meteor
READY

Buying SmartDFE™ means you're instantly 'Meteor Ready' and can choose to use Meteor printhead drive electronics without changing your software.

Meteor Inkjet supports all major industrial inkjet printheads and offers rapid support for new printheads, so you have ultimate flexibility in your printhead choice: for example, you can begin your press development having chosen one printhead model and then switch to another with minimal impact to your development schedule. Or you can mix printheads from multiple vendors and models in a single press. With this flexibility comes a comprehensive set of tools and services to deliver an exceptional product to market.

Meteor NozzleFix

NozzleFix™, Meteor's exclusive nozzle-out compensation technology 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 color planes resulting in seamless correction.

Meteor Mixed Mode technology

SmartDFE typically operates in FIFO mode with Meteor electronics, allowing printers to handle fully personalized content at high speeds with appropriate PC hardware. However, for printers that only print partially variable data in one channel, SmartDFE can switch to Mixed Mode™. In this mode, static data is preloaded into buffers for each static print bar (like Cyan, Yellow, and Magenta) at the start of a run. Then, only the variable data is sent to the channel controlling the variable data print bar (like Black). This approach often lowers the PC hardware requirements for the printer while maintaining full printing speed.

Waveform Development Service

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 characterization, print reliability analysis and waveform evaluation/optimization. Available for all major industrial inkjet printheads.

Meteor DropWatching Systems

Meteor DropWatchers evaluate and optimize printhead and ink combinations using production-ready electronics that can be transferred straight to manufacturing, allowing visualization and characterization of drops in flight while adjusting waveform parameters using live feedback.

Meteor DropWatching Systems are essential tools for waveform characterization and development, and available for all major industrial inkjet printheads.

GLOBAL GRAPHICS®
software

Features and benefits

- Mix print heads from different manufacturers and models
- Add Meteor electronics without changing your software
- Change printhead type late in your press development
- Includes NozzleFix™ technology
- Includes Mixed Mode™ technology
- Support for printhead drive electronics for systems of any size or complexity

- Support for single-pass and scanning heads
- Solutions for all major industrial inkjet printheads
- Drive multiple printheads and print bars, break the raster into swaths and provide printhead stitching with the powerful data path
- Handle encoder and product detect signals

- Simulate printhead output during developing and debugging with the SimPrint Tool
- Configure text files for system configuration including printhead layout
- Edit printhead waveforms using the MetWave™ Tool
- Meteor Inkjet DropWatching system

Meteor Inkjet supports the following printhead manufacturers:

Dimatix		EPSON	KONICA MINOLTA	KYOCERA	
GMA	Polaris	S3200	KM1024i	KJ4A-0300	KJ4B-0300
Samba	Q-Class	S1600	KM1280i	KJ4A-AA	KJ4B-1200
StarFire	S-Class	S800	KM1800i	KJ4A-RH	KJ4B-QA
SG1024	SG600		KM1024	KJ4A-TA	KJ4C-0360
Galaxy			KM1024a	KJ4B-0150	KJ4B-YH
Nova				KJ4B-1200-016SR	

RICOH		SII	TOSHIBA	XAAR
GH2220	MH2620	RC1536	CF1	2001GS12C
MH5220	MH2820	1024GS	CF1L	2001+
MH5420	MH2420	508GS	CF1XL	2001+U
MH5440	MH2610F		CF3	1003U
MH522IF	MH2810F		CK3	1003C
MH5421	MH2910			1003AMp
MH5421F	MH5441			1003AMx
MH5421MF	MH5320			2002
MH5340				

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