image screening techniques
- reduction in system down-time due to print quality issues
- efficiency boost for scanning systems
ScreenPro is a multi-level screening engine that corrects inkjet print imperfections such as streaking or mottling at ultra-high speed. Used with Advanced Inkjet Screens™ (‘Mirror’ for non-absorbent media such as plastics or metal and ‘Pearl’ for absorbent substrates such as paper and board), common inkjet print quality challenges are significantly improved in most cases. The Integrated version of ScreenPro is an extension to Meteor PrintEngine and can be configured by MetPrint.

PrintFlat is a tool that creates a unique calibration screen for each individual printer and works with ScreenPro to remove repeatable artefacts due to variations in performance within a printhead, in the stitch area between printheads, or from wear on the printheads.

NozzleFix nozzle-out compensation for single-pass or scanning systems eliminates single pixel streaks from clogged or failed nozzles by using good nozzles to counteract poorly performing adjacent nozzles. Deviated or missing nozzles are identified to the Meteor datapath and switched off while nearby nozzles apply compensating fluid in the same or different colour planes resulting in seamless correction.

NozzleMask significantly improves scanning system efficiency by concealing undesirable effects of missing nozzles thus requiring fewer passes to achieve high print quality.

MetCal enables unparalleled image quality, calibration functionality and printer efficiency

MetCal is a tidy package of wizard-driven software that runs Meteor’s exclusive nozzle-out compensation technologies, NozzleFix and NozzleMask; offers an integrated version of ScreenPro; and automates PrintFlat.

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- **PrintFlat** is a tool that creates a unique calibration screen for each individual printer and works with ScreenPro to remove repeatable artefacts due to variations in performance within a printhead, in the stitch area between printheads, or from wear on the printheads.

- **NozzleFix** nozzle-out compensation for single-pass or scanning systems eliminates single pixel streaks from clogged or failed nozzles by using good nozzles to counteract poorly performing adjacent nozzles. Deviated or missing nozzles are identified to the Meteor datapath and switched off while nearby nozzles apply compensating fluid in the same or different colour planes resulting in seamless correction.

- **NozzleMask** significantly improves scanning system efficiency by concealing undesirable effects of missing nozzles thus requiring fewer passes to achieve high print quality.

NozzleFix and NozzleMask are trademarks of Meteor Inkjet Ltd.
PrintFlat, ScreenPro and Advanced Inkjet Screens are trademarks of Global Graphics Software Ltd and may be registered in certain jurisdictions.