

Genius 52 prints in four or five colors with UV curing inks that rapidly and completely harden through an efficient integrated drying system, thus allowing further processing such as laminating or punching with no waiting period.

The press will be shown with a raised kit, enabling increased pile heights. Demonstrations will include a variety of substrates, including paper, board and plastic as well as lenticular applications.

An inline alphaJet C continuous inkjet system will showcase personalization possibilities for single sheet marking with variable imprints, such as letters, numbers and barcodes.

Genius offers a smart start for VDP

The Mallard Press, Lombard, IL installed the Genius UV press in December 2005. "Over the past 10 years, we've seen demand in the market shifting more and more into short-run, quick-turnaround process color work," says Bob Gay, Mallard's president. "We have been very aggressive with investing into the latest technology that can deliver short-run, high-quality results. After analyzing the equipment and costs involved, we jumped at the chance to purchase and install a KBA Genius 52UV."

Anilox inking units eliminate ghosting

A satellite cylinder arrangement with a central impression cylinder gives the Genius 52 UV its small footprint and distinctive appearance. The design of the anilox inking units on the Genius 52 UV effectively eliminates the ghosting effects typical of a classic offset process. The combination of an anilox inking system, waterless process and the revolutionary, self-calibrating inking unit with keyless ink metering ensures a predictably fast production start in high quality and with minimum initial waste.

The Genius 52 UV is the world's first waterless UV sheetfed offset press. The maximum sheet size is 14 $\frac{3}{16}$ x 20 $\frac{1}{2}$ inches, and it can operate at 8,000 sph. The press has the world's widest stock range in this format: from 60 lb. to 32 pt. KBA credits its waterless technology for exceptional makeready times and print quality.

First ever Presstek-branded DI press

Presstek (booth 3822) hosted a pre-Graph Expo media event at its Hudson, NH, headquarters to showcase its DI presses and chemistry-free platemaking systems. Presstek stressed it has transitioned from a company known primarily for furnishing its technology to other vendors to a complete solution provider selling directly to end users.

Graph Expo marks the debut of the first ever Presstek-branded DI press, the Presstek 52DI. The landscape-oriented press (20.47 x 14.76 inches) targets print runs of 250 to 10,000.

"The demand for high-quality, short-run color is no longer an emerging trend, but a daily reality



The Presstek 52DI

for today's print service providers," says Ed Marino, Presstek's president and CEO. "We are excited to demonstrate how our range of digital solutions addresses that growth opportunity."

The 52DI can print 300 lpi at speeds up to 10,000 sph on a wide range of substrates. Makeready takes about 10 minutes—this includes plate imaging and coming up to color within about 20 sheets. All four colors are laid down onto the sheet without any sheet transfer between colors.

Presstek also will highlight the DirectPress 5634DI.

Chemistry-free plates and platesetters

The Dimension425 Excel four-page platemaker has semi-automatic plate loading/unloading, produces up to 11 plates per hour and offers a larger image size than previous models. The compact platesetter is optimized for use with Presstek's chemistry-free Anthem Pro plate.

Vector TX52 is a metal platemaker targeting small-format printers. A Freedom anodized aluminum plate is inserted at the front of the thermal platesetter, then imaged and water-rinsed inside the device before being discharged as press-ready. Rated for up to 25,000 impressions, Freedom is priced to compete with poly plates.

Aurora chemistry-free anodized aluminum plates can be used with non-Presstek thermal platesetters. The daylight-safe plate enables up to 200 lpi printing and stochastic screening, and it supports run lengths up to 50,000.

Putting it all together

Developed in collaboration with EFI, Presstek's Facet RIP has been qualified for operation with all Presstek- and ABDick-branded digital output devices. Facet also connects to most Fiery-driven devices and inkjet proofers, as well as a wide range of color and black-and-white production devices.

The Harlequin-based Momentum RIP is compatible with PostScript Level 3 and PDF 1.5 specifications, and it supports applications that generate PDF and PDF/X files. Based on Harlequin's most current RIP release, Momentum RIP 7.0 supports Presstek's DPM, Vector and Dimension Series CTP solutions as well as Presstek-enabled DI presses.

See www.presstek.com.

Third-generation DI press for fourth-generation printer

Fourth-generation printer Grover Daniels, CEO of Boston's Copy Cop, installed a DirectPress 5534DI as the centerpiece of a production facility that supports eight retail locations. Although Daniels initially focused on toner-based production printing, customer demand for higher quality and faster turnaround convinced him to add a DI.

"We concluded that adding a DI press to the mix would put us in an entirely different category, and it has," says Daniels. "The [press] is incredible. I am up to 7,000 impressions per hour with sellable sheets almost as soon as I start printing."

Presses working in the real world

MAN Roland's booth (3237) will feature a VIP lounge where visitors can view live production from a customer site running Roland 700s and Rotoman presses. The vendor also is hosting tours of area customers, including Victor Envelope Manufacturing Co. (Bensenville, IL), a Roland 500 customer; Darwill (Hillside, IL) which boasts three networked Roland 700s; Accord Carton (Alsip, IL), a Roland 900 user; and the Daily Herald (Arlington Heights, IL), a Regioman newspaper installation.

Six-up perfecter premieres

MAN Roland's 29-inch press line, the Roland 500 with InlinePerfector, will make its North American trade show debut. The press is the only one in its class with a single-drum sheet turning system combined with double-diameter cylinders, enabling it to run up to 24 pt. in perfecting mode. The advancement also produces perfecting speeds as fast as 15,000 sph. In straight mode, the press can handle substrates up to 40 pt. thick at 18,000 sph.

Accelerating web performance

QuickStart is advanced software MAN Roland web press users can access to enhance the performance of their presses' PECOM operating and automation system. Its advantages will be presented as part of the Commercial Web Seminar: "Maximizing the potential of your MAN Roland press."

Key topics will include reducing waste, PECOM presetting and reporting functions, achieving faster makereadies, the importance of on-press procedures and processes, QuickStart, and finding time for press maintenance.

See www.manroland.com.

Bringing offset and digital together

Kodak Graphic Communications Group (GCG) (booth 400) is concentrating on

efficiently combining digital and offset processes ("blended production") via its Unified Workflow Solutions. The company's products are used from creation to output and include software, equipment and consumables by a wide range of users: commercial printers, digital service providers, packaging printers, newspapers, in-plant printers, data centers and creatives.

The goal is to help printers unify diverse systems and processes, to optimize their overall efficiency. The solutions are built on existing products, with new capabilities constantly being added. Kodak says its advantage is its experience with conventional and digital printing.

Consistent color

Building on its color science heritage, Kodak GCG announced ColorFlow, technology to help customers communicate, control and confirm color from job creation to output. Doug Goertzen, GCG color director, says ColorFlow minimizes the effort required to get products to work well together while reducing operator confusion. A certified process ensures the correct steps have been performed in the correct order with the correct data.

Barry Quart, vice president of marketing, U.S. & Canada GCG, said Kodak's Graph Expo booth will feature three key innovation areas: commercial print (Unified Workflow, ColorFlow and PhotoRealistic Print); packaging (spotless printing, flexo screening, hybrid flexo/offset platesetter); and transaction & statement printers, demonstrating full color personalization on statements ("transpromo").

Equipment on hand will include the Versamark VT3000 and NexPress 2500. New products include Thermal Direct no-process plates and Violet Print plates.

See www.graphics.kodak.com.

Kodak will host a series of Unified Workflow podcasts. See <http://graphics.kodak.com/go/podcasts>.

