MetCal Software for Print Calibration & Nozzle-Out Compensation

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

Significantly improving print quality for high-speed, single pass printers, Meteor's MetCal software simplifies and automates the process of cross-web calibration and nozzle-out compensation.
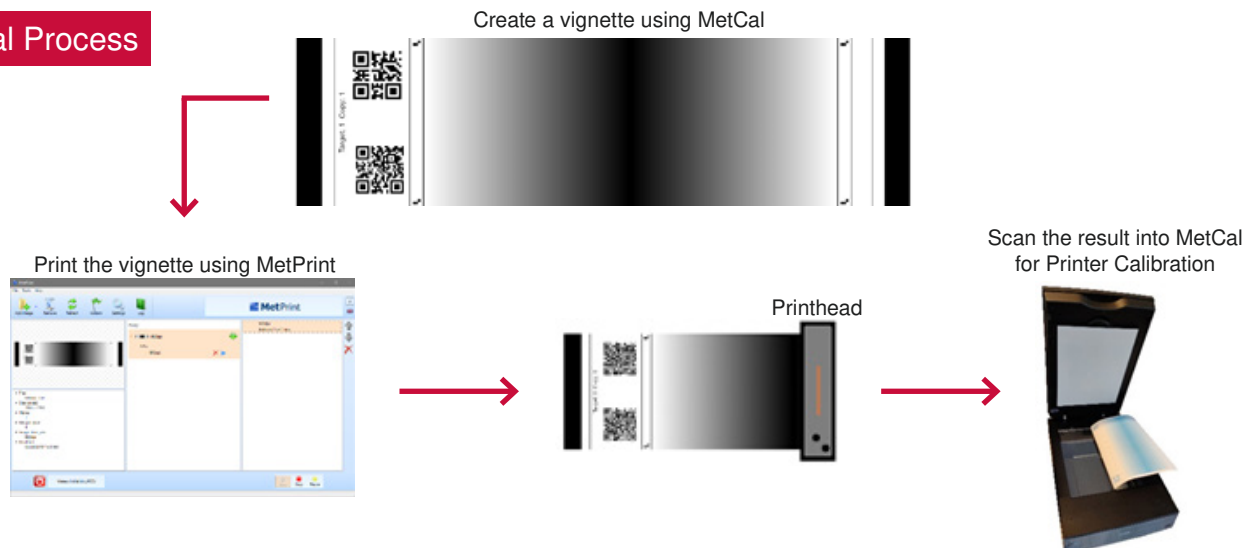
Functionality

- nozzle-out compensation to eliminate single pixel streaks from clogged or failed nozzles
- reduction of banding resulting from stitching problems, ink supply vagaries and printhead crosstalk
- automation of PrintFlat™, a ground-breaking technology that mitigates print artefacts caused by variation within a printhead or between printheads
- embedded image screening powered by ScreenPro™
- seamless integration with Meteor's PrintEngine and MetPrint software

Benefits

- solutions for all major industrial inkjet printheads
- easy-to-implement print calibration to improve cross-web print quality
- best-in-clasee nozzle-out compensation
- reduction in streaking and mottling through advanced image screening techniques
- world-wide sales and technical support from concept to production
- reduction in system down-time due to print quality issues

MetCal Process

Create a vignette using MetCal

Print the vignette using MetPrint

Printhead

Scan the result into MetCal for Printer Calibration

without MetCal   with MetCal

Metcal automates world-leading inkjet print quality and calibration functionality

MetCal is wizard-driven software that runs Meteor's nozzle-out compensation technology and automates the usage of PrintFlat and an embedded version of ScreenPro resulting in exceptional single-pass print quality at ultra-high speeds.

- **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 embedded 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.

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

ALSO FROM METEOR

printhead drive electronics & software • drop optimisation systems • services

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

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