

## Options



**PrintFlat™ Technology from Global Graphics Software** – Achieve higher quality in faster print speeds. PrintFlat™ provides smoother, more uniform tints and accurate tonal reproduction through a simple fingerprint calibration.



**Variable Data Option** – Add Variator variable data layout and creation software to turn your printer into an on-demand personalized marketing tool.



**API Option** – Combine your software tools and user experience with Navigator DuraLink DFE. Navigator handles the image processing, screening, data splitting, color management and data delivery to press. Customize the interface and use your branding.



# Navigator DuraLink *DFE*

## Benefits

**Integration** - Navigator DFE is integrated with Memjet's software and hardware, providing bi-directional communication and guaranteed full-speed data delivery. With full support of Memjet's Optical Density Compensation (ODC), image quality is assured.

Xitron's engineering and product management teams are integrated with their counterparts at Memjet. We engage OEM customers as a team on all continents, and are ready to meet new requirements and challenges.

**Customization** - Each new customer is an opportunity to add to or improve our software. Our history shows that when a new customer wants a feature we don't have, we get to work.

We have an API for our system as well. This means that an OEM who has their own look and feel they wish to maintain, or some of their own tools or user interface they wish to deploy, they can do so and still take advantage of the years of integration work that we've done. An OEM customer can use our API to drive our system either partly or entirely from software of their own.

**Scalability** - Performance is critical in high-speed environments. Navigator DFE can distribute processes across multiple threads, multiple cores, and multiple computers.

Navigator is built on scalable Harlequin RIPs. We can meet any data rate requirement simply by adding more RIPs to the processing farm. Whether a system requires one RIP or twenty, the interface looks and works the same for the user.

Integrated libraries from Adobe and Global Graphics (Mako PDF Library) allow us to quickly create new functionality that operates at the highest level of quality and performance.



## The Digital Front End for Memjet Duralink Systems

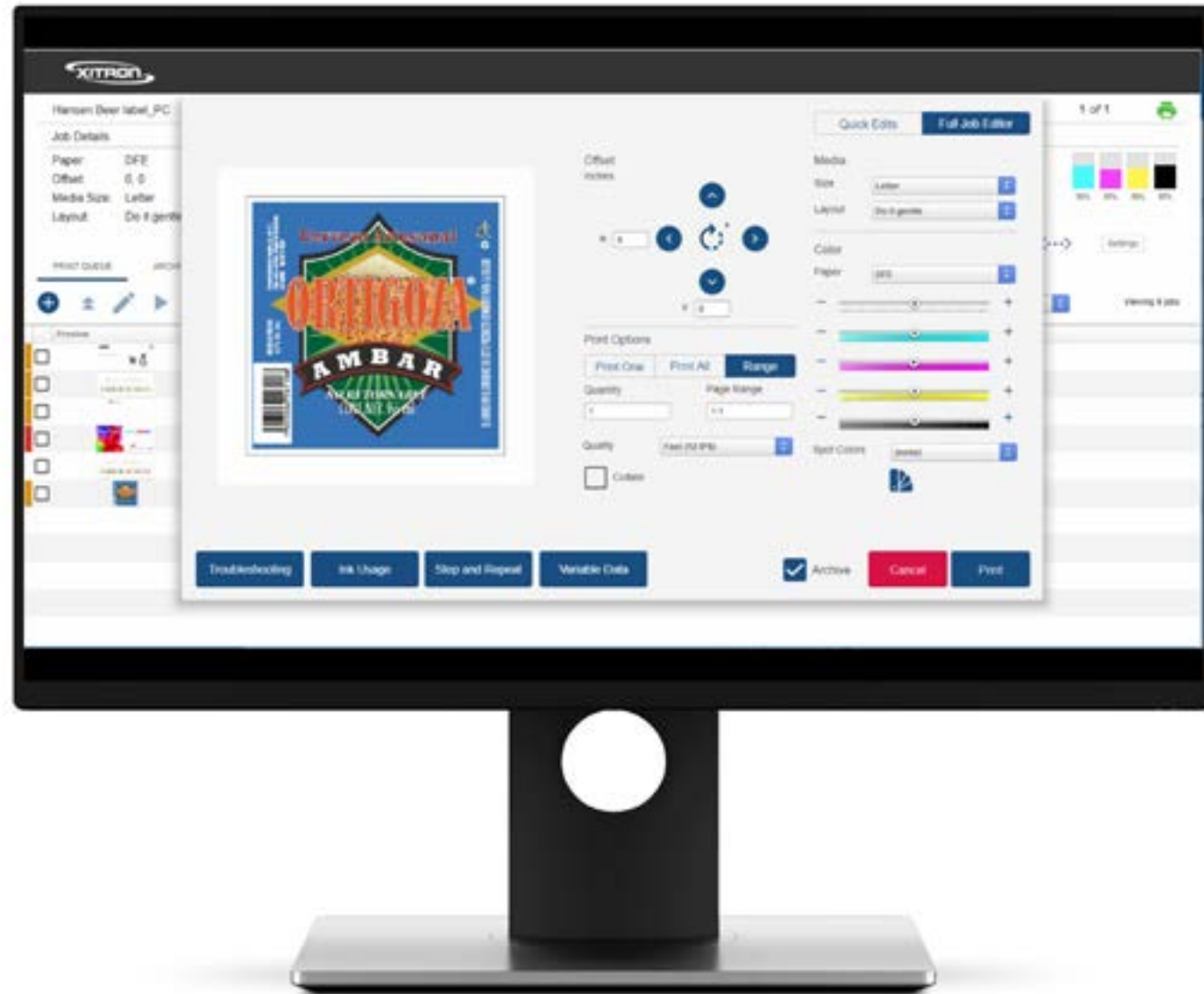


10/05/2020



# NAVIGATOR DURALINK DFE

## GET TO MARKET FASTER



**The Navigator Digital Front End for Duralink** is a print management system for digital printers based on Memjet printheads. One of the most important features is scalability. Whatever size printer you are building; whatever color; we supply the data at the full rated speed of the press, in real time. Based on the fast and accurate Harlequin Host Renderer, the Navigator DFE prepares your jobs, keeps track of them, positions them on paper, controls the color, and reliably prints them at top speed.

### Features include:



**Fastest RIP on Earth** – With a RIP farm based on the scalable Harlequin RIP, Navigator DuraLink DFE is recognized as the fastest of its kind. No matter your printer's speed, you can start printing right away with Navigator's in-line RAM pipe to Duralink.



**Intuitive GUI** – An uncomplicated interface means faster time to market, less time training, and more time producing. Navigator DuraLink DFE's GUI was founded on the remarkably successful Navigator Workflow found in thousands of printing companies worldwide. Instantly recognizable and intuitive, operators adapt quickly to its functionality. Branding and customization are available.



**Multi-platform (Mac or PC) Compatible** – The UI is browser-based and designed for touch-screens. Jobs can be managed from Macs, PCs, and browser-capable devices anywhere on the network.



**Variable Data Handling** – Navigator recognizes and caches repeated images (from standard PDF's as well as from PDF/VT). This is another piece in the overall approach to processing speed.



**High Image Quality** – Navigator handles rasterization and screening with several available screens designed for inkjet (including Global Graphics Advanced Inkjet Screens). Feathering for the stitch zones is also handled by Navigator. Direct support for Memjet's ODC (Optical Density Compensation) process allows you to achieve the highest possible quality.



**Data Splitting** – By dividing image data into different strips per print head column, Navigator delivers data to each printhead subsystem in real time.



**Communication with PESM** – Navigator DuraLink DFE has bi-directional communication with the print engine. Job data for each page printed (ID, print size, resolution, etc.) along with engine status such as ready, error, offline, and overlap is displayed to the operator.



**Color Management** – Getting the right color on paper is quick and painless. The color management engine uses industry standard ICC profiles to convert color from the input color space to the ink color space. Calibration tools are built in. Simple slider controls for each ink are included as well.



**Spot Color Matching** – Navigator helps you match a job's spot colors through an interactive display. Print a swatch sheet of the Pantone colors; choose the result that matches the intended output and release the job for printing. It's that simple. Curated spot color libraries and archive job settings further streamline the process for repeat jobs.