

Directory
of
Must See 'ems
and
Worth-a-Look
Products

The Must See 'ems technology and product recognition program is a highlight feature of the Executive Outlook Conference. The Conference and Must See 'ems recognition program are conducted under the auspices of the Graphic Arts Show Company. The Must See 'ems program is conducted independently by the PrintComsm Consulting Group of Charlotte, North Carolina. The Executive Outlook Conference is sponsored by Xerox and Presstek. A post-Conference networking reception is sponsored by EFI.

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Advanced Technology Products Featured at Graph Expo 2010

Presentation of the Must See 'ems technology and product recognition awards is a highlight feature of the Executive Outlook Conference, held the day before the major print industry trade shows, GRAPH EXPO® and PRINT®. The program is sponsored by the Graphic Arts Show Company (GASC) and conducted independently by the PrintComsm Consulting Group.

What is a Must See 'em?

Graph Expo 2010's most compelling products and services, as selected by an international panel of 19 leading industry consultants, analysts, educators and trade magazine editors are the Must See 'ems for almost all exhibition attendees. Must See 'ems products and services represent the technology that will impact virtually all types of printers. They represent the most compelling technology. These products and services are Must See 'ems recognition recipients.

Worth-a-Look for Niche Markets

Some products and services being exhibited at Graph Expo 2010 do not have as wide an application or broad impact on the industry as the Must See 'ems, but are nevertheless especially important for niche markets or selected groups of printers or converters. .



Selected from More Than 2,000 products

Must See ‘ems and their companion Worth-a-Look products were selected from the more than 2,000 individual products being shown at Graph Expo 2010 by just over 500 exhibitors. Products were nominated in a reiterative process from supplier information including pre-show briefings and input from an independent Selection Committee. Nominees were reviewed and voted on by a 19 person committee in a secret ballot that required more than majority agreement that a product was compelling for a large number of exhibition attendees to achieve Must See ‘ems recognition. Products identified as compelling but of importance to a more limited audience have been identified as Worth-a-Looks.

Selected hardware and software are categorized as follows:

Encore products –

2009 Must See ‘ems selections that are still compelling

Production Technologies -

Products listed by key technology groups

Individual products and services –

Compelling products that do not fall under a technology group

The Technology Dozen *and Critical Survival Implications*

In the new era of print, the best application of yesterday's technologies is not enough to insure profitable survival for the next few years. Profitable survival depends upon a complex mix of the state of a still-recovering economy, changing customer requirements, the extent that electronic alternatives impinge on print, and the printer's ability to co-mingle print with e-alternatives in a multi-media environment. In a shrinking market for overall print volume, there will be print provider winners and losers. To be a winner, printers must be willing to invest and use new era technology. Printers who ignore the ramifications of these conditions are likely to fail unless they can compete in the limited low cost price competitive commodity print market by using up-to-date offset and/or digital technology to achieve a competitive edge.

A dozen technologies that have survival implications for most commercial printers were identified by the Must See 'ems Selection Committee. Their implementation can be seen in Must See 'ems products on the exhibition floor. The survival technologies are:

1. Computer – IT

Effective use of the computer with application of information technology (IT) in both the running of the business and production aspects of a printing company were voted as the most critical survival applications of technology.

2. Multiple Products

Acquiring and implementing the knowledge, skills and technologies necessary to leverage print content and formats into a variety of multiple products/multiple media (including e) as the most important going-forward capability ranked second in the overall list.

3. Automation

The incorporation of automation into print production, starting with the use of stand-alone automated systems or equipment and evolving into integrated automation moving toward 'lights-out or hands-off manufacturing.' The approach includes but is not limited to incorporating JDF/JMF dialog between and among production and management systems.

4. Unique Materials

To differentiate printers in the marketplace, creative use of unique materials and equipment and associated technologies to enhance the value and application of print. Included are technologies such as coating including digital dimensional coating, QR and similar systems, augmented reality, invisible printing, and security printing. Creative use of materials can differentiate printers in the marketplace. Included in this category are unusual die-cutting and folding to create a unique product.

5. Web-to-Print

Complete web-to-print capability slowly but surely reducing the amount of human intervention required to produce a printing job. It is more than just an up-to-date communication tool --- it is the automation of print from customer inquiry to the pressroom and into distribution. The completeness and way in which web-to-print is implemented is becoming a competitive tool in many print markets.

6. Planning

Business planning and production planning with strategic and tactical direction including technology components ranked sixth in the overall list but several analyst members of the Selection Committee opined that comprehensive planning is fundamental to printers' survival and should head up the list. It comes before and is also a part of technology selection, they noted.

7. & 8. Digital Printing

Production digital color printing (toner or ink jet), the primary printing industry growth process. Although a variety of products are printed digitally, short (but getting longer) run work and direct mail containing at least a minimum of variable data are the leading applications. An understanding of direct marketing requirements and mailing capability is important ingredients for production digital printing success and are ranked in seventh place almost in parallel with production digital color printing.

9. Specialization

Market and Product Specialization – Customer market segment specialization with in-depth knowledge of the segment in conjunction with specialized technologies and equipment to produce special/unique print products for that segment.

10. Marketing Service Provider

Adopting the technology, skills and business approach to convert from being a conventional printer to a marketing service provider.

11. & 12. Up-to-Date Equipment

Up-to-date equipment for the pressroom closely followed by binding and finishing ranked eleventh and twelfth respectively, including the integration of binding and finishing into press production lines. Software upgrades and replacements for both the pressroom and postpress operations need to be monitored continuously and implemented for improvements and advantages, the Committee noted.

Encore



Encore Selections

Encore 2010 selections were made from products and technologies that received Must See 'ems recognition in 2009. Four of last year's Must See 'ems selections were voted by the Selection Committee as continuing Must See 'ems in 2010. Four products not quite as compelling were categorized as still Worth-a-Look.

Encore



MGI Digital Graphic Technology

Booth 3217

JETvarnish

(Ink Jet Spot UV Coater)

MGI's JETvarnish offline digital inkjet spot UV coater accommodates sheets up to 20 x 40" (52 x 105 cm) and utilizes MGI's patented inkjet technology. The 100% digital JETvarnish can handle runs from one to thousands with ease. Computer controlled drop-on-demand print heads enables precise registration. An integrated UV lamp dries prints "on the fly", which allows for immediate handling.

The JETvarnish is designed for spot UV coating on a wide range of applications, including book covers, posters, brochures, personalized direct mail, premium packaging, corporate materials and many others.

Key advantages:

- Speeds of up to 0.8 meters/second
- Drastically lower production cost compared to offset/screen spot varnish methods
- No plates, screens or cleanup required and virtually no make-ready
- Accommodates a wide range of coated paper and plastic substrates, up to 220 lb cover / 600 gsm – digital or offset prints
- Environmentally friendly = solvent-free, less raw materials and recyclable packaging
- 100% variable data capable (via optional RIP), enabling custom spot UV coated prints with unique graphics, text, barcodes and others applications.
- Push-button integration with most DTP software

www.mgiusa.com

Encore Must See 'ems

Encore



Océ North America
JetStream 1000 Digital Press
(Color Ink Jet Perfecting Press)

Booth 1217

The full color duplex Océ JetStream® 1000 printing system is an inkjet web press for transaction, direct mail and transpromo applications. It brings award-winning technology and productivity to users requiring monthly print volumes of up to 33 million impressions. The Océ JetStream 1000 produces up to 1,074 letter-size images per minute at 600x600 dpi, and it features 20.4" print and 20.5" paper widths.

The system is based on core technologies associated with the proven Océ JetStream platform, including Océ DigiDot® inkjet technology and inks, and the Océ SRA® MP controller architecture. Océ DigiDot piezoelectric drop-on-demand inkjet uses the industry's fastest inkjet print heads to produce stunning color at top speeds. The Océ SRA MP controller enables high-speed, uninterrupted workflow for AFP/IPDS data streams. The powerful Océ SRA MP controller is designed for rigorous high-speed, full-color digital printing. Industry standard connectivity allows direct integration with third-party finishing systems, further expanding opportunities to take on profitable printing jobs.

www.oceusa.com

Encore Must See 'ems

Encore



Pitney Bowes
Print Messenger + Color Ink Jet Systems
(Digital Color Envelope Printer)

Booth 3601

The Pitney Bowes® Print+ Messenger™ Color Inkjet System provides full color variable envelope printing capability on high-speed inserting systems. With the innovative Print+ Messenger System, you can add colorful data-driven messages, postal barcodes, addresses and targeted marketing offers to the outside of an envelope to make the mailpiece more relevant.

By moving to a “white envelope environment,” print and mail operations can eliminate pre-printed envelope production and storage costs, minimize envelope types and inventory, and reduce material handling and logistics. Printing envelopes in-line also streamlines production by allowing mailers to merge jobs, resulting in greater productivity and eliminating the need for application changeover. This can also increase postal density for greater postal discounts--even on mailpieces with variable thicknesses.

This innovative inkjet technology can help businesses to produce a more compelling mailpiece with full-color messaging that increases the “open me” factor and drives greater response rates. Marketing can engage customers the moment they pick up the mailpiece.

www.pb.com

Encore Must See 'ems

Encore



Xerox Corporation
Nuvera 288 EA Perfecting Production System
(Mono-color Digital Press w/inline finishing)

Booth 600

Xerox serves the digital publishing market with a highly automated short-run book production system comprised of the Nuvera 288 EA Perfecting Production System with Lasermax Roll Systems DocuSheeter NV-R with Grain Rotator, the CEM DocuCutt and C.P. Bourg Book Factory – powered by Xerox’s FreeFlow Print Server. This in-line, end-to-end solution efficiently produces perfect-bound books, on demand, down to a quantity of one.

The system’s in-line CEM DocuCutt receives oversized 4-up imposed sheets of paper, trims them to specified sheet sizes and feeds them sequentially in-line to the Bourg Book Factory, optimizing cost and paper use.

New productivity and finishing enhancements announced since the Nuvera 288 was last demonstrated at Print 09 streamline production and make it easier to print booklets or manuals. These enhancements include;

Plockmatic Pro 30 Booklet Maker provides an affordable 30-sheet booklet maker configured to produce professional-quality booklets at rated speed with the option to add color covers and inserts.

Dual Xerox Tape Binder allows the print engine to utilize both finishers within the same job, alternate the delivery of print sets and unload while the job runs.

C.P. Bourg High Capacity Elevator assists users to easily offload finished material by raising the stack of paper to a constant level, enhancing productivity through ergonomics.

www.xerox.com

Encore Must See 'ems

Encore Still



Océ North America

Booth 1217

VarioPrint 6320 Ultra Digital Printer

(Monocolor Toner Digital Perfecting Press)

Océ claims that its VarioPrint® 6000 Ultra Line press is a fast, productive family of high-speed, high-volume toner digital perfecting systems. This platform is becoming widely used in the US digital book production and according to Océ, supports 50% of the top 20 such operations. The system is designed for high-end digital printshops and commercial printers, corporate and commercial transaction environments.

The Océ VarioPrint 6320 Ultra clocks at 314 letter and 155 12"x18" ipm.

Océ describes the press as:

- Up to 70% faster than nearest competitors
- 18,840 letter and 9,300 12"x18" impressions per hour
- Up to 3,000 6"x9" 240-page book blocks during three 8-hour shifts

Next-generation Océ Gemini Instant Duplex technology delivers media-independent production-speed perfecting. Duplex jobs print faster and more reliably. Each sheet passes through the engine only once. The system handles lightweight stock, mixed media, tabs and inserts. The quiet Ultra consumes 40% less energy than less productive devices and emits virtually no ozone.

Océ KDK link connects VarioPrint workflow to Kodak Smart Board streams, along with integration of Screenpoint technology into Océ PRISMAprepare software. Screenpoint optimizes color-to-B&W conversion and tonal fidelity. With Tunable Print Quality, operators can adjust for crisp contrast, dense blacks and true offset quality.

www.oceusa.com

Encore Worth-A-Look

Encore Still



JUST Normlicht Inc.
JUST LED Color Viewing Light
(LED Viewing Booth)

Booth 661

The JUST LED Color Viewing Light provides ISO 3664:2000 and ISO 3664:2009 standardized lighting for viewing of 3 dimensional products under standardized lighting. The viewing booth uses new LED technology to replicate almost any standardized light source including D50, D55, D65, D75, TL-84, CWF, and A. The new LED technology also offers the ability to simulate any of these light sources with or without the UV spectrum allowing for easy viewing of the effects of optical brightening agents in today's commercially available substrates. Further product functionality allows for the luminance level to be controlled precisely by a measuring instrument with the JUST USB Interface technology that is incorporated into the JUST LED Color Viewing Light. This provides the ability to compare images on a screen to 3D product samples for color accuracy. Other product features include the ability to measure viewing conditions in multiple locations and duplicate them spectrally in the JUST LED Color Viewing Light allowing for accurate color comparison between multiple locations and multiple companies. The JUST LED Color Viewing Light also is environmentally friendly by eliminating the need for fluorescent tubes that contain mercury and with the extended life cycle of the JUST LED technology consistent color is maintained in the viewing booth for 25,000 hours removing 10 life cycles of fluorescent tubes from the environment.

www.justnormlicht.com

Encore Worth-a-Look

Encore Still



Riso, Inc.

Booth 3111

ComColor 9050

(Color Ink Jet Press)

RISO's ComColor® 9050 is a high-speed full-color cut-sheet inkjet printer that prints 150 letter-sized pages per minute for monochrome or color in either simplex or duplex modes. There is no speed reduction when printing duplex. Operating costs for monochrome average less than a half-cent per letter-sized page (5% coverage) and color averages about two to three cents per page (20% coverage). The ComColor 9050 uses Piezo drop-on-demand technology and offers an image area up to 12 ³/₈" x 21 ⁹/₁₆", printing up to 1,000 letter-sized color pages in just 6 minutes. This model also prints on envelopes (4"x6" to 10"x13") at average speeds of 85 ipm for #10 envelopes.

The ComColor 9050 features multiple paper drawers, totaling 2,500 sheets of input capacity and 1,500 sheets of output capacity. With the optional in-line multi-function finisher, the output capacity is 3,000 sheets. Media weights range from 13 lb. bond to 210 lb. index. The ComColor 9050 has a 500,000-page monthly duty cycle.

Other standard features of the ComColor 9050 include mixed-sized page printing, secure printing, archiving, scan to email/folder/USB flash drive, auto recognition of black and white and color pages, multi-up, pagination, booklet printing, and scanning capabilities.

<http://us.riso.com>

Encore Worth-a-Look

Encore Still



Xerox Corporation
1300 Continuous Feed Printing System
(Monocolor Toner Digital Press)

Booth 600

The Xerox 1300 Continuous Feed Printing System is the company's fastest monochrome continuous feed printing system, printing up to 1,308 ipm 2-up duplex U.S. letter and 2,400 ipm 3-up duplex 6 x 9" book pages with a maximum resolution of 1,200 x 600 dpi. The device combines high speeds, outstanding image quality and workflow productivity into a powerful device for producing books and manuals, transactional, direct mail, and transpromotional applications.

New to the device, FreeFlow Print Server 7 and ImageSmooth Technology delivers a quality image without slowing down the printer. The ImageSmooth Technology allows for 256 levels of gray printed at the Xerox 1300's highest speeds.

The device offers new integration with GMC Technology's PrintNet software. The software reduces programming time up to 60 percent and improves job turnaround time by up to 400 percent for applications such as bills, policies and invoices.

Xerox's Continuous Feed Essentials Kit provides business development support and information to plan, build and implement a profitable continuous feed business. The kit helps users build a marketing plan, host an open house and identify revenue-generating applications. It also provides a prospecting guide and high-quality media samples that can be used to showcase profitable continuous feed applications.

www.xerox.com

Encore Worth-a-Look



Production Technologies

Functionally alike Must See 'ems and Worth-a-Look products are arranged in groups by key technology and production categories. Some categories do not have a Must See 'em selection. However, the categories which have only Worth-a-Look recognition products were nevertheless selected by the Committee as niche products or important for many showgoers. Products not classified in a technology category are listed under the Individual Products heading.

Software

As print production has become computer-centric, software and its proper implementation takes on increasing importance as a factor in a printer's ability to succeed. Software is embedded in many if not most production products --- sometimes visible and sometimes invisible to production operators. As print software has proliferated and broadened its multi-functional capabilities, it has become difficult to place products into specific niche categories. It is the most difficult technology for a printer to evaluate prior to a purchase.

To assist printers in evaluating the myriad of software products on the show floor, the Must See 'ems Selection Committee has identified the software products that follow as Graph Expo's Must See 'ems and Worth-a-Looks. But no matter what product is under purchase consideration, buyers should probe and understand the breadth, capabilities, and idiosyncrasies of any underlying software.



Agfa Graphics
Apogee Impose
(Imposition for Apogee 7)

Booth 844

Agfa's Apogee Impose is the new imposition module that is part of the Apogee 7 workflow management software suite.

Apogee Impose is rules-based imposition software. Instead of using pre-defined templates that must be manually edited for each job, Apogee Impose uses all job information from Apogee 7: number of colors, page size, product part information such as cover, body and insert; and available equipment (prepress, press and bindery) to calculate and propose the imposition scheme.

Apogee Impose was developed by Agfa in response to customer input about the difficulty and limitations of having to use thousands of different templates for imposition. Apogee Impose bases its calculation on actual job composition. A set of production rules results in the same imposition scheme each time they are applied. Any number of rules can be defined, altered and applied for custom jobs.

www.Agfa.com

2010 Product Introduction

Software



Color-Logic
Process Metallic Color System
(Color Production)

Booth 155

The Color-Logic Process Metallic Color System is a revolutionary new method of communicating color, printing metallics, and creating special effects using inkjet, flexographic, digital (HP, Xeikon), or offset presses. The system uses metallic ink or substrates, with traditional CYMK inks, to create 250 unique metallic colors and a variety of special effects for printed signage, literature, point-of-purchase, car wraps, packaging, labels, etc.

Color-Logic provides printers with forms for printing their own color guides (swatchbooks). Graphic designers, brand managers, and advertising agencies use these color guides and the Color-Logic software to create files for printing. Other systems rely on swatchbooks printed on a stock and by a press that may not represent the production process available to the designer. As new substrates, coatings or other technologies become available, printers can quickly print new swatchbooks. Color-Logic standardizes the process to the benefit of both the printer and customers, ensuring that designs are printed without the trial and error plaguing traditional metallic printing. Printers are licensed by Color-Logic and authorized to print metallics only after demonstrating their capability with the process.

Color-Logic for offset is available today. Color-Logic samples from inkjet, flexographic, offset, and digital presses will be shown at Graph Expo.

www.color-logic.com

2010 Product Introduction

Software



EskoArtwork

Booth 217

i-cut Suite

(Pre-Production – Digital)

i-cut Suite is an expanded collection of pre-production software targeted specifically for users of large format digital printers and/or digital finishing systems. The different modules of *i-cut Suite* provide companies with all essential tools to deliver sign & display products with optimal efficiency and productivity, regardless of the type, source and variety of the incoming job information.

It includes:

- *i-cut Preflight*: handles efficient preflighting of incoming PDF data, ensuring that jobs will RIP and print correctly. *i-cut Preflight* is based on Enfocus technology.
- *i-cut Layout*: is the fundamental module for interactively building (nesting) and editing sheet layouts, saving printing time and increasing substrate utilization. Nesting of individual pieces can follow multiple strategies.
- Full integration with the *i-cut Vision Pro* control system: for accurate die-less cutting.

Users with more specific requirements can easily upgrade to advanced modules:

- Structural Design offers direct integration with standard structural design programs.
- When the graphic design comes in without a cutting path defined, the module for Graphics Preparation will create such a cutting contour for both vector and image files.
- True Shape Nesting gives access to an additional level of material optimization when dealing with irregular shapes.

www.esko.com

2010 Product Introduction

Software



interlinkOne
QReate And Track
(QR Code Generation)

Booth 969

To help printers produce print materials that are interactive, interlinkONE released the product QReate & Track (<http://QReateAndTrack.com>). QReate & Track allows companies to easily generate QR Codes and measure their success. QR Codes are 2-dimensional barcodes that can direct people to websites, videos, landing pages, text messages, and more. People can simply scan the QR Code with their mobile phone, and they are instantly redirected to additional information.

The QReate & Track application allows printer to generate the QR Codes. The code produced is a 300 DPI, hi-res file. Thus, printers can place the code on posters, mailers, signs, billboards, brochures, and other printed collateral.

They can also provide real-time reporting to their clients that enables them to see how often certain codes are being scanned, from where in the world the scans are coming from, and which devices are being used to scan the codes.

The application also allows companies to upload mailing lists of Personalized URLs or data lists of coupons/promo #'s and generate of QR Codes in bulk.

www.qreateandtrack.com

Software



Pitney Bowes
TransPromo Portal
(Transpromo Portal)

Booth 3601

Pitney Bowes TransPromo Portal provides a simple and effective way to turn transactional statements into powerful marketing tools. This innovative approach combines a web-based portal with proven printstream manipulation and psychographic information technology to take the work out of adding intelligent marketing messages, advertisements or offers to available white space on existing transactional statements. This solution provides an intelligent approach to the management of ad content, analytics and business rules to seamlessly integrate relevant, targeted messaging as an integral part of the statement production process.

Leveraging proven Production Intelligence® software, the TransPromo Portal provides access to available statements and enables marketers, advertisers, and brokers to select whitespace on the desired statement, upload content, and define specific business rules to control placement of that messaging content. These rules can be fed by data within the documents, data in external files and by Pitney Bowes PSYTE Cluster location intelligence information for a true end-to-end solution.

With the new Pitney Bowes TransPromo Portal, print and mail operations have an effective way to overcome barriers of implementing transpromo campaigns to drive significant revenue opportunities for their business.

www.pb.com

2010 Product Introduction

Software



Agfa Graphics
Apogee Portal
(Workflow)

Booth 844

Apogee Portal is the web-based portal for file upload, preflight and soft proofing that is part of the Apogee 7 workflow management software suite.

The new version of Apogee Portal provides a single-dashboard interface for file upload, preflight and soft proofing.

It uses Agfa's StreamProof technology to provide fast access to color-accurate proofs that are color managed and rendered by Apogee Prepress. It includes dedicated software tools for calibrating and color managing displays.

It integrates Apogee's preflight technology within the SteamProof viewer and directs print buyers to potential production problems.

Apogee Portal adds self-service functionality. The new self-service features allow print buyers to define and create new jobs without assistance or intervention from the printer.

Users can provide Apogee Portal 7 to their customers without having to purchase extra client software or licenses.

Apogee Portal's single-dashboard concept, self-service features with interactive soft proofing was the result of Apogee user feedback.

www.agfa.com

2010 Product Introduction

Software



Aleyant Systems
Pressero v4.0
(Web-to-Print)

Booth 341

Pressero is an affordable, hosted web-to-print solution.

Commercial print shops, brokers, copy shops, in-plants, and others use Pressero to generate and manage shopping cart-based, private-branded business-to-business and business-to-consumer storefronts. Catalog- or item-based, the storefronts include ordering custom or stock items, interactive pricing and estimating, built-in file transfer, proofing, inventory tracking, shipping, payment, order approval, and automated order transfers to trade printers when needed. JDF and bi-directional MIS integration are built into its workflow capabilities. Local languages, local, state, national and international taxes, and currency are also supported.

Personalization and variable data publishing (VDP) tools are also built into Pressero, which can be used for a variety of printed items including business cards, flyers, postcards, banners, signs, and brochures. The print buyer can personalize print items with text, manually or via a database file upload. Image merge, cropping, and rotating are also supported.

In addition to personalizing preformatted templates, an interactive designer enables print service providers' customers to design and modify their own print products in an online application similar to a simplified page layout/drawing program. All capabilities are integrated with Pressero generated storefronts.

www.pressero.com

Software



Bitstream Inc.
Pageflex Campaign Manager
(Campaign Management)

Booth 451

Pageflex Campaign Manager enables print service providers (PSPs) and Marketing Service Providers (MSPS) to better service the demands of their clients by producing personalized, integrated marketing campaigns.

Pageflex Campaign Manager gives users the tools to:

- Rapidly create and launch response-driven marketing campaigns that include variable print, email and personalized URLs
- Create personalized URLs that use an individual's name or company name as part of the Web URL address
- Dynamically create unique Web sites where you can present a highly targeted and personal message for each campaign recipient
- Gather information from your campaign recipients
- Follow up with personalized Web pages and e-mail messages
- Track and report on the effectiveness of your campaigns in real time with online charts and graphs
- Track undeliverable emails via integration with an SMTP server to better assess campaign response rates and to clean bad addresses from mailing lists
- Use the Campaign Manager API to support email/job scheduling, automated database updating for synchronizing with CRM systems, and custom report generation

www.bitstream.com

Software



CGS Publishing Technologies International
Oris Aproove
(Proofing)

Booth 432

Oris Aproove is a collaboration and color approval system for all parties involved in the design and production of printed materials. Based on a central Web server, the Adobe PDF RIP and Adobe Flex-based client software, Aproove allows any number of users to submit jobs, annotate and approve pages – or manage entire jobs and projects. File formats supported include PDF, DCS, 1-bit TIFF and Kodak’s VPS. Files are viewed at high resolution, in real time, with control and display of separations (CMYK plus unlimited spot colors). There are no click charges or additional user licensing fees; the system supports any number of users and administrators, and it is independent of any prepress workflow system. Oris Aproove does not require installation of applets or executable code on the client side – only a Flash-capable browser. Through a secure login process, individuals and departments at the end client (product planning, marketing, legal, etc.) and at the ad agency (photo, layout, copy, legal, etc.) can input and manage annotations, send private messages and facilitate design and production decisions leading up to final approval and submission to the print service provider. Final output is a contract proof, a prepress-ready file or both.

www.cgs-oris.com

Graph Expo 2010 Product Introduction

Software



Dalim Software GmbH
ES2
(Workflow)

Booth 227

ES 2, a streamlined customer-facing environment, combines tasks such as color accurate softproofing with the business logic of project planning, with milestones and sophisticated approval processes. Sharing joint projects with participants of the production workflow from creative to print production is easy, through any standard web browser. With access rights, all users are involved at the appropriate stages of the production cycle, including review and approval of corrections and revisions. The process is fully automated, yet customizable for specific needs.

ES technology is built on a high performance prepress engine, color-certified remote softproofing for high-resolution document viewing, and job-based project management for step-by-step tracking.

With optional TWIST features, automation reaches nearly unlimited possibilities, by adding prepress tasks as milestones, anywhere between the first artwork draft and final imposed form. Tasks and priorities are assigned to any project aspect, whether a single file or a user group.

Interacting with ES is straightforward. Its own FTP server can upload files, and production parameters can be passed at file delivery through the web interface. For travelers without access to a web browser, DIALOGUE Touch offers all ES softproof, annotation and approval features in an App for Apple's iPhone, iPod Touch and iPad.

www.dalim.com

2010 Product Introduction

Software



Datatech SmartSoft, Inc.

Booth 967

PressWise
(Workflow)

PressWise is an end-to-end workflow solution that provides printers with a single integrated web-based system for managing their print business.

Web2Ship Storefronts automatically generate custom websites for each client, providing access to all their documents, artwork, templates and quotes, for 24/7 order capture. Online estimating tools, with support for custom pricing per client, streamline the entire process. Fully integrated within PressWise, all jobs flow to the shop floor without rekeying.

A proprietary Order Management/MIS lets orders flow from the shopping cart (most third-party storefronts are supported too), through automated flight-checking to production, with little to no human interaction. When needed, the tools workers need are a click away – digital asset management, proofing controls, editing tools and more. Multiple jobs are auto-impositioned for gang printing and jobs are queued to presses.

The PressWise system provides Integrated Shipping services (UPS, FedEx and Endicia) as well as support for third-party billing and blind shipping. Shipping labels are printed and workers barcode-scan each package to be shipped. Tracking links and invoices are automatically sent to clients as each shipment is completed.

The optional Mail Processing module also provides integrated USPS Certified software for incremental revenue possibilities for printers through the provision of mailing services.

www.presswise.com

Software



Eastman Kodak Company
ColorFlow Software
(Color Management)

Booth 1227

Kodak ColorFlow Software improves color performance and stability on press while reducing the time and costs of color management, and adding the economies of ink optimization. With it, printers can more easily align their devices to specifications such as FOGRA, SNAP, GRACoL, and SWOP as well as standards such as ISO 12647-2.

Color Relationship Management: ColorFlow Software rationalizes “tone reproduction curve editing” and “ICC profile editing” in one package, and efficiently manages the color relationships between output devices, color systems and various print specifications and standards. It stores a database of print and plate curves, DeviceLink profiles and ICC profiles, and maintains the relationships between the devices and can automatically adjust them when necessary. For example, should you change your targeted press simulation to the FOGRA color space, ColorFlow Software automatically adjusts your proofer’s color response to maintain color alignment to the press.

Ink Optimization: ColorFlow Software optionally enables Ink Optimization, which employs sophisticated GCR color conversions to minimize ink consumption. This cuts costs and improves press stability without affecting the visual appearance of the printed product.

www.kodak.com

Software



Eastman Kodak Company
Prinergy Packaging Layout Automation Software
(Packaging Layout)

Booth 1227

Kodak Prinergy Packaging Layout Automation Software (PLA) is a high-output, data-driven layout creator for packaging applications. A feature of the Kodak Prinergy Powerpack Workflow version 5.1, PLA Software is especially valuable for creating multiple SKU layouts for the same product family in one action.

PLA can automatically process jobs upon receipt of flexible XML files from MIS/ERP systems and act as a validator for missing or incorrect specifications in the XML data. PLA validation rules prevent incorrect layouts from being created and PLA provides a XML Ticket Editor for quickly correcting wrong or incomplete data.

PLA allows auto assignment of artworks to CF2 files based on die station naming conventions, eliminating the need for operator decision making.

Complicated bleed-path and marks edits made in Kodak Pandora Step and Repeat Software is automatically imported when a target PLA Layout Ticket is opened. The edits are automatically incorporated into future layouts based on the same layout ticket, without any need to relaunch Kodak Pandora software.

PLA saves operator time for every layout job, accelerating throughput, reducing errors and cutting prepress costs, according to Kodak.

www.kodak.com

2010 Product Introduction

Software



EFI
Colorproof XF v4.1
(RIP)

Booth 2000

EFI Colorproof XF is a high-end software RIP solution

- enabling continuous tone and halftone contract proofing and validation printing according to ISO 12647-7 & 8, GRACoL or any house standard;
- providing a hardcopy remote proofing solution in combination with EFI Web Control Center, a web-based solution for job distribution between & control;
- providing a packaging proofing solution including mock-up creation through the integrated cutting solution.

The solution is designed for ad agencies, pre-press companies, publishers, newspapers and printing houses and particularly in conjunction with EFI Web Control Center for brand owners, the packaging industry, big printing and media groups.

With the client/server architecture, user/administrator mode, cross-platform support (including latest Mac OS 10.6 and Windows 7) and modular structure (basic feature set plus a range of product and output options) supporting industry standards, EFI Colorproof XF can be flexibly configured according to the customer and grow with their business needs.

EFI Colorproof XF comes with roughly 1,600 pre-defined ICC profiles and printer linearizations to start proof production immediately after wizard based installation and setup. EFI Colorproof XF also provides all tools to manage and control color for the individual configuration (printer, ink, paper) installed at the customer site.

www.efi.com

2010 Product Introduction

Software



Enfocus NV
PitStop Connect
(Preflight)

Booth 217

PitStop Connect is a transparent bridge between creative professionals and printers/publishers that automatically preflights files and makes them compliant with desired, custom, specifications -- before delivering them to production.

PitStop Connect eliminates the need to go back and forth, repeatedly discussing and making changes to files, because production receives files with its requested settings and specifications right away. This removes a typical bottleneck in the production cycle.

PitStop Connect guarantees that PDF files will print properly. A simple interface allows printers/publishers to create Connectors. The Connectors contain settings like Preflight Profile, Actions Lists and delivery specifications. PitStop Connect is then given to designers in the form of these Connectors - small desktop droplets – containing the custom production specifications. Printers and publishers distribute the Connectors, at no charge, to any number of creative users.

Designers and creative professionals drop new PDF files on a Connector, and it automatically preflights and transmits the file to the document receiver by delivering directly to an FTP or directly into a Switch workflow. No installation is required.

www.enfocus.com

2010 Product Introduction

Software



EskoArtwork
Studio 10
(Package Design)

Booth 217

Studio is a unique set of tools for 3D packaging design, made specifically for packaging artwork professionals, to help produce better artwork. Whether a designer trying out different ideas, or a prepress operator checking a back-match, Studio lets an operator virtually hold the package in one's hands.

Studio is also a powerful communication tool. It helps create 3D visuals to show clients, ranging from PDF files with 3D content to movies, or a virtual packshot. Studio is fast and easy to learn, integrating with popular tools (like Adobe® Illustrator®).

Studio is a modular solution, a mix of Illustrator® plug-ins and standalone tools. Users can pick a starting configuration, with the option to expand later.

Designer adds a 3D preview and lets users create 3D PDF files or TIFF packshots. The Toolkits let users quickly and easily prepare a 3D packaging shape that can be used in Designer or Visualizer. Toolkits are available for labels, boxes, shrink sleeves (with automatic distortions) and flexibles. For other packaging shapes, the online Shapes store offers packaging 3D models for sale. Visualizer adds the finishing touch. Its patented dynamic print visualization can show a wide range of substrates, printing, lighting and finishing effects in real-time.

www.esko.com

2010 Product Introduction

Software



EskoArtwork

Booth 217

Suite 10

(Integrated Production)

Suite 10 is the step change release of EskoArtwork integrated software for packaging, print, and sign & display. It is scalable, easy-to-use and easy-to-maintain.

It introduces a series of engines: Automation Engine, workflow automation and job management software; Color Engine, centralized color management server and database with patented spectral profile technology with spot-color capabilities;

Imaging Engine, for proofing, screening and printing output across conventional and digital imaging and print devices; and Dynamic Content Engine, for collaboration and content management for critical packaging content including text, bar codes and nutrition tables.

Suite 10 also includes ArtiosCAD, with dedicated tools specifically designed for packaging structural design, product development, virtual prototyping and manufacturing.

Suite 10 Studio brings 3D into the packaging design and pre-production, so that every operator can now work in 3D, check and finish artwork designs quicker and create animated 3D visuals for the customer. Studio features 3D creation of virtual mock ups including finishing effects.

Suite 10's graphic editors are comprised of ArtPro editor for pre-production of labels and packaging; PackEdge, a full-featured packaging pre-production editor offering trapping, distortion, screening, barcodes, etc.

DeskPack pre-production modules for Adobe® Illustrator® CS and Adobe® Photoshop® CS, including barcodes, preflight, trapping, and others.

www.esko.com

2010 Product Introduction

Software



GMG Americas
SmartProfiler and ColorServer
(Color Management)

Booth 644

Wherever a color goes, it stays that color. Digital and large format printers are increasingly expecting high color accuracy, repeatability, and colors that match those of print media produced by classic printing processes, such as offset or gravure printing. The same applies to companies that operate several output devices of an identical or similar type calibrated to industry or in-house standards.

The answer in such cases is centralized color management with GMG ColorServer in conjunction with the new GMG SmartProfiler – a user-friendly solution for creating GMG ColorServer profiles and printer calibrations.

GMG SmartProfiler is a wizard based profiling application enabling any user, even those without expert color knowledge, to very easily calibrate, recalibrate and profile a wide variety of output devices without needing any in-depth knowledge of color management. New tools analyze the condition of the printer as a first step. This allows customers to choose the optimum profiling strategy and to detect if the printer might need maintenance before profiling starts.

The data is converted to the corresponding output color space using GMG ColorServer. This procedure is performed automatically using the Adobe based PDF to PDF technology. Consistent color results are easily achieved across all of the printing devices.

www.gmgcolor.com

Software



Lorton Data

Booth 5218

A-Qua Mailer On-Demand Direct Mail Services *(Cloud-based Service)*

A-Qua Mailer™ is a complete, on-demand suite of direct mail services managed by experts, available to any size organization, any place and any time, providing cost effective pre-mailing solutions.

A-Qua Mailer is a web-based service, enabling direct mailers to access address quality and mail list processing services such as ZIP + 4[®], NCOA^{Link}[®] processing, Duplicate Elimination, Postal Presort, Printer File Output, and more without having to install software on their computer.

Using A-Qua Mailer, direct mailers can save an average of 49% per year, by accessing these services “in the cloud,” when compared to costs associated with using mailing software. Not having to own or renew software eliminates maintenance and upgrade fees, costs for dedicated computer equipment, and reduces processing and staff times. Since all pre-mailing services are available with A-Qua Mailer, no add-ons are needed or update fees assessed.

A-Qua Mailer also benefits those direct mailers who only periodically need services, or may be unfamiliar with the sometimes complex pre-mailing requirements. A-Qua Mailer is an automated service available on-demand without minimum usage requirements. Direct mailers simply use any type of computer with access to the internet. Unlimited use and processing options are available that include NCOA^{Link}[®] processing.

www.lortondata.com/aqua/

2010 Product Introduction

Software



Pantone, LLC
Plus Series
(Color Control)

Booth 448

The Pantone Plus Series is the next generation of the Pantone Matching System – the worldwide color communication standard for nearly 50 years. Pantone Plus takes the Pantone Matching System and supercharges it with a host of new features, colors and digital tools – including chromatic arrangement of colors for more intuitive selection, an expanded palette of spot colors, new premium metallics and a broader range of neons. Pantone Color Manager Software, which is included with every Plus Series purchase, lets users update design software with Plus Color Libraries. Users can also convert spot colors to CMYK simulations with loaded ICC profiles, and guides in the Plus Series include a ColorChecker Lighting Indicator that shows whether current lighting conditions are suitable for color evaluation.

Pantone Plus includes:

- Pantone Formula Guide (Solid Coated and Uncoated)
- Pantone Solid Chips (Coated and Uncoated)
- Pantone Color Bridge (Coated or Uncoated)
- Pantone CMYK (Coated and Uncoated)
- Pantone Metallic Formula Guide (Coated)
- Pantone Metallic Chips (Coated)
- Pantone Premium Metallics (Coated)
- Pantone Premium Metallics Chips (Coated)
- Pantone Pastels & Neons (Coated/Uncoated)
- Pantone Pastels & Neons Chips (Coated/Uncoated)
- Pantone Color Manager Software
- myPantone/X-Ref iPhone applications

www.Pantone.com

2010 Product Introduction

Software



Xerox Corporation
FreeFlow Solutions
(Workflow)

Booth 600

Since Print 09, Xerox made many additions and enhancements to its FreeFlow suite – an extensive portfolio that delivers automated “touch less” solutions and enables customized workflows to move jobs quickly and easily from prepress through fulfillment.

Expanded connectivity between FreeFlow Digital Workflow Collection and Heidelberg Prinect Print Shop tools automatically direct hybrid applications to the appropriate offset or digital print engine. For example, users can attach custom digital covers to an offset-run of photo books with the touch of a button.

Xerox VIPP Pro Publisher users can now select clear dry ink during application design with a single step, avoiding prepress operations that could take hours. The VIPP Pro Publisher plug-in satisfies the design needs of the graphic arts community for producing variable documents, saving hours over traditional pre-composition models. Other additions include expanded support for Adobe InDesign CS5 on Windows, Intel Mac OS X plus increased feeding and finishing capabilities.

Version 9.0 of Xerox’s FreeFlow Express to Print adds new capabilities for job ticketing and prepress functions using a simple click, drag and drop method. Users can easily add media programming, inserts, tab annotations and extensions, and choose from single or multiple finishing options – all with faster user-interface responsiveness and a reduced memory footprint.

www.xerox.com

Software



XMPie, Inc.
PersonalEffect 5.0
(Cross Media)

Booth 600

XMPie Hosted e-Media Express Edition™ is an entry-level version of PersonalEffect e-Media, delivered as a subscription-based SaaS solution. This offering is XMPie's first entry into cloud-based services, driven by Amazon cloud technology, and marks the first time users have access to a hosted e-communication solution that provides integration with print capabilities.

With XMPie Hosted e-Media, users can create targeted e-mail messages and personalized URLs (PURLs) or Response URLs™ (RURLs) that drive recipients to fully-personalized micro-sites, all through XMPie's uProduce™ server, using Adobe® Creative Suite design tools and a basic Excel® recipient list. Users can also connect uDirect, XMPie's desktop-based variable data print solution, to the hosted uProduce server via XMPie's unique ICP technology to produce print on the desktop, while deploying electronic media from the hosted server. Together, uDirect and Hosted eMedia can share the same data and business rules.

Hosted e-Media can also act as a data and logic hub for remote, desktop locations that can link to a port. For example, if a remote agency is creating a campaign design, they can easily link to Hosted e-Media from the desktop, see how the design looks with the data incorporated, and simply make any necessary changes or adjustments.

www.xmpie.com

2010 Upgrade Introduction

Software



XMPie, Inc.
Hosted e-Media Express Edition
(Cross Media)

Booth 600

XMPie Hosted e-Media Express Edition™ is an entry-level version of PersonalEffect e-Media, delivered as a subscription-based SaaS solution. This offering is XMPie's first entry into cloud-based services, driven by Amazon cloud technology, and marks the first time users have access to a hosted e-communication solution that provides integration with print capabilities.

With XMPie Hosted e-Media, users can create targeted e-mail messages and personalized URLs (PURLs) or Response URLs™ (RURLs) that drive recipients to fully-personalized micro-sites, all through XMPie's uProduce™ server, using Adobe® Creative Suite design tools and a basic Excel® recipient list. Users can also connect uDirect, XMPie's desktop-based variable data print solution, to the hosted uProduce server via XMPie's unique ICP technology to produce print on the desktop, while deploying electronic media from the hosted server. Together, uDirect and Hosted eMedia can share the same data and business rules.

Hosted e-Media can also act as a data and logic hub for remote, desktop locations that can link to a port. For example, if a remote agency is creating a campaign design, they can easily link to Hosted e-Media from the desktop, see how the design looks with the data incorporated, and simply make any necessary changes or adjustments.

www.xmpie.com

Graph Expo 2010 Product Introduction

Software

Management Information Systems

Worth-a-Look!



Avanti Computer Systems Limited HP SmartStream Integration

Booth 1061

Avanti's Print MIS software is fully integrated with HP SmartStream, HP's graphic arts digital portfolio developed for print providers who want to automate their print workflows.

Avanti's unique integration includes three critical touch-points of the print workflow: 1) Smartstream Director (web-to-print) to Avanti Print MIS, 2) Avanti to HP's Digital Front Ends (DFE,) and 3) DFE back to Avanti.

These three key integration points eliminate the need for resources to manually enter data at each step along the workflow. Critical job information is exchanged, updated and processed in Avanti in real-time for every single job that the shop processes, providing true job-level insight.

When a job is submitted by a customer through HP's web storefront, important job information is automatically passed to Avanti's order entry module in the Print MIS system. Avanti automatically creates a job and sends job parameters (i.e. job description, customer info, stock, quantity) to HP's DFE's SmartStream Production Pro and Production Plus print servers. Once processed, the print servers immediately send back job details to Avanti where important information is updated in the MIS (ie. costing information, stock inventory levels, job and device status.) This all occurs seamlessly, bi-directionally and without human intervention.

www.avantisystems.com

2010 Product Introduction

MIS



EFI
Monarch 2010.1.2

Booth 2000

EFI Monarch is a flexible, powerful, intelligent, and automated print production and management solution for large, single and multi-plant operations. Scalable to 5,000 users with multi-language and multi-currency capabilities, Monarch offers a high degree of functionality and flexibility for the efficient management of all work types from the most basic jobs to the most complex projects.

The Monarch core system includes advanced job management, intelligent production planning, and JDF-certified integration with many of the industry's top suppliers of pre-press, press and finishing equipment. When combined with EFI's Digital StoreFront® Web-to-Print, the global optimization capabilities of PrintFlow® dynamic scheduling and Auto-Count® direct machine interface tools, as well as third-party integration to popular prepress systems (including Kodak PRINERGY and AGFA Apogee), Monarch delivers a combination unavailable anywhere else in the industry. Monarch includes:

- A comprehensive MIS/ERP solution with estimating, job, inventory, costing, financial and analysis tools.
- Advanced visual planning with the ability to handle complex layouts and versioning.
- Automated dynamic scheduling with unlimited 'what-if' scenarios.
- Rules-based automation with a user-defined-rules architecture for managing resources and costs.
- Just-in-Time manufacturing – ability to modify production plans based on real-time environmental conditions.

www.efi.com

MIS



**Prism
mobileMIS**

Booth 4018

Prism mobileMIS is an application that allows users to access Key Performance Indicator dashboards, mobile quotations, mobile warehouse management, and mobile machine, job, and performance monitoring on mobile phones and browsers. This technology is an extension of Prism's management information system, WIN, and production management system, QTMS. Both solutions offer end-to-end management of medium to large printing companies in a fully integrated, modular software and hardware solution. Key performance indicator (KPI) dashboards allow a high level view into business performance, and QTMS dashboards give a view into machine speeds, status, operators, and quantities.

Users can launch their print MIS and track their business directly from their mobile phone with Prism mobileMIS. Whether a management executive checking key business sales, production, financial and customer service performance indicators from the 19th hole; a remote sales rep who needs an instant, real-time price quote from across the buyer's desk; a production manager establishing a JDF link with prepress, press and finishing equipment from a smartphone, or a warehouse manager who needs to manage inventory from a hand held wireless device, Prism mobileMIS can help.

Prism mobileMIS is browser enabled and easy to use. There is no client software needed.

www.prism-usa.com

2010 Product Introduction

MIS



Presstek, Inc.

Booth 2600

75DI

(Direct Imaging [DI] Press)

The Presstek 75DI is a 6-page, 29” multitower, digital offset press that simultaneously images chemistry-free plates on-press, eliminating the need for off-line platemaking. It is highly automated, from plate advancing, imaging and cleaning, to sheet delivery. The Presstek 75DI is available in 4 to 10 color configurations with an aqueous coating option.

Once a digital file has been received, plate imaging begins and printed sheets can be delivered in less than 10 minutes. Multiple laser diodes are directed through a single lens resulting in extremely exact dot placement for a continuous and consistent image. All plates are imaged at 2540 dpi simultaneously in precise register, then plates are automatically cleaned and printing begins (up to 16,000 sph.) The waterless design of the press ensures a broader color gamut than conventional printing, with higher density, less dot gain, and sharper details.

Additional options for extreme automation include: automatic ink roller and blanket cleaning, nonstop delivery racking system, open doctor blade coating system allowing for cleanup while press is running, printing density control system, automatic paper size preset, impression pressure preset, and a thick stock option to accommodate stocks up to .031”.

www.presstek.com

Graph Expo 2010 Product Introduction

Presses - Offset Products



Eastman Kodak Company
Prosper S10 Imprinting System with Process Color
(Office – Digital Imprinter)

Booth 1227

The Kodak Prosper S10 Imprinting system is a high speed digital printer, capable of integration directly onto web offset presses and inline finishing equipment. With 600 X 600 dpi resolution, and low cost water based pigment inks, it can operate up to 1000 fpm at resolution. The S10 is also available with dye based monochrome inks, pigment based spot color inks, and pigment based process color inks.

The Kodak Prosper S10 Imprinting system offers offset class quality print capable of bringing higher ROMI (Return on Marketing Investment). Capable of printing inline with an offset press or inline finishing equipment, it can reduce cost in operations by reducing waste, inventory, spoilage, and labor associated with a one step rather than a two step imprinting process.

www.kodak.com

Presses - Offset Products



Muller Martini Corp.
Variable Sleeve Printing Press
(Offset Lithography – Variable Sheetfed)

Booth 637

Muller Martini's VSOP (Variable Sleeve Offset Press) technology provides web offset printing for the flexible packaging, labels and folding carton markets. Sleeve technology enables print sizes to be changed to any repeat length between 15" and 30" without having to remove entire inserts, which is beneficial for packaging applications where print lengths change frequently. In addition, hybrid printing techniques such as flexo, gravure, screen and digital printing can be added in-line with the VSOP technology, further enhancing the flexibility and efficiency of the system and making it suitable for a variety of complex packaging and label jobs.

Muller Martini's VSOP technology represents a singular solution for an array of markets, including: wet-glue, wrap-around and in-mould labels; films, laminates and food packaging; and folding boxes, liquid packaging and carton printing. It is available in two different web widths (i.e. 20-1/2" and 33-1/2") and has a maximum production speed of 1,200 fpm.

www.mullermartiniusa.com

2010 Product Introduction

Presses - Traditional Analog



**adphos North America and
Graphic System Solutions (GSS)
TDC (Tower, Dryer and Carriage)**

**Booth 2236
Booth 2536**

GSS/ adphos TDC (Tower, Dryer, Carriage) systems are a family of high performance, cost effective solutions which enable the integration of digital monochrome, spot or process color inkjet printing with traditional offset web presses and finishing lines at speeds of up to 1,000 feet per minute. TDC's can also be used in offline applications as ultra high speed standalone laser printing replacement systems. TDC's are available in portable, simplex and duplex configurations.

With ever changing applications, printers need equipment solutions that are easily configurable and upgradeable to meet the needs of a diverse customer base and to protect their initial equipment investments. With a TDC system, it is possible to start with a basic simplex monochrome system, and later upgrade to accommodate multiple "swaths" of duplex process color inkjet printing. All upgrades can be performed with minimal downtime at the customer's facility.

With many businesses looking to "go green", companies will appreciate that adphos NIR energy, air management systems, and patented reflector systems, combine to reduce power consumption by more than 30%.

www.adphosna.com

2010 Product Introduction

Presses - Press Auxiliary

Offset Printing Plates

Must See 'ems!



Agfa Graphics
Amigo TS

Booth 844

Agfa's Amigo TS thermal printing plate now offers faster speed, improved contrast and increased daylight stability. The eco-friendly plate is based on Agfa's proven Thermofuse technology. During the exposure process, thermoplastic pearls absorb energy, melt and fuse together, and bond to the aluminum substrate. Unexposed areas are removed by washing the plate surface with a mild clean out solution. No developer is required.

:Amigo TS works on most 830nm thermal platesetters and accommodates fluctuations in laser energy and processing variations with virtually no effect on image quality. Plate processing is simple and clean. :Amigo TS offers run lengths up to 200,000 impressions unbaked and longer runs baked. It's ideal for a wide range of commercial printing applications on both sheet fed and web presses.

www.Agfa.com

Graph Expo 2010 Product Introduction

Offset Printing Plate



Eastman Kodak Company
Trillian SP Thermal Plate

Booth 1227

The Kodak Trillian SP Thermal Plate is a new thermal digital offset plate with wide operating latitude ideal for long runs and is resistant to aggressive press chemistry and UV inks. The Trillian SP Plate offers quality printing for medium to long run sheetfed, heatset web, and offset packaging applications with a resolution of 1% to 98% @ 300 lpi and FM capability of 20 micron stochastic. The Trillian SP Plate prints unbaked run lengths of 500,000 and can be postbaked for extended run lengths of over 1,000,000 impressions or for challenging printing conditions. Trillian SP Plates use a neutral 6.8 pH plate solution which can help printers minimize environmental impact. Trillian SP Plates do not require preheat ovens or proprietary processors and can reduce the use of chemistry, water, energy, and waste in platemaking.

www.graphics.kodak

2010 Product Introduction

Offset Printing Plate



Epson America, Inc.
Stylus Pro 7900CtP System

Booth 617

The new Epson Stylus[®] Pro 7900CTP system is a complete turn-key system designed for printing press-duplicators and small printing press businesses. This Computer to Plate system combines an Epson Stylus Pro 7900 printer with a unique plate curing device, RIP software and plate guide attachment.

The 7900CTP system features new Epson DirectPlate Aluminum technology, a unique high-resolution aluminum press plate that is chemically coated to work with standard Epson UltraChrome[®] ink technology. Once imaged and following a quick heat curing process, the Epson DirectPlate Technology can produce up to 20,000 impressions. The result is a superior press output with better solids, cleaner halftones, sharper text and line art, and the ability to reach up to 175 lpi press output. In addition, Epson DirectPlate Aluminum technology eliminates the mess and frustrations that are commonly associated with clean-up of standard platesetters thanks to a chemical-free process that is also safer for the environment and workers' health.

www.proimaging.ipson.com

Graph Expo 2010 Product Introduction

Offset Printing Plate



**Mitsubishi Imaging (MPM) Inc.
Processless DigiPlate (PDP)**

Booth 224

The Processless DigiPlate PDP is a true chemical-free offset lithographic printing plate with polyester or paper base that is available in roll format for typical 2-up and 4-up plate sizes. The polyester based plate material is available in 100, 175 and 250 μm thicknesses and the paper based plate is available in 185 μm .

PDP is a violet laser sensitive plate which uses a polymer cross-linking technology that does not require any chemical processing to create the image area. The plate washing process requires only regular water for rinsing. PDP does not require any pre-heating at the imaging or processing stages.

PDP offers a maximum resolution of 3000 dpi and 200 lpi for run lengths up to 20,000 impressions. It can be handled in room light, and is a positive plate with a clear and easily visible image area on output that allows for easy plate inspection prior to mounting on the press. Besides being chemical-free, PDP CO₂ emissions are extremely low compared to aluminum based plates.

www.mitsubishiimaging.com

Graph Expo 2010 Product Introduction

Offset Printing Plate

Digital Presses

Must See 'ems!



Fujifilm North America Corp.

Booth 627

Digital Inkjet J Press 720

(Production Color – Sheetfed)

The FUJIFILM Digital Inkjet J Press 720 has the look and feel of an offset press but offers the versatility and job handling of a digital device. It features a standard four-up offset sheet size with a paper delivery and exit like that of a traditional offset press.

The J Press 720 prints on regular coated offset stocks which allows for printing on both standard bond and offset-sized sheets. It uses water-based, eco-friendly ink so there is no toner pile-up, resulting in an offset-like finish and quality. The water-based inks also mean the unit requires less cleaning and produces less waste.

The J Press 720 prints up to 2,700 28.3”x20.5” four-up size sheets per hour, or 10,800 8.5”x11” pages per hour, resulting in a product that offers offset quality and robustness plus the versatility to handle short press runs.

Print quality is 1,200 dpi with a maximum PPM of 180 and offers four-level gray scale capability, which is achieved by utilizing Fujifilm Dimatix’s SAMBA™ single pass piezo drop-on-demand inkjet head technology.

The J Press 720 has an incorporated infrared drying system, which means no drying time is necessary after printing so sheets are immediately ready for finishing.

www.fujifilms.com

Graph Expo 2010 Product Introduction

Digital Press



Hewlett-Packard
Indigo 7500 Toner Digital Press
(Production Color – Sheetfed)

Booth 1200

The HP Indigo 7500 digital press is a 13” x 19” sheetfed high-volume liquid toner digital printing solution capable of printing 120 letter pages per minute (ppm) in full color or 240 ppm in monochrome or two colors. The press can deliver monthly duty cycles up to 3.5 million color or 6.5 million monochrome pages, with 7 ink stations allowing 4-, 6- and 7-color Pantone emulation.

The press includes a new Vision System that performs automated calibrations and diagnostics, while the HP Indigo Print Care package includes troubleshooting assistance and webcam communication.

Supporting a wide variety of substrates, including coated, uncoated and specialty medias, the press performs with paper weights as light as 40 lb uncoated text to as heavy as 130 lb coated cover. Substrates between 3- and 16-pt thick can be used (18-pt with the optional thick substrate kit).

The HP Indigo 7500 digital press is offered together with a number of workflow solutions designed for different shop types, including HP SmartStream Production Pro Print Server for strong production, VDP and color capabilities, and HP SmartStream Production Plus Print Server, powered by Creo, for hybrid offset/digital print environments and those requiring integration of the HP Indigo 7500 digital press into Prinergy workflow environments.

www.hp.com/go/GSB

Graph Expo 2010 Product Introduction

Digital Press



Konica Minolta Business Solutions

Booth 2244

bizhub Press C8000

(Production Color – Sheetfed)

The bizhub PRESS C8000 color digital press delivers productivity, reliability and workflow enhancement, and raises the bar in production print, according to Konica Minolta. It offers efficiency and uncompromised output quality at competitive production print speeds, and is the first system introduced in Konica Minolta's new product line.

The bizhub PRESS C8000 prints at 80 color ppm on a wide variety of stock; up to 13" x 19" sheet size, offers Konica Minolta's unique Simitri HD+ color polymerized toner; includes an Image Density Control sensor for real-time color density adjustment; and provides density balance adjustment mode for stabilized printouts.

The bizhub C8000 also offers:

Three Print Controllers: With a range of image control options from Fiery®, Creo® and Konica Minolta, users have print control and color management capabilities to handle graphics-intensive color print jobs.

Image Preview Kit: Provides on-board document preview/review for Konica Minolta Print Controller.

New Dual Fusing Unit: A technology innovation that maintains high output speed and rapid job turnaround to meet tight color deadlines.

New Relay Unit: Automatically relays print information directly to the print engine to make key adjustments on the fly.

Humidification System: The bizhub PRESS C8000 accepts a wide range of heavy and coated stock, and uses an advanced humidification system to tame any stock.

www.kmbs.konicaminolta.us

2010 Product Introduction

Digital Press



Xerox Corporation
Color 1000 Toner Press
(Production Color – Sheetfed)

Booth 600

Introduced at On Demand 2010, the Xerox Color 1000 Press is a full-color, high-volume device, designed for commercial and in-plant print operations, and marketing communications firms. Printing 2,400 x 2,400 dpi at 100 ppm, the press is both productive and delivers high end color and uniformity in its image quality. It is able to print on both coated and uncoated paper with a maximum sheet size of 13" x 19.2".

With broad media latitude accommodating stocks from 55 to 350 gsm, users can print anything from lightweight mailers to thick, heavyweight photo keepsake applications. The press also uses Xerox's new low-melt Emulsion Aggregation Dry Ink, which delivers an offset-like finish and requires less energy to manufacture than conventional toners.

The Color 1000 Press boasts an optional fifth print station for Clear Dry Ink, a feature exclusive to these devices within the Xerox color portfolio. The Clear Dry Ink amplifies full-color jobs and allows for images and text to be highlighted for visual impact, or digital watermarks applied for artistic effect or security.

www.xerox.com

2010 Product Introduction

Digital Press



Eastman Kodak Company

Booth 1227

Prosper 5000XL Press

(Production Color – Inkjet Rollfed)

The Kodak Prosper 5000XL Press incorporating Kodak's Stream inkjet technology is a production web press that offers full process color perfecting capability with a print width of up to 24.5 inches (62.23 cm) at speeds up to 650 fpm (200 mpm). It is an optimized production inkjet web press for 8, 12 and 16 page signatures with a duty cycle of 120 million A4 or US letter pages a month.

The Prosper 5000XL Press with its automated Color Management and Image Quality Management System is capable of printing quality that rivals offset output up to 175 lpi on uncoated, coated, and glossy papers ranging from 45 to 300 grams per square meter or 30 to 200 pound book weight and is PDF, PPML/GA, PDF-VT and PS compatible.

This robust and high performance inkjet web press helps customers differentiate themselves and be profitable by delivering on quality, productivity and cost in the book, direct mail, catalog, and insert segments.

www.prosper.kodak.com

Graph Expo 2010 Product Introduction

Digital Press



Screen (USA)

Booth 1637

Truepress Jet520ZZ

(Production Color – Inkjet Rollfed)

The Truepress Jet520ZZ single-pass inkjet web press can function as a high-volume variable data printer and a high-speed on-demand printer. The Truepress Jett 520 ZZ prints variable, full-color data at a top speed of 721 feet per minute.

The roll-fed paper transport system facilitates continuous feeding of inkjet paper, standard paper, uncoated paper, and matte and gloss coated stock. It is available with single engine duplex (SED) and dual engine duplex (DED) options.

The Truepress Jet520ZZ uses water-based pigment or dye inks in four process colors (CMYK). Piezo drop-on-demand printheads are mounted in Screen's single-pass, multiple-head array. The press offers a maximum imaging resolution of 720 dpi x 720 dpi. The grayscale printheads produce an apparent resolution of 1,440 dpi.

Equios DFE, Screen's new Adobe PDF Print Engine 2-based digital front end, enables the Truepress Jet520ZZ to deliver variable data and personalized print jobs at full rated production speeds. In addition, Truepress Jet520ZZ introduces a web inspection system with multiple cameras that monitor imprinted substrates for imperfections.

www.screenusa.com

Graph Expo 2010 Product Introduction

Digital Press



Xerox Corporation
Espresso Book Machine

Booth 600

(Production Black & White – Toner Sheetfed)

The Espresso Book Machine (EBM), a Xerox Solution, is a cutting-edge book production system that accesses millions of copyrighted, public domain, out-of-print or rare texts for consumers while they wait, providing complete book production instantly. The EBM solution also creates opportunity for owners to produce self-published titles, a market that is growing by hundreds of thousands of titles each year.

The EBM can produce a 300-page paperback book with a color cover in less than five minutes with capacity to print more than 40,000 paperback books per year.

The EBM uses EspressoNet, a proprietary and copyrighted software system that connects the device to a network of 3.3 million titles obtained with the approval of the publishers. EspressoNet assures the security of publishers' titles, tracks all jobs and provides payments to publishers. Content owners retain full rights and control of their digital files.

A fully integrated solution, the EBM prints, binds and trims paperbacks with full-color covers and can produce variable combinations of trim sizes between 4.5" x 5.0" and 8.25" x 10.5" for a production cost less than one cent per-page. The Xerox 4112 Copier/Printer is the print engine, printing the monochrome book block within the solution.

www.xerox.com

Digital Press



Canon U.S.A., Inc.
imagePress C7010VP
(Production Color - Toner Sheetfed)

Booth 2027

The imagePRESS C7010VP is Canon's next-generation 4-color, cutsheet digital color press for commercial printers, in-plant facilities and quick printers. With customers demanding greater return on capital expenditures, the C7010VP adds functionality that delivers a greater return on investment for printers that want to capitalize on digital print technology. New features include enhanced density stabilization technologies to enable more consistent output and an expanded media handling capacity from 16 lb. bond to 120 lb. cover as well as a new saddle-stitch finisher that enables large size (13"x19") booklet capacity of up to 25 sheets/100 pages.

With its advanced imaging platform, the imagePRESS C7010VP prints up to 4,200 4/0 letter-sized sheets of media per hour, regardless of paper weight, and features productivity advancements for jobs containing mixed media and larger sized sheets. With 1200 x 1200dpi resolution, dual-fusing, gloss optimization, intelligent registration technologies, and fine particle, oil-free colorants the new press delivers output rivaling offset devices.

To maximize uptime, the imagePRESS C7010VP offers "on-the-fly" toner/waste toner/paper replacement technologies and enhanced user controls to simplify output adjustments. The press features recyclable consumables, power saving mode and has the ability to print on many recycled substrates. To meet demand for customizable solutions, the press can be driven by the latest RIP technologies from EFI Fiery and Creo Color Servers.

www.usa.canon.com/cusa

Graph Expo 2010 Product Introduction

Digital Press



Xerox Corporation
iGen4 EXP Press

Booth 600

(Production Color – Toner Sheetfed)

The Xerox iGen4 EXP is a full color toner-based press designed for commercial printers, book publishers, direct-mail houses and digital service providers responsible for generating hundreds of thousands to millions of pages per month, and turning those pages into high-end collateral, direct-marketing pieces and photo specialty products.

The iGen4 EXP automates operator tasks and press functions, freeing up valuable operator time, keeping the press in production longer and enabling the production of more saleable output with an enlarged sheet size to 14.2” x 26” and running at 6,600 4/0 iph (110 ppm), the press includes: high-definition image quality; a wide array of in-line finishing options including saddle stitch booklets with a squarefold spine, UV coating of gloss or satin varnish and punching for lay-flat manuals and calendars. The iGen4 EXP has a wide range of substrate latitude including coated and uncoated media; up to 12 stocks in one collated job; and total paper capacity up to 80,000 sheets.

The iGen4 EXP offers choices of digital front ends – Xerox FreeFlow Print Server, Creo and EX Print Server powered by Fiery.

Designed to help companies reduce their environmental footprint, 97 percent of iGen4 EXP press components are recyclable or remanufacturable.

www.xerox.com

Digital Press



Eastman Kodak Company
NEXPRESS Red Fluorescing Dry Ink
(Production Color – Specialty Toner)

Booth 1227

Kodak NexPress Red Fluorescing Dry Ink is new addition to the Kodak NexPress Fifth Imaging Solutions portfolio. This innovative ink is clear when printed, and can be printed on top of images and graphics. When illuminated with an ultraviolet light source, it fluoresces a red color. This new capability enables the printing of security documents such as tickets, insurance cards, and government documents, and enables the printing of secure clear 2D bar codes or QR codes for workflow applications.

This technology is difficult to copy; making it an excellent security solution. The Dry Ink can be seen by the naked eye, which is not typical of most dyes that fluoresce when illuminated. When copied on a typical copier or desktop scanner, this dry ink image or bar code does not copy. The intensity of the red can be controlled by the amount of NexPress Red Fluorescing Dry Ink that is printed on the page. Red Fluorescing Dry Ink is applied inline.

This capability allows print service providers to expand into adjacent markets and increase print quantities, possibly at higher margins, and reduce overall cost of ownership.

www.kodak.com/go/nexpress

Graph Expo 2010 Product Introduction

Digital Press



EFI

Booth 2000

Jetrion 4830

(Label Printer – UV Inkjet, Web)

Designed for the label market, the EFI Jetrion 4830 builds on the success of its narrower digital predecessors and provides flexible options across a web width of 9 inches with a print width of 8.3 inches. Its UV-curable inks provide excellent durability and its maximum throughput speed is 120 feet per minute. This printer is designed for short run lengths and variable data applications as well as higher volumes.

The Jetrion 4830's re-registration capability enables four-color double-sided jobs to be output accurately, and it has the ability to be used on pre-printed and pre-die cut rolls. Its unique white-ink capability enables printing on clear film, which allows label printers to respond to a more diverse customer base.

The Jetrion 4830 can be integrated with the award-winning EFI Fiery XF RIP and EFI XFlow workflow solution for outstanding color reproduction and ease of use.

The Jetrion 4830 can be added as a complementary piece of equipment to increase current printing efficiency or it can replace multiple, lower productivity printers so label converters can become more profitable and productive than ever before.

www.efi.com

Digital Press



InfoPrint Solutions Company
InfoPrint 5000 MP
(Production Color - Inkjet – Web)

Booth 2017

The InfoPrint 5000 multipurpose (MP) is a continuous form inkjet printer and is the most recent addition to the InfoPrint 5000 family. The InfoPrint 5000 MP can be utilized in various configurations, including a twin-engine, or tandem or monochrome duplex. Like other members of the InfoPrint 5000 family, the InfoPrint 5000 MP utilizes highly reliable and efficient piezo electric drop-on-demand inkjet technology, and can produce up to 1,832 full-color letter-size impressions/minute (1,724 impressions/minute A4)¹ in 2-up tandem mode using a 20.4" (520 mm) web with maximum print width of 19.96" (507 mm). The print quality is achieved through the use of dynamic variable drop size for each addressable point on the page and exclusive screening algorithms. Initially, the InfoPrint 5000 MP offers customers the choice between black and MICR ink. The InfoPrint 5000 MP leverages the error recovery, auditability and security/control benefits of AFP. The InfoPrint 5000 MP is compatible with the market-leading InfoPrint ProcessDirector and InfoPrint Manager and offers integrated Magnetic Ink Character Recognition (MICR) printing capabilities.

www.infoprint.com

2010 Product Information

Digital Press



Xerox Corporation
Color 550/560 Printer

Booth 6000

(Multi-Function Toner Color –Sheetfed)

The Xerox Color 550/560 Printer combines graphic arts color and image quality with departmental and office workflows to bring the power of digital printing to environments of any size, including in-plants, quick print shops, commercial printers and enterprises.

The device is a true multifunction system with fax, scan, print and copy capabilities and benchmark image quality printing at 2,400 x 2,400 dpi using low melt emulsion aggregation (EA) toner. Jobs are produced with print speeds of 50/55 ppm and 60/65 ppm, color and black and white.

Expansive media latitude enables a wide variety of applications from office presentations to customized direct-mail pieces and photo books. Auto duplex printing up to 220 gsm/80 lb. cover coated and uncoated eliminates time consuming manual intervention for two-sided printing. To boost color management and streamline labor-intensive processes, the device comes with choice of Xerox FreeFlow, EFI or Creo print servers.

Inline finishing options, including Advanced, Professional, Standard and Booklet Maker Finisher, enable stapling, hole-punching, folding for presentations, brochures, reports, calendars and newsletters and booklets up to 25 sheets or 100 imposed pages. Five standard paper trays plus feeding options optimize the number of sheets per run and load-while-run paper and toner keeps jobs running without interruption.

www.xerox.com

Graph Expo 2010 Product Introduction

Digital Press

Wide Format Printers

Must See 'ems!



Agfa Graphics
Jeti 1224 HDC FTR

Booth 844

Agfa's Jeti 1224 HDC FTR (High Definition Color Flat-to-Roll) UV wide format inkjet printer is a high-productivity printer with a wide color gamut. It is built on a solid steel platform designed for three shift operations, a unique linear, motor-driven vacuum bed for accurate dot placement in both flatbed or roll-to-roll mode.

The 96" wide flatbed architecture can print on virtually anything that is reasonably flat up to five cm thick. It can support media rolls up to 250 pounds.

With CMYK and white as standard, Agfa's Jeti 1224 UV HDC FTR (Flat-to-Roll) delivers equivalent speeds in both binary and grayscale modes at resolutions up to 1200 dpi. Throughput is rated at 1182 ft²/hr in express mode, 582 ft²/hr in production mode and 390 ft²/hr in high quality mode. With drops as small as 8 picoliter, Agfa's Jeti 1224 UV HDC consumes less than 7.6ml of ink per m² yielding over 140 m² per liter of ink.

The Jeti 1224 UV HDC is designed for high resolution trade show graphics, POS (Point-of-Sale) displays, real estate signs, backlit signs, lenticular displays, high resolution banners, ceramic tiles, wood and many more flatbed applications.

www.agfa.com

Graph Expo 2010 Product Introduction

Wide Format Printer



EFI
VUTEk GS3200

Booth 2000

EFI's VUTEk GS3200 is a 3.2-meter grande format flatbed and roll-to-roll digital UV printer. VUTEk's Dual Resolution Capability enables true 600 dpi and true 1000 dpi with 24pl or 12pl drops.

The GS3200 is ideal for art replication, photography and high-definition POP displays, as well as traditional banner and signage applications. The GS3200 prints in 8-color-plus-white mode at speeds up to 1200 sq ft/hour, and in 4-color-plus-white mode at speeds up to 2400 sq ft/hr. It competes with high-volume commercial production printers with its ability to print up to 50 – 4'x8' sheets per hour. The GS3200 handles flexible or rigid substrates up to 126.5" wide and 2" thick and can simultaneously print onto two separate rolls. It can be switched from rigid to roll-to-roll in less than one minute and delivers three-layer white-printing capability, allowing access to a new range of high-value applications.

There is an optional heavy-duty roll unwinder, optional extension tables with casters for versatility, and an optional small-depth extension table for use with boards/panels and multiple fence-stops. The new VUTEk MediaMaster is a fully-automated material handling system that one operator to keep up with the GS3200's fast output capabilities or even run two VUTEk printers simultaneously.

www.efi.com

Wide Format Printer



**Hewlett-Packard
Scitex LX800 Printer**

Booth 1200

The HP Scitex LX800 Printer is the first solution using HP Latex Printing Technologies designed for the industrial large-format market. It is the largest, most productive HP Latex Ink device to date and is capable of producing a wide variety of high-quality indoor and outdoor applications including point-of-purchase displays, light boxes, soft signage, interior decorations and vehicle wraps with direct-to-substrate printing on vinyl, wall paper and polyester fabrics.

At 126 inches wide, the printer produces output at speeds up to 947 ft²/hr and up to 4 point text with 1200 dpi resolution. It features roll-to-free fall, roll-to-collector and dual-roll capabilities for unattended printing and new HP Print Care tools and services that provide use production and job cost information and remote maintenance assistance. An embedded spectrophotometer, HP Optical Media Advance Sensor, user-replaceable printheads and automatic printhead testing and servicing maximize productivity and ease-of-use.

Water-based HP Latex Inks have no hazard warning labels and no hazardous air pollutants, but still provide outdoor prints with display permanence up to three years and scratch, smudge and water resistance comparable to low-solvent inks. HP Latex Inks on HP PVC-free Wall Paper offer odorless indoor wall decorations that meet the GREENGUARD criteria for low-emitting products.

www.hp.com/go/GSB

2010 Product Introduction

Wide Format Printer



Agfa Graphics
Anapurna M 2050

Booth 844

Agfa's Anapurna M 2050 is a high-speed, six-color plus white, UV-curable inkjet printer joining Agfa's established series of wide format systems, designed to give users a cost effective solution for display printing. The productivity of the Anapurna M 2050 is achieved using eight print-heads, 8,192 nozzles, and the ability to print in both uni- and bi-directional modes without compromising speed or quality. With a maximum resolution of 1440 dpi, it accommodates rigid materials to 6.5' x 9.5' and rolls to 6.5' wide and is optimized at 247 ft²/hour for print output.

Its versatility is enhanced with flexible media handling capabilities and a standard four-zone vacuum table offering additional strength for controlling a wider range of substrates varying in size and thickness up to 1.77 inches. Enhanced operator controls include a built-in, user-friendly touch screen and an AgfaRIP engine.

Standard operating features include registration bars, anti-static bars, shuttle safety sensors, ionizer bars on the carriage, automatic head height adjustment and a refined vacuum power control which all combine to deliver flawless transport.

Agfa's Anapurna M 2050 uses new flexible G2 UV inks, allowing finished output to be cut or creased without flaking or cracking, extending the design options available for output.

www.Agfa.com

Graph Expo 2010 Product Introduction

Wide Format Printer



EFI
Rastek H652

Booth 2000

EFI's Rastek H652 hybrid flatbed printer handles a wide range of rigid and flexible materials up to 1.8-inches thick with a versatile vacuum belt media transport system, making it ideal for banners, display graphics, Point-of-Purchase advertising, membrane-switches and packaging applications. It can print at resolutions up to 1200 dpi for photograph-quality graphics and speeds up to 455 sq ft/hour for billboards and other high-production applications.

The H652 has five Piezo Electric gray-scale print-heads that produce up to eight levels of gray-scale and smooth gradients by utilizing eight sizes of drops ranging from 6-42 pL for fine detail and/or fast throughput. The H652 comes with four-color plus white ink support for spot-color and under- and over-printing, so businesses have more options to increase their capabilities and profits.

www.efi.com

2010 Product Introduction

Wide Format Printer



**EFI
Rastek T1000**

Booth 2000

EFI's Rastek T1000 wide-format flatbed printer combines high-speed, high-definition and price performance. It is capable of generating sharp text and photographic image quality using CMYK (plus white) UV-curable inks with minimal reduction in speed when printing white.

With a stationary, three-zone vacuum table and retractable media registration pins, the Rastek T1000 has the versatility to handle a wide range of rigid media up to two inches thick quickly and easily, including acrylic, aluminum, Fome-Cor, glass and plywood. Its table area of 52"x98" is perfect for creating indoor and outdoor signage, Point-of-Purchase advertisements, membrane-switches and packaging applications.

The T1000 prints at speeds up to 400 sq ft/hour and variable resolutions up to 1200x900 dpi. Its white ink capabilities allow for eight-levels of gray-scale and over-, under- and spot-printing, all with minimal reduction in print speed.

www.efi.com

2010 Product Introduction

Wide Format Printer



**Hewlett-Packard
Designjet L25500 Printer**

Booth 1200

The HP Designjet L25500 Printer is a large-format printing solution that uses water-based HP Latex Inks and HP Thermal Inkjet printing technologies to produce a variety of outdoor and indoor applications, including posters, point-of-purchase displays, banners and car wraps. The printer is ideal for small and midsize digital print and sign shops, as well as copy shops and photo labs interested in offering a wider range of applications than is possible with eco-solvent or traditional water-based printing alone.

Available in 42- or 60-inch models, the six-color device offers speeds up to 246 ft²/hr and a maximum resolution of 1200 x 1200 dpi. Designed with ease-of-use in mind, output leaves the printer dry and ready for lamination, packaging, shipping and display. Features such as the HP Optical Media Advance Sensor and embedded spectrophotometer maximize productivity.

Users can also access and control the printer through a web browser, including remote monitoring of ink and media usage during unattended runs. The ENERGY STAR® qualified printer produces odorless prints and requires no special ventilation equipment or external dryers. Prints produced on HP recyclable media can be returned and recycled for free through the HP Large-format Media take-back program.

www.hp.com/go/GSB

Wide Format Printer



**Hewlett-Packard
Designjet Z5200 Printer**

Booth 1200

The HP Designjet Z5200 PostScript® Printer is an entry-level large-format printing solution that offers easy, affordable and high-quality printing in-house. Designed for copy shops and quick printers interested in entering the large-format market, the printer can produce a broad range of applications such as posters, point-of-purchase displays, maps, light boxes and canvas prints. The 44-inch, eight-color large-format printer produces line drawings at up to 42.1 D prints per hour and color images at speeds up to 445 ft²/hr, with a maximum resolution of 2400 x 1200 optimized dpi.

Facilitating the entry into large-format printing, the HP Designjet Z5200 PostScript Printer eliminates and automates many steps involved with traditional large-format technologies. The new HP Instant Printing Pro solution simplifies and accelerates the entire printing workflow with fast, easy file preparation and automatic nesting, preview, orientation and crop marks. The HP Designjet Z5200 PostScript Printer also includes an embedded spectrophotometer for automatic calibration and media profiling to help those without extensive color management experience ensure color accuracy and consistency across projects.

Capabilities such as unattended printing, simultaneous submission of multiple files direct to printer and a built-in PostScript interpreter for processing PS and PDF files provide additional production flexibility.

www.hp.com/go/GSB

2010 Product Introduction

Wide Format Printer



**Hewlett-Packard
Scitex FB700 Printer**

Booth 1200

The HP Scitex FB700 Printer is a highly-productive, 98-inch UV-curable solution with output speeds up to 861 ft²/hr and the ability to load, print and collect up to six sheets of media simultaneously. Featuring an automatic alignment bar for placing media and an onboard camera for detecting material position, the device makes loading media fast and easy. The HP Scitex FB700 Printer does not require daily printhead maintenance and includes remote monitoring capabilities with HP Scitex Print Care to maximize efficiency and ensure consistent results.

The HP Scitex FB700 Printer is ideal for a wide range of applications on virtually any rigid or flexible media, including point-of-purchase displays, tradeshow graphics, interior decorations, banners and furniture. Six-color, 1200 x 600 optimized dpi resolution printing produces smooth color transitions and sharp image detail for high-quality applications.

The HP Scitex FB700 Printer also offers an easy-to-use white ink option with a White Ink Upgrade Kit for undercoats, overcoats and spot color. HP White Ink Homogenizer maintains the stability of the white ink, preventing pigment sedimentation. The device also enables double-sided prints, matte, gloss and full bleed options and handles materials up to 2.5 inches thick and up to 98.4 inches.

www.hp.com/go/GSB

Graph Expo 2010 Product Introduction

Wide Format Printer



Océ North America
Arizona 550 GT

Booth 1217

The Océ Arizona[®] 550 GT UV curable flatbed printer joins the award-winning Océ Arizona Series at the high-productivity end of the range. This model is capable of POP-quality prints at 433 square feet per hour (or thirteen four- by eight-foot boards an hour). An Express print mode is available with print speeds of up to 721 square feet per hour (or 22 four- by eight-foot boards per hour), nearly three times higher than the fastest print speed available on the previously-released Océ Arizona 350 GT printer.

The Océ Arizona 550 GT printer utilizes Océ VariaDot[™] imaging technology to deliver near-photographic quality for virtually any large format display graphics application. As a true flatbed system, it can be used to print on most any rigid substrate or object up to 49.2 by 98.4 inches in area, and up to two inches thick. In addition, a Roll Media Option can be installed at any time to enable unattended printing on flexible, roll-based media up to 86.6 inches wide.

The Océ Arizona 550 GT printer features a White Ink Option to support under-printing on non-white media or objects, over-printing on transparent media for backlit applications, and/or white ink as a spot color.

www.oceusa.com/odgs

2010 Product Introduction

Wide Format Printer



Muller Martini Corp.
Sigma Line Digital Finishing

Booth 637

Muller Martini's Scaleable SigmaLine technology is designed for the production of digital books (either toner or inkjet; cut sheet or signatures) and can be installed in a near-line or in-line configuration. It consists of a 1,000 cycles per hour system featuring the SigmaBinder, a four clamp perfect binder with a measuring station that uses lasers to capture the dimensions of the incoming book block. These measurements are used to automatically set the binder's length, width and thickness dimensions in real time. The book is then transferred to the SigmaTower to allow the adhesive to cool and cure prior to trimming. It then moves directly into the SigmaTrimmer, where three independently driven knife elements automatically trim books of varying sizes and thickness without any makeready, i.e., there is no changing of pressing pads or cartridges.

The Scaleable SigmaLine system is controlled via a barcode intelligence technology that guarantees book block to cover match in the SigmaBinder and automatically relays the final trim size to the Sigma Trimmer for book-to-book changeover on the fly. The technology can be integrated into the complete SigmaLine system, which networks digital printing and finishing in one operation, enabling fully-automated, end-to-end production from blank rolls to completed books.

www.mullermartiniusa.com

2010 Product Introduction

PostPress



Böwe Bell + Howell
Harmonix Software

Booth 3612

Imagine an inserting system that has the smarts to slow down when it detects different set sizes, and speed up when there's an opportunity to optimize production—saving time, money and improving cycle speeds.

With the Mailpiece Harmonix software solution, inserters run more efficiently by adjusting the speed automatically in response to changing set sizes and inserter performance.

Since the machine speed can dynamically increase or decrease to adapt to processing conditions, it can increase speeds when operational conditions are favorable and decrease them when they are not.

Mailpiece Harmonix software can also dynamically change cycle speed to allow for maximum performance calculated against set size distribution. For example, it will increase for small set sizes and decrease when assembling larger set sizes. This allows the input feeder to complete assembling sets, and place material into track sessions without allowing the inserter to cycle with empty track sections.

With Harmonix, mailers can gain greater efficiencies from their existing equipment and ensure that their operations are running at the optimum capacity for each job.

www.bowebellhowell.com

Graph Expo 2010 Product Introduction

PostPress



**Gateway Bookbinding Systems
Koilmatic**

Booth 1171

Gateway Bookbinding System's new Koilmatic is a fully electric tabletop automatic coil inserter for plastic spiral binding. It has been designed specifically for the digital print market. It automatically inserts the coil binding into the pre-punched book then simultaneously cuts and crimps both coil ends. It can handle coil diameters from 8 to 20 mm (book thickness' from 1/8" to 5/8"). It will accept a binding edge up to 12 inches (A4). Fully electric (110 volt) – no compressed air is required. The Koilmatic enables the digital print shop to handle 1 book – 100 books – 1000 books – whatever may be required. The Koilmatic can achieve production speeds up to 450 books per hour. The Koilmatic is also half the price of Gateway's more industrial PBS 3000 QS Auto Inserter.

www.plastikoil.com

Graph Expo 2010 Product Introduction

PostPress



LasX Industries

Booth 2041

LaserSharp Spider STP-400 Digital Finishing System

The LaserSharp® Spider STP-400 is a fully automated sheet-to-part finishing system that combines laser processing with robotics. This digital finishing system enables the laser processing of complex, variable nested shapes while matching digital printing speeds, giving you a complete inline solution.

The Spider STP-400 has new and enhanced control software specifically designed for job queue manufacturing that requires multiple processing speeds. The new controls offer the flexibility of laser cutting product families with both complex and simple piece designs in the same production run, eliminating downtime and increasing production and revenue.

The software utilizes parameters for individual jobs to create a queue with a series of smaller jobs in the same production run. The job queue can be manually created based on sheet quantities or automatically with barcode registration. The Barcode registration also offers the ability to process variable printed sheets, ideal for personalization and quantities of one.

The robotic integration offers a manufacturing solution in which product can be sorted, shingled, or stacked onto multiple conveyors ready for the next finishing or pack out station. The system is configured for processing sheet sizes up to 20" wide and is available for either inline or offline digital finishing capabilities.

www.lasx.com

PostPress



Lasermax Roll Systems
Page Ready
(Inline Digital Finishing)

Booth 2606

Lasermax Roll's PageReady in-line page finishing system operates at full press speed in-line or near-line with the 13" x 19" sheetfed HP Indigo 7500 Digital Press and HP Indigo 7000 Digital Press. It fully automates the process of cutting, slitting, trimming, collating, and stacking, to convert multiple image press sheets into smaller professionally finished pages without the need for off-line guillotine cutters. Pages are stacked with offsets for easy job separations and delivered nonstop to a conveyor table. PageReady is also capable of continuously feeding pages to a subsequent finishing device (such as a booklet maker or binder.) It is an ideal finishing solution for the production of postcards, direct mail, brochures, photo books, greeting cards, calendars, and more. In addition, PageReady communicates directly with the HP Indigo Digital Press to ensure job integrity. Documents with missing or out-of-sequence pages are diverted and a reprint list is automatically generated.

www.lasermaxroll.com

Graph Expo 2010 Product Introduction

PostPress



MGI USA

Booth 3217

DF360

(Digital Finishing)

The DF360 5-in-1 digital paper finishing unit is MGI's next generation of multi-function digital finishing equipment designed to complement both digital and offset presses.

In-line, automated standard functions in one single pass include:

- Duplex lamination (options include matte, satin or glossy finish - multiple finishes,
i.e. matte on one side, satin on other – or no lamination)
- Cutting (horizontal & vertical)
- Slitting (automatic trimming to final document specs)
- Creasing (horizontal and vertical)
- Perforation

With the addition of a lamination function, the DF360 is the first offline unit to bring these common finishing techniques together, performed in just one single pass. It accommodates sheet widths up to 14" and lengths up to 29" and thicknesses up to 350gsm/130 lb cover/400 microns, ideal for applications such as book covers, brochures (including tri & quad-folds), tickets, business cards, photo books/ photos, postcards, invitations (with tear-off response card), menus, folders and more.

The DF360 features MGI's exclusive air feed system and ultrasonic double feed detection sensor, found in other members of MGI's line of digital printing and finishing solutions, as well as a user-friendly interface that allows for the creation and easy retrieval of project templates (up to 999 presets).

www.mgiusa.com

Graph Expo 2010 Product Introduction

PostPress



Muller Martini Corp.
ASIR 3

Booth 637

ASIR 3 (Automatic Signature Image Recognition) is a proprietary technology from Muller Martini that ensures that correct signatures are loaded in the correct sequence, thus providing readers with correctly bound products (e.g., books, magazines, catalogs and brochures).

It reads barcodes as well as images and can also read them simultaneously within the same job. ASIR 3 works with industry standard Code 2 of 5 barcodes or Code 128B barcodes. The technology can also use ASIR Code, Muller Martini's proprietary barcode. ASIR Code is already part of most industry leading pre-press software packages.

ASIR 3 can be retrofitted on Muller Martini new and legacy equipment, as well as competitive saddle stitchers and perfect binders.

www.mullermartiniusa.com

2010 Product Introduction

PostPress



Muller Martini Corp.
Primera E110

Booth 637

The mid-range Primera E110 is Muller Martini's latest addition to the Primera saddle stitcher family based on the MMAP platform. It produces 11,000 copies per hour and offers the latest automation in its class with an ergonomic operating control that includes the intuitive Set-up Wizard. Feeders are quipped with local HMI control devices which ensure short operating paths and quick set-up.

The Primera E110 is two to three times faster in make ready than previous saddle stitcher models and can process a wide size range, including two-up and three-up production. Utilizing the fully automated AMRYS setup solution (Automatic Make Ready System), the stitching machine and three-knife trimmer are automatically set to the required size. In addition, the feeders are synchronized to the chain so that the saddle stitcher is set up and ready to produce a new job in the shortest possible time. The Primera also features the Smart Stitch control staple control function, which verifies not only the presence of the staple, but also its quality.

The addition of the Connex workflow system from Muller Martini helps ensure that the Primera E110 is seamlessly integrated into a digital workflow system.

www.mullermartiniusa.com

Graph Expo 2010 Product Introduction

PostPress



Standard Finishing Systems **Horizon CABS 6000 Perfect Binding System**

Booth 1244

The CABS 6000 Perfect Binding System includes the MG-600 Gatherer, SB-17 seventeen-clamp Perfect Binder, and HT-110 Three-knife Trimmer. This in-line system can produce up to 6,000 books/hour. Each component includes an icon-based 10.4" color touch screen for fast (10 minutes) automated setup, and includes memory for 200 jobs.

Up to six MG-600 Gatherers can be placed in-line for a total of 36 stations feeding up to 64-page signatures ranging from 5.83"x4.14" to 15.15"x 10.8". Other features include an in-line stacker for stand alone gathering, and advanced quality control features such as CCD cameras, thickness detector, and weight checker. The SB-17 Perfect Binder allows for changeover from EVA to PUR adhesive with interchangeable tanks and book thicknesses from .08" to 2". Other features include CCD cameras on the cover feeder, ability to load covers on-the-fly, two milling stations, automated in-line cover scoring, gauze feeding for hard cover book blocks, digital caliper that measures book size and thickness and transfers settings for automated setup, and a weight checking system.

The HT-110 Three-knife Trimmer will accept a lift size up to 3.9" and produces trimmed books from 5.71"x4.05" to 14.4"x11.81". The CABS 6000 is compatible with Horizon's pXnet bindery management system.

www.standardfinishing.com

Graph Exp 2010 Product Introduction

PostPress

Individual Products Worth-a-Look!



Böwe Bell + Howell

Booth 1244

JETVision 2010

(Mail Equipment Control)

We're all familiar with universal remote controls for multiple electronic devices at home. With one tool you can turn on a TV, DVD, CD player and manage any number of devices. With JETVision 2010, mailers get the same type of functionality. They can manage multiple vendor systems using one central control. JETVision 2010 consolidates multiple interfaces into a single control point, and supports inserting systems used for Standard class or First-Class mailings.

For example, a direct mail finishing system might have an inserter controller, an ink-jet printer controller, a stamp-applier controller, etc. Each independent system has its own user interface, reporting capabilities, etc. When an operator has to interact with multiple control systems, it's difficult and time-consuming for them to know what and where an issue has occurred when there is a machine stoppage. They may spend valuable time walking up and down the length of the finishing system in order to view each component to diagnose the problem.

www.bowebellholwell.com

Graph Expo 2010 Product Introduction

Individual Product



GMG Americas

Booth 644

'Press proofs' with GMG ColorProof, GMG FlexoProof, And the Roland VersaUV LEC 33

(Proofing – Offset, Flexo)

For the first time, with the help of GMG ColorProof or GMG FlexoProof, printers can create color-accurate proofs directly on the substrate they will be printed on. For commercial printers, almost true 'press proofs' can be printed on the final stock, useful for particularly fine, high end uncoated papers. For converters, color accurate prototypes with exact screening and simulated misregistration can be built on the correct substrate.

GMG has created a direct driver for the Roland VersaUV LEC-330, an inkjet printer that prints on virtually any substrate with two extra units (varnishes, or white). Thus, GMG ColorProof or GMG FlexoProof can print directly to the printer rather than sending a file to the printer's RIP. GMG ColorProof provides an exceptionally accurate way of calibrating digital inkjet proofing engines to produce digital contract color proofs precisely matched to the printing process. For packaging, GMG FlexoProof is specifically designed for digital proofing of flexographic jobs. FlexoProof includes GMG SpotColor editor, unlimited spot color databases, and multiple Pantone® Libraries. FlexoProof and DotProof® generate contract-quality halftone proofs from the same one-bit data used by film or platesetter RIPs. These features allow highly accurate proofing of jobs as they will appear under actual printing conditions.

www.gmgcolor.com

Individual Product



Nominees

All of the products being exhibited at this year's show were eligible for Must See 'ems recognition consideration. Exhibitors submitted information and the Selection Committee surveyed the more than 2,000 products to be exhibited at Graph Expo 2010 to nominate 115 products for detailed evaluation. While all nominated products had interesting characteristics and merit for printer consideration, not all achieved Must See 'ems or Worth-a-Look status. Forty-nine printer-useful products that were nominated but did not receive recognition awards were the following:

<u>Company – Product – Description</u>	<u>Booth #</u>
Agfa - Apogee G2 Inks – Wide Format Ink	Booth 844
Agfa – Arkitex 7 – Newspaper Workflow	Booth 844
Agfa – Aritex Portal – Newspaper Workflow	Booth 844
Agfa – Jeti 3324 – UV Wide Format	Booth 844
Agfa – N92-VCF – Printing Plate	Booth 844
Avanti – Best Press Wizard – MIS Software	Booth 1061
Bitstream/Pageflex – Storefront – Software, Document	Booth 451
Bowe Bell + Howell – Inveloper – Mail Finishing	Booth 3612
Canon – imagePrograf iPF8300 – Wide Format	Booth 2027
Canon – imagePrograf iPF6350	Booth 2027
EFI – Fiery Vue – Workflow	Booth 2000
EFI – Fiery 9R2 – Digital Print Server	Booth 2000
EFI - Fiery Color Profiler Suite – Color Profiler	Booth 2000
EFI – MicroPress – Production Workflow	Booth 2000
EFI – Pace _ DSF – MIS/Workflow	Booth 2000
EFI – Print Me – Mobile Printing	Booth 2000

<u>Company – Product – Description</u>	<u>Booth #</u>
EFI – Radius – MIS/ERP	Booth 2000
EFI – Vutek GS5000r – Superwide	Booth 2000
Estimator – version 10.8885 – Estimating/Workflow	Booth 2000
EskoArtwork – Color Engine – Color Management	Booth 217
Flexo Concepts – TruPoint – Flexo Washup	Booth 3947
Fujifilm – Taskero – Color Control	Booth 1469
Grow Socially – Social Media Package – Social Media	Booth 1773
Hybrid Integration – Go Digital – Estimating	Booth 122
Hybrid Integration – Go Ticket – Job Ticketing	Booth 122
Kodak – Intelligent Prepress Manager – CtP Software	Booth 1227
Kodak – Market Mover – Business Solutions	Booth 1227
Kodak – Nexpress Digital Color with Genius – Digital Press	Booth 1227
Lake Image Systems– Discovery Suite – Software	Booth 4703
Masthead – Newspaper Folder – Stitcher	Booth 1572
Mitsubishi Imaging – Grace Photo Paper – Inkjet Photo Paper	Booth 224
Muller Martini – Performance + - Stitching Wire	Booth 637
Muller Martini – Training Program – Training	Booth 637
Nela – OPRC Control – Register Control	Booth 234
Presstek – Aurora Pro – CtP Plate	Booth 2600
Presstek – 52DI – DI Press	Booth 2600
Printer Presence by Firespring – Social Media Services –	Booth 4459
Printing Research – Super Blue – Anti-Marking	Booth 1661
Prism – QTMS – Copycounter	Booth 4018
Ricoh – ProC901 – Digital Press	Booth 2017
Rizo – MZ1090 – Digital Duplicator	Booth 3111
Spiral JB – Snake Skin – Wire-O-Binding	Booth 2555
Techkon – SpectroJet – Color Measuring	Booth 753
WitPrint – WebCloud – Web-to-Print Software	Booth 238
Virtual Systems – Digi-Shop – MIS	Booth 459
Virtual Systems – Midnight – Marketing Services Software	Booth 459
Xanté – iQueue – Color Workflow	Booth 201
Xerox – Wide Format 6605 – Wide Format	Booth 600
xpedx – With EFI PrintSmith – Paper Procurement	Booth 3200

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