



# NEW PRODUCTS REFERENCE GUIDE

POWERED BY:



# TABLE OF CONTENTS

<b>3</b> Welcome	<b>20</b> Mailing & Fulfillment Products
<b>4</b> Apparel Products	<b>21</b> Packaging Products
<b>8</b> Commercial Products	<b>25</b> Wide-Format Products
<b>17</b> Digital Textile Products	<b>31</b> Workflow & Software Products
<b>18</b> Industrial Products	



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# WELCOME

Welcome to this special publication featuring the products released throughout 2020 and what you can expect to see in 2021 and beyond.

**While the days and months of 2020** were nothing like we've experienced before, suppliers and manufacturers in the printing industry continued to innovate — much like print service providers — looking to help their customers and the industry weather what had to be one of the biggest storms in recent memory.

This special publication provides readers with a reference guide to the products released throughout 2020 and into the early days of 2021, giving print service providers a much-needed reference as they position themselves now for the recovery — and growth — to come.

During these challenging times, print providers have to make sure they continue to remain profitable, so as the industry emerges from the pandemic-based recession, they have the resources to reinvest in their businesses and continue to grow.

Of course, there are many ways to invest in a business. Print owners have always looked at the smart and strategic acquisition of capital equipment as a big way to invest — or reinvest — in their business. Even during the pandemic, print providers continued to make carefully measured purchases designed to augment their business and prepare them for the growth economists say is to come.

This guide features products from all segments of the printing industry:

- Apparel Decoration
- Commercial Print
- Digital Textile Production
- Industrial Print
- Mailing & Fulfilment
- Package Printing
- Wide-Format / Sign & Graphics
- Workflow & Software

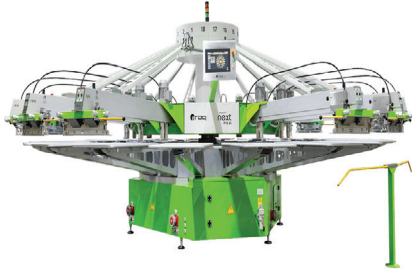
We hope the information within the pages of this guide will help serve as a valuable resource as you plan the next steps for your business, and determine where — and how — to expand and grow. 🌈



## APPAREL PRODUCTS

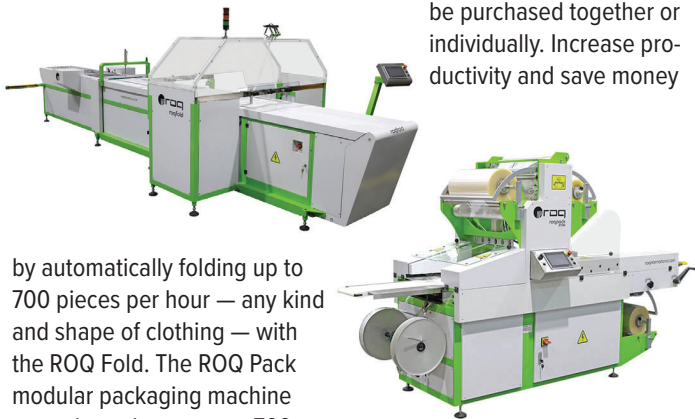
### ROQ NEXT

By helping shops setup, print, change over, and digitally future-proof their businesses, the ROQ NEXT automatic screen printing press' chain-drive system enables go-to pallet features for simple setup, print-from-screen functionality for quick strike offs, and faster indexing for cycles up to 1,200 pieces per hour, and future digital expansion.



### ROQ Automation

The ROQ Automated Packaging & Labeling Modular System is a comprehensive automated pre-shipment solutions suite that may be purchased together or individually. Increase productivity and save money



by automatically folding up to 700 pieces per hour — any kind and shape of clothing — with the ROQ Fold. The ROQ Pack modular packaging machine expertly packages up to 700 products. And the ROQ Size Label Applicator automatically applies pre-printed size tag strips to garments.

Complete the solution with the ROQ Barcode Label Printer to work with Web-to-print systems or create customizable shipping labels with machine-readable instructions to ship finished products out the door with dependable accuracy in every fulfilled order.

### Hanes Beefy-T

For more than 35 years, Hanes' Beefy-T T-shirt has set the standard for T-shirt comfort and quality. Today it's better than ever, offering even greater durability and fit.

The Beefy-T is a 6-oz., 100% ring spun cotton tee. It features shoulder-to-shoulder taping, as well as double-needle stitched lay-flat collars, sleeves, and bottom hem.



### Hanes Nano-T

The Nano-T from Hanes is a 4.5-oz., 100% ring-spun tee. The Light Steel color pictured is 90% cotton 10% polyester. It is made with 100% U.S. grown cotton. The Nano-T is a more modern option, with a lighter-weight material and contemporary styling for a slimmer fit, with side seams that flatter your silhouette. It features a double-needle sleeve and bottom hems to provide a longer garment life.



### Nazdar SourceOne M&R Automatic Screen Press

The M&R COBRA is sleek, quiet, and super-fast. The COBRA series of automatic screen presses set the standard in combining quality components, durable craftsmanship, and high-speed production in one machine.



### Nazdar SourceOne M&R Global Copperhead Pro Max Textile Screen Press

M&R Global's Copperhead automatic screen printing presses



combine quality components, leading class craftsmanship, and high speed production at a competitive price. Lightweight honeycomb pallets with soft-top rubber pads avoid excess overheating after flashing, which is one of the key features for printers using water-based and discharge inks.

### Nazdar SourceOne M&R DS-4000 Digital Squeegee Hybrid Printing System

M&R's DS-4000 Digital Squeegee is setting the standard for hybrid printing. At production rates of 400-plus prints per hour, the DS-4000 bridges the gap between direct-to-garment (DTG) printing and screen printing. Since the Digital Squeegee





prints on top of a screen-printed underbase, a wide array of fabrics — including synthetic and performance blends — can be printed digitally, opening the door to new market trends and cost-effective, high-end digital textile imaging.

## Nazdar SourceOne M&R Global Copperhead Pro Mini Textile Screen Press

M&R's Copperhead Pro MINI is a versatile, all-electric automatic screen printing press. The Pro MINI is designed to use minimal power to operate, doesn't need an external compressor, and is a simple, low-maintenance machine. It can produce 10-10,000 prints on items such as T-shirt neck tags, masks, HD logos and labels, pockets, sleeves, socks, bandanas, gloves, jean pockets, vests, underwear, innerwear, caps, transfers, and more.



## Nazdar SourceOne M&R Maverick Industrial High-Speed DTG Printing System

The Maverick exemplifies M&R's commitment to future technologies in the garment decoration process. With fast print speeds, expanded



color gamut, and rugged construction, the Maverick has a dual-shuttling platform that allows independent pallet shuttling based on the operator's needs, the Maverick can print images one-off or as multiple copies.

## EXILE Technologies Spyder III Computer-to-Screen System

The Spyder III brings considerable benefits to print shops that currently produce 25 screens or more per day. The Spyder's industrial build quality and its absolute accuracy has helped to make it a leader in the industry. With this unmatched imaging system, print jobs are generated with greater efficiency and twice the resolution of any inkjet printer on the market, all while delivering the traditional benefits of a CTS system.



## ROQ Fit

It Fits next to your bigger auto at index speeds of up to 1,100 pieces per hour. It prints so fast that it keeps up with the sleeves, tags, and simple prints you don't want your main press to do. It Fits your budget, and while it's designed for smaller spaces, there's nothing modest about its speed and efficiency. Whether you're a manual printer looking to step into automation, or a larger shop that needs additional capacity, the FIT is the perfect fit.



## ROQ Next

With a dual-chain drive system, the ROQ Next enables go-to pallet features for simple setup, print-from-screen functionality for quick strike offs, and faster indexing for cycles up to 1,200 pieces per hour. With reinforced Honeycomb Aluminum Platens, laser guides for dependable precision, Duro and Winged Flood Bars, the ROQ Next

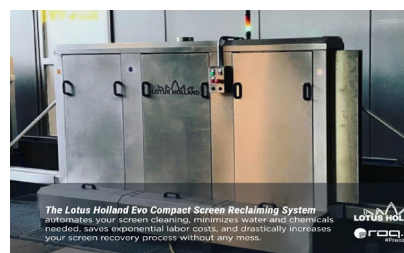


So whatever shows up Next, you can rest assured knowing you'll be ready.

unifies the best of the ROQ ECO and ROQ YOU automatic presses, and is backed by the best warranty of the industry — three years parts, labor, and travel.

## ROQ US Lotus Holland

With a Lotus Holland EVO Compact Auto Screen Reclaim System, your screens are automatically and completely cleaned for reuse again and again. Ink removal, stripping, degreasing, rinsing, and drying are all performed and contained within the machine to prevent your shop and employees from being exposed to chemicals and water. Within a few minutes, the screens are ready to be coated again.



## Nazdar 2800 Series UV-LED Screen Ink

The 2800 Series UV-LED Decal Screen Ink is intended for decals used in the Durable Graphic Market. 2800 Series exhibits excellent chemical resistance and exterior durability, and will thermal diecut and accept pre-mask. The use of LED curing systems rather than traditional mercury vapor curing units reduces energy costs, reduces heat within the curing process, and provides significantly longer lamp life.



## APPAREL PRODUCTS

### OmniPrint FreeJet 330TX Plus

The FreeJet 330TX series from OmniPrint International has low production costs, easy maintenance, and stunning print quality on a wide variety of garments and mediums. It showcases resolutions up to 2,880 dpi on a wide range of dark/light garments, including 100% polyester and blends. The bulk ink delivery system eliminates cartridges and allows for ink refills on-demand, resulting in the lowest production costs in the industry, and empowering the user with better profit margins. It also features an interchangeable platen system that, in addition to traditional garment prints, empowers the user to print on hats, shoes, sleeves, chest pockets, and more.



### OmniPrint Cheetah DTG Printers

The Cheetah Industrial DTG printer from OmniPrint International was designed from the ground up for high-volume and high-quality



direct-to-garment printing. It prints at up to 2,400 dpi and showcases one-pass printing technology. Its print engine has been engineered to work together in printing both a white underbase and a color/highlight layer

simultaneously without the need for a second print pass. Print times on the Cheetah are 30 seconds on average for a dark garment print, and under 10 seconds on average for a white/light garment print. The Cheetah's design features dual independent platen technology to maximize productivity. The dual independent platens allow the printer to keep printing a garment while an operator is loading and unloading the other. It comes standard with Wurk, a workflow suite for print shop management; and Color iOS, a RIP technology designed to increase efficiency and save money.

### Epson SureColor F3070 DTG Printer

Users can achieve high productivity without sacrificing quality, with automatic garment thickness optimization to ensure high quality without user intervention with the Epson SureColor F3070 direct-to-garment (DTG) printer. It features industrial-level reliability for years of consistent performance, with minimal maintenance required for less downtime.



Designed for mid-to-large size garment printers looking for a high-production, cost-effective equipment, the SureColor F3070 can produce a full-size shirt in about a minute. It is ideal for digitally printing custom garments on a variety of fabric types including cotton, linen, and rayon. The printer leverages a new dual 2.6" Precision-Core printhead for high-quality output at production speeds with true one-pass printing for both color and white ink. Coupled with the first bulk ink system integrated into an Epson DTG printer, it is capable of housing 1.5 liters per color, and 3.0 liters of white ink for less frequent refilling, lower operating costs, and less waste.

### Ricoh DTG Ri 2000

The dual-carriage Ri 2000 direct-to-garment (DTG) solution from Ricoh DTG — the direct-to-garment printing division of Ricoh Printing Systems America — delivers ultra-fast print speeds of under 10 seconds for a full-color, 10x8" CMYK graphic. The Ri 2000 is



capable of producing full-color graphics at up to 1,200x1,200 dpi, and is designed to print on a full range of garments, as well as face masks, art canvas, and promotional products, like wooden plaques, glass coasters, and mouse pads. To

streamline operation and save users time, the Ri 2000 integrates automatic table height adjustment and quick-change magnetic platens in sizes up to 16x19.6". These platens easily snap on and off the machine, so switching between different garment styles and sizes requires practically no downtime.

### Kornit's Atlas System

The Kornit Atlas is a heavy-duty system created for super-industrial garment decoration businesses. It was designed to deliver a typical annual production capacity of up to 350,000 impressions, optimizing production efficiency and cost of ownership. The Kornit Atlas is aimed at highly productive garment decorators, and mid- to large-size screen printers. The system is equipped with new recirculating print-heads and comes with a newly developed ink, NeoPigment Eco-Rapid. The Atlas printing engine features an enhanced version of Kornit's HD technology, complemented by a professional RIP software solution, and produces prints that meet the highest standards of retail quality and durability.





NeoPigment Eco-Rapid ink is a main driver of the Atlas' retail quality prints. It provides a white ink opacity matched to those of conventional screen inks, and meets the highest durability standards on multiple fabric types. Its increased color gamut and saturation allow for deep full tones and precise spot color matching. The ink has been developed with sustainability in mind, carrying the Oeko-Tex Eco-Passport certification, and is GOTS pre-approved.

## Brother's GTXpro Series

Brother recently launched its fifth generation of DTG printers: the GTXpro Series. With options for both the small- to mid-size market, and high volume print shops, the GTXpro Series has faster print speeds, a lower running cost, and has simplified the process for operators. GTXpro replaces the bulk ink system with smaller pouches, making it ideal for small to medium shops doing less than 1,500 prints a month.

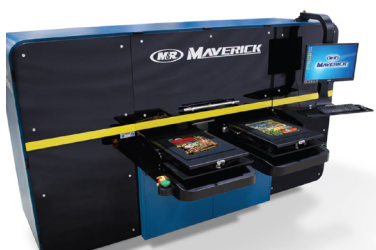


This model offers the ability to produce prints at speeds of up to 40 dark garments and 55 light garments per hour using

the high speed print mode on an 11x11" design. Ink is supplied via replaceable ink pouches. The pouches come in three sizes: 350cc, 500cc, and 700cc. Its large printing area — 16x21" — and specialty platens allow shops to expand their substrates and markets with the ability to print over seams and across zippers

## Nazdar SourceOne M&R Maverick Industrial High-Speed DTG Printing System

The Maverick exemplifies M&R's commitment to future technologies in the garment decoration process. With an emphasis on print quality and speed, M&R set out to build a leading-class, industrial-grade DTG printer. With fast print speeds, expanded color gamut, and rugged construction, the Maverick has a dual-shuttling platform that allows independent pallet shuttling based on the operator's needs, the Maverick can print images one-off or as multiple copies.



## TVF Heavy Stealth

TVF's made-in-the-U.S. Heavy Stealth is a premium interlock shirt fabric with an engineered two-way stretch. It features a comfortable weight and fit, a UPF 50 rating, as well as Advanced Moisture Management. This fabric is available with a premium EPA & Blue Sign approved antimicrobial finish to help eliminate bacteria that causes body odor, stains,

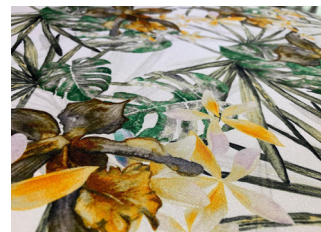


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and fabric degradation. Heavy Stealth is an excellent product for activewear, athleisure applications, and face coverings.

## TVF REPREVE T-Shirt Jersey

TVF's REPREVE T-Shirt Jersey fabric is ideal for manufacturing athletic jerseys, T-shirts, and other related applications where a quality, lightweight, comfortable fabric is needed — now with the bonus of using recycled polyester. This recycled material offers excellent UV protection, and has a wicking finish for performance aiding in comfort. The REPREVE polyester microfiber yarn used in this fabric construction has a light-weight, silky feel, and is ideal for a soft, comfortable active apparel.



## Roland DG VersaUV LEF2-300D Flatbed UV Printer

The Roland DG VersaUV LEF2-300D printer's expanded workspace supports a height of up to 7.87" — twice that of standard LEF2 models — enabling users to print text, full-color graphics, and unique textural effects directly onto an even broader range of objects. Like all Roland DG LEF2 series printers, the LEF2-300D employs UV-LED lamps to instantly cure ink, making it easy to customize or personalize a vast array of items, including smartphone cases, awards, giftware, leather goods, and more.



## Hanes Clean Canvas

Hanes' proprietary Clean Canvas process provides a highly consistent print platform for screen and direct-to-garment printing. By removing dirt, wax, and oil from the fabric, and by controlling absorption depth, Clean Canvas reduces variation and inconsistency in print quality to create the perfect print. It is available on Hanes Beefy-T and Nano-T. It minimizes pretreatment, saving time and materials. It also helps to reduce blur caused by inconsistent coverage, and reduce bleeding.



## Hirsch Solutions OvalJet

The OvalJet from Hirsch Solutions is a direct-to-garment (DTG) printer for the high volume industrial decorator. OvalJet's closed loop technology is the most advanced on the market for high-volume screenprinters, DTG decorators, and the print-on-demand market.



Its ability to print at impressive speeds with a single operator utilizing a single ink set on a variety of fabrics enables it to print more efficiently and cost effectively than any other offering in the industry.



## COMMERCIAL PRODUCTS

### HP PageWide Web Press T240 HD with In-Line H&B ExcelCoat Web Coater — Intertech Award Winner

HP partnered with Harris and Bruno to integrate a web coater with HP's 22"-wide inkjet web press. The coater can apply aqueous



or UV-cured coating on one or both sides of the web at full press speed. Operators can switch coatings quickly (under seven minutes for same coating type). Being able to coat in-line at press speeds, judges concluded, gives commercial and direct mail printers another reason to take advantage of inkjet press technology.

### Xerox Baltoro HF Inkjet Press — Intertech Award Winner

Baltoro was invented to make production inkjet widely accessible with a 14.33x20" format, smaller footprint, and less energy use than comparable presses, and it is affordable for more companies. It can produce up to 300 duplex letter images per minute with no need for a priming solution.

Automated color control makes it easy to operate, and

unique ink saving features helps keep running costs low. The frame and paper path are adapted from Xerox's flagship iGen press.



### Canon ProStream 1800 Continuous-Feed Inkjet

The newest model in Canon's ProStream 1000 series comes with increased speeds of up to 436 fpm, and boasts one of the highest resolutions and print quality of any digital printing press at that speed, making it the ideal solution for commercial printers who want to achieve ultimate performance.



### Color Concepts of North America ColorBase Exchange

ColorBase Exchange is a cloud-based platform that connects manufacturers to resellers of printing materials, and facilitates communication and transactions through a centralized marketplace. With streamlined data exchange, procurement, sales, customer acquisition, payments, and logistics, operating in the large-format print material industry has never been more straightforward, secure, and cost effective.



### Duplo DDC-810 Raised Spot UV Coater

Produce premium packaging, business cards, and marketing campaigns with the Duplo DDC-810 Raised Spot UV Coater.



Using digital technology and the output of your digital presses, users can drive profit through short-run and customized applications and see a rapid ROI.

### iJetColor Pro 1175P by Printware

The iJetColor Pro 1175P is a high-speed, industrial envelope press that incorporates HP's PageWide thermal inkjet technology. The HP FI-1000 printhead generates full-color images using pigment-based, durable ink that is fade, scratch, and water-resistant. It is a versatile solution for operations producing short-run, full-bleed variable data jobs.



### Kirk-Rudy FireJet 4C



Kirk-Rudy's FireJet 4C is a pigment-based aqueous inkjet printing system engineered to deliver increased speed and outstanding image quality at a low cost. Powered by Memjet, it is an all-in-one printing system that combines a heavy-duty

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transport that Kirk-Rudy is famous for, along with the printing quality, reliability, and simplicity that Memjet is known for.

## Konica Minolta AccurioJet KM-1e

The digital full color 29.5" sheetfed UV-LED inkjet press delivers outstanding print output much faster than with offset or aqueous inkjet.



Zero makeready is required, and no drying time is needed. Since the UV light curing technology dries ink instantly,

your images stay crisp and clean with superior color stability and consistency. Expanded print job applications, reduced downtime, and greater flexibility improve productivity, leading to diverse new projects and increased revenue streams.

## Muller Martini Corp Primera Pro

The all-new 14,000 cph Primera Pro is an advanced and highly efficient saddle-stitcher that can be used for small, medium, or large print runs. It features a revised operating concept, as well as a fully automated three-knife trimmer. It is engineered to be digital ready for future opportunities.



## Tecna Revolution 50 Series

Tecna's Revolution 50 series is a family of cut/stack modules designed for the latest generation of high-speed, high-resolution web-fed color inkjet presses. Systems run paper weights from 40 to 300 gsm, at speeds up to 750 fpm.

All modules run taut-web for reliable operation, and include features like IoT connectivity with remote monitoring for high uptime. Multiple stackers, as well as merger and plow-fold, are available.



## Tecna Splicer Roll 40

Building on Tecna's proven Zero Speed Splicer u40 unwinder, Tecna adds the Splicer r40 rewinder. Pairing the two splicers (as Splicer Roll 40) together around a high-speed web-fed inkjet press allows customers to absolutely maximize productivity. With the latest presses completing rolls as fast as 30 minutes, downtime due to roll



changes can approach 40% or more. With Roll 40, this drops to 0%, while eliminating the lengthy paper waste associated with press stoppage due to roll completion.

## Tecna Stack 1212

Tecna's Stack 1212 cut/stack system converts multi-up output from the emerging generation of B2+ color digital presses (as well as sheetfed offset presses)

into smaller, stacked finished pages without guillotine cutting. It



reduces manual print

handling, cutting, and stacking sheets in a single-pass automated process. The system features a smaller footprint than competition, and supports impositions up to 21-up and papers from 70 to 350 gsm, producing pages as small as 4x5".

## Duplo USA DC-618 Slitter/Cutter/Creaser

The fully automated DC-618 Slitter/Cutter/Creaser is Duplo's compact, yet powerful, precision finisher. With its ability to slit/cut/crease and



perforate in a single pass, the DC-618 delivers professionally-finished applications up to 23 sheets per minute. Remove touchpoints and increase productivity. Finish digital print jobs in faster turnarounds. Perfect for all your short runs, the DC-618

produces a wide range of applications including 24-up business cards, greeting cards, tickets, and coupons."

## Rollem International InsigniaX3 Diecutter

Rollem's InsigniaX3 model is produced specifically to diecut through 0.030"/0.76mm thick materials. Its 24x24" sheet size adds to its feeding and layout versatility. Use InsigniaX3 to convert an



## COMMERCIAL PRODUCTS

extensive range of stocks, including paper and cardstock, PVC, PET, plastic, vinyl, adhesives, and even lightweight aluminum. It's ideal for digital printers offering customized products, such as folded cartons, craft boxes, beverage labels, retail hang tags, card carriers, and much more.

### Rollem International Game Card and Playing Card Specialty Converting Systems

The Rollem Revolution and Rollem Slipstream are automatic card converting systems designed to turn sheets of playing cards, game cards, or collector's cards into finished decks in one process. Users drastically increase productivity with the in-line two-directional cutting, collating, and full punch capability at processing speeds up to 40 packs per minute — all with just one operator. Sheet sizes are 28x40" and 29x30".



### Rollem International Jetstream Postcard and Business Card High Volume XY Rotary Slitter

Jetstream's XY Slitter is the preferred choice for higher volume professional converting of postcards, business cards, retail shelf tags, and photo books. It features speeds up to 5,000 sph with 100% cutting accuracy plus scoring and perforating. This fully automated system offers a new flexible stacker, auto-collator, barcode reader, or in-line folder/



gluer to maximize any type of product delivery. Streamline finishing with the 24" or 30" Jetstream XY Slitter.

### Rollem Insignia 'H' Model Diecutter

The H is Rollem's latest hybrid model sheetfed flexo-magnetic diecutter. Users will benefit from its ability to handle dual magnetic scoring using a male and female die with the added ability to use a single die configuration for kiss-cutting functions.



### Rollem Semi-Slitter for PSA Liner Slitting

The Semi-slitter is the top choice for applying back slits to PSA adhesive materials such as decals and labels. Depth of cut accuracy is consistently maintained with Rollem's patented partial slitting technology. It handles sheets of all widths up to 42", starting with an 18" model.



### Tamerica TCC-1400F+ Foil Fuser and 2-Sided Laminator

Don't be fooled by its size — Tamerica's TCC-1400F+ 14" laminator is a highly capable and trustworthy hybrid of a machine, combining its



ability to Foil Fuse media in colorful foil finishes and laminate it afterwards. With variable speed and temperature settings, and very efficient heating elements, laminating jobs up to 10 mil in thickness are a walk in the park.

### RISO VALEZUS T2100 Full Color, High-Speed Cut-Sheet Inkjet Printer

The RISO VALEZUS T2100 connects twin printer engines to achieve a blazing-fast double-sided printing speed of 320ppm. It offers a compact footprint for a production printer, as well as superior ease of use and maintenance. The VALEZUS T2100 is RISO's sixth generation of inkjet printers, offering fast, affordable, environmentally friendly cut-sheet inkjet output.



### SCREEN Truepress Jet520 Mono

SCREEN has finalized development of its new Truepress Jet520HD mono, the latest addition to its Truepress Jet520HD series of high-speed roll-fed inkjet presses. In response to customer demands to raise the efficiency of monochrome printing, the new system inherits





the cutting-edge technologies SCREEN GA has previously created for the Truepress Jet520HD series, and features high-precision output at resolutions of up to 1,200x1,200 dpi.

## Navigator Premium Inkjet

Navigator Premium Inkjet is the highest quality professional paper specially designed for high-speed inkjet printing equipment and applications. Developed with a special surface treatment, and benefiting from the unique properties of Eucalyptus globulus, it is set to guarantee outstanding performance in high-speed inkjet printing. The advanced technology behind this paper quality provides an exclusive absorption mechanism that enhances ink drying and adhesion.

## RMGT 9-Series Press

The latest addition to the RMGT 9 Series family is the 10-color RMGT 970 long perfecting press. The new press features one-touch ASAP (Automated Smart Assist Printing) technology that streamlines makeready, and it can accommodate a 25x38" press sheet for a full eight-up configuration, or four 12x18" sheets.

Within the ASAP system, once CCD scanners verify that all print quality control parameters have been met, the RMGT 970 flags the first OK'd sheet, and begins the production run at up to 16,000 sph. ASAP will then assist the RMGT pressman to ensure flawless print

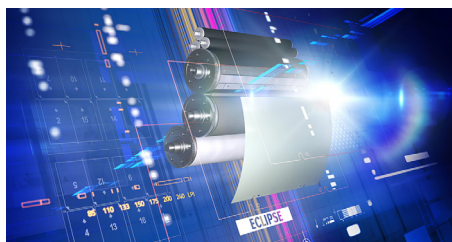


quality from start to finish by monitoring every sheet, and flagging any non-compliant sheets without stopping production. The result is a much higher press operating rate, lowered makeready time, and confirmed print quality control enabling profitable production of continuous short-run printing that requires frequent job changeovers.

## Agfa Eclipse Process-Free Digital Plates

Agfa's Eclipse process-free digital plates are the most advanced, innovative technology in process-free digital plates. Inherent to the nature of a process-free plate, Eclipse eliminates the need for a processor using chemicals. It thus reduces printers' capital expense as well as the energy, disposal, and maintenance costs in the prepress department, while also gaining them floor space.

Eclipse distinguishes itself from other process-free plates as this drop-in is just as easy



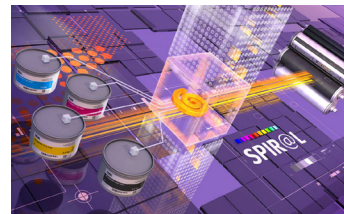
to use as a conventional offset plate, combining press purity with excellent and stable image contrast and high scratch resistance. Eclipse is the most convenient process-free plate on the market, eclipsing all others. And it is flexible too, as it can be used with either conventional or H-UV/UV-LED inks.

## Agfa SPIR@L

SPIR@L is Agfa's latest screening technology. Based on the fundamentals of Sublima screening, it lets users hold a 1-99% dot, guaranteeing vibrant colors and reducing image slur. What's more, it requires no expensive up-grades for your CTP or printing press.

SPIR@L is a crucial element of Agfa's ECO3 program: by enabling users to reduce ink consumption, the company puts its commitment to sustainable innovation into practice.

The aim is to make prepress and printing operations cleaner, more cost-effective, and easier to manage and maintain.



## Agfa Apogee v12

The release of Agfa's Apogee v12 marks another step in the automation of print production. The latest version of Agfa's print production hub introduces new impositioning and approval functionalities, and adds a brand new browser-based GUI for sales reps to control overprint production. Solid and efficient workflow

software, adapted to changing market requirements, is a high-value asset for printers. New functionalities in Agfa's Apogee v12 workflow solution deliver additional cost and time savings through increased automation, flexibility and quality. Additionally, enhanced



customer interaction options in the software will help retain existing print buyers or attract new business.

## Agfa InkTune and PressTune

Agfa InkTune and PressTune software is designed to reduce production costs. These intelligent tools are part of Agfa's ECO<sup>3</sup> offering, and give print houses complete control over all printing elements, from ink use to compliance with ISO, G7, and client-specific standards, while reducing production costs.

Building on gray component replacement (GCR) technology, InkTune dynamically substitutes CMY inks with black ink. InkTune uses Agfa technology such as Dynamic Ink Limit Control and Dynamic



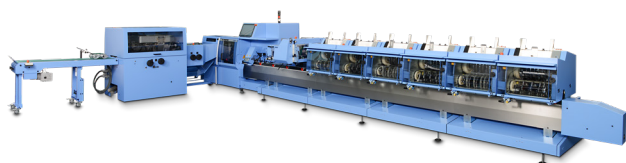
## COMMERCIAL PRODUCTS

Device Link Generation to maximize ink reduction up to 30%, while maintaining color fidelity. The reduction of ink not only has a positive cost savings impact, it also increases overall production efficiency as the drying time is reduced. Furthermore, quality levels increase as rosette structures disappear and color deviations become less visible.

As a print production tool, PressTune drives consistency, productivity, and the ability to print to exacting standards. As the required print quality standard is reached faster by means of dynamic ink density adjustment and a data-driven scoring mechanism incorporating dry-back compensation, makeready times are reduced by up to 40% — which in turn leads to less waste.

### Muller Martini Prinova Saddle Stitcher

Muller Martini's entry level Prinova is a 9,000 piece per hour saddle stitcher designed for PSPs that work with conventional printing methods, alongside digital equipment.



Muller Martini has redesigned the entire feeding station. It now has individual feeders with servo drives. The machine is capable of holding up to 14 individual tiltable feeders that can be operated easily by a single employee thanks to their loading height. As a result, it can be used for several applications, such as manual feeding or determining the optimal height for signatures. The saddle stitcher can therefore be changed over much faster and used to produce (ultra) short runs substantially more efficiently. Thus, the Prinova offers a clear efficiency advantage compared to other saddle stitchers in this performance class.

### Muller Martini Primera Pro Saddle Stitcher

The new Primera Pro saddle stitcher is a more advanced, efficient system that can produce up to 14,000 copies per hour, and is designed for more of a mid-volume operation. Some of the features include a streamfeeder to folder feeder, a flat pile feeder, a vertical pile feeder, a merchandise tipper, and a new three-knife trimmer with automatic thickness adjustment for quicker makereadies.



### GEW LeoLED Solution

GEW's LeoLED UV-LED curing has been redesigned and refined for simplicity, and offers excellent value while delivering maximum power and UV energy. The LeoLED cassette is fully compatible with GEW's ArcLED hybrid system, and brings UV-LED within affordable reach for all.

The 50mm width window gives a long dwell time, and is waterproof-sealed for easy cleaning. It is also resilient to dust and ink ingress.

The LED array delivers electrical power at 88W/cm, and an intensity of 25W/cm<sup>2</sup>, with minimal light loss due to the direct UV path.

All formats can be retrofitted to almost any press, and are available with a 5-year GEW system warranty.



### KODAK SONORA Xtra Process Free Plates

SONORA XTRA Process Free Plates are the next stage of the process free revolution. By enabling higher speed imaging, they support the high productivity of the newest KODAK platesetters, and provide better plate contrast.

The new plates are ideal for most printers, including large-scale "industrial" printing operations. Save money in prepress by eliminating the chemistry, water, and energy of processing, and get even bigger savings in the pressroom from the elimination of processing variability.



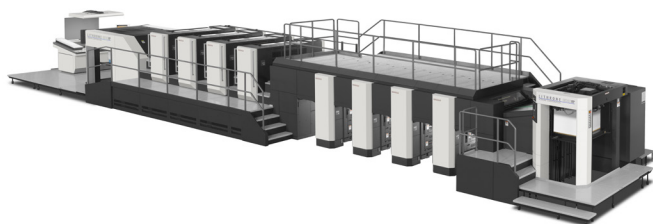
### Graphco Foliant Vega SF Series Distributed by Graphco

Foliant's new Vega SF Series, Vega 400SF and Vega 530SF, feed more sheets per lift, and run 20% faster with the same consistency. Foliant's stream feeder is known for in the industry. These machines are equipped with an integrated deep pile suction feeder, pneumatic hi-speed bump separator, adjustable dual decurl bar, and overlap system. The Vega SF Series laminators are suitable for both digital and offset printed sheets.



## Komori GLX40RP Double-Sided Press — Intertech Award Winner

Intertech judges were impressed not only with the idea of a “reverse printer,” but how Komori made it a sophisticated reality. The 29x41” GLX-40RP prints the bottom and the top of a sheet in a single pass without turning the sheet over. It handles thicker substrates better than a long perfecter, and saves paper since only one gripper margin is required. It can be configured in different ways, including with coaters in the middle.



## W+D 410i 1:1 Envelope Finishing Solution

The W+D 410 is already the world’s easiest envelope finishing machine for the direct mail market with its ability to convert litho preprint or print high quality flexo, and also emboss in-line high value direct mail envelopes and flat sheet mail folds with very little waste at speeds up to 30,000 eph. Now, added to the 410, the world’s first capability to convert and piece track high quality personalized digital print and turn them into powerful, 1:1 direct mail envelope packages.



## Soporset Opaque Offset

Soporset Premium Opaque Offset from the Navigator Company is a paper specially developed to provide printers with the best of both worlds: quality and value. Made of 100% Eucalyptus globulus fibers from Portugal, with 97 GE brightness and high opacity, Soporset guarantees vivid colors, superior image quality, and sharp contrast results. Soporset is available in basis weights from 40 to 101 lb text and 65- to 130-lb. cover.

## Konica Minolta AccurioPress C14000

Konica Minolta’s AccurioPress C14000 cut-sheet inkjet toner device prints 140 A4 ppm at a resolution equivalent to 3,600x2,400 dpi; can print on a range of media, from textured stocks to synthetics, and envelopes up to 450 gsm; is capable of banner printing, duplexing up to 35", and simplex capability of 51"; and has flexible in-line finishing with the new TU-510 four-side full-bleed trimmer.

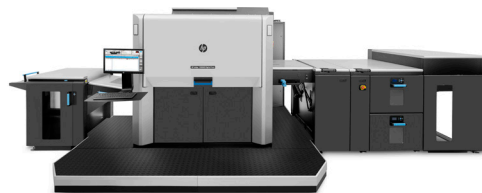


Other highlights of the press include:

- Advanced Automation with increased productivity
- Unparalleled quality, print after print
- Enhanced media options for output and automatic detection of substrates
- IQ-501 Intelligent Quality Optimizer-automatic density correction and front-to-back registration prior to printing
- Monitoring and adjustments on the fly

## HP Indigo 12000 HD Digital Press

The HP Indigo 12000 HD Digital Press is the next step in the evolution of HP’s Series 4 large-format press platform. The High Definition Imaging System for the B2-sized press doubles image resolution, delivering sharper, smoother, finer print, enabling print service providers to surpass offset quality and open new digital possibilities in high-end commercial and photo applications. The press uses 48 parallel laser beams and high screen sets up to 290 lpi. The HP Indigo 12000 is upgradeable to new features of the HP Indigo 15K.



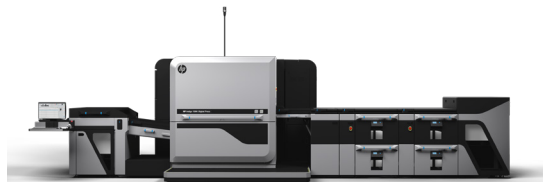
## HP Indigo 7900 Digital Press

The HP Indigo 7900 Digital Press continues to offer new innovations to help improve productivity, versatility, and quality to be empowered to print anything. New capabilities include: HP Indigo ElectroInk Silver, which in combination with standard process colors can generate a wide gamut of mid-to-high brilliance metallic colors, combining metallic effects with digital capabilities in one printing process; premium white ink offering the widest range of opacities in a single print process; and HP Indigo ElectroInk Invisible Yellow and Blue, only visible under a UV light, deliver high performance for high value unique applications, security, and process control applications.



## HP Indigo 100K Digital Press — Intertech Award Winner

The new B2-format HP Indigo 100K Digital Press for commercial print, the first press in the new Series 5 platform, is engineered for higher productivity to deliver more than one million B2 duplex sheets per month. Printing at 6,000 sph, the press is designed for offset players to adopt highly productive, on-demand printing with less waste.





## COMMERCIAL PRODUCTS

### HP Indigo 15K Digital Press

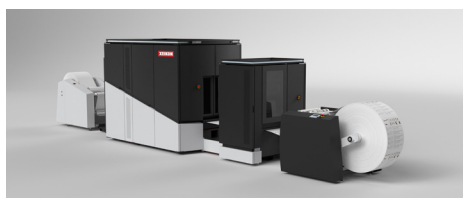
The B2 HP Indigo 15K digital press sets higher quality standards with new high definition modes and FM screens, support for thick substrates, and new inks, expanding the application possibilities of



the market-leading HP Indigo 10000 series. It brings wider range of substrates, now offering additional options with up to 600 microns (24 pt.). New inks include ElectroInks Premium White and Invisible Yellow, and new high definition FM stochastic screens support increased sharpness for halftone text. The HP Indigo 12000 is up-gradeable to new features of the HP Indigo 15K.

### Xeikon SX30000

The new Xeikon SX30000 is designed to be the cornerstone of a PSP's profitable business, delivering a series of unique benefits. It features variable print length, enabling high quality book content and covers — think art books, real estate documents, or photographer's samples; wall coverings that fit floor to ceiling; signage that stands out; finished sizes for direct mail/marketing pieces; and POS and POP. The Xeikon SX30000 is the fastest B2 press in the market, producing more than 2,500 B2 sheets 4/4 or 5/5 per hour.



### Duplo DDC-810

Utilizing inkjet technology, the DDC-810 applies a gloss varnish to defined areas of the substrate, giving images a raised effect with texture and depth. Its CCD camera recognition system ensures image-to-image registration, and its PC Controller software offers an easy-to-use operation. Designed for short run applications, the DDC-810 can process up to 21 spm (A3), and paper weights from 157 to 450 gsm (coated paper).



### Duplo DC-646

DC-646 is Duplo's versatile digital color finisher with the ability to create a multitude of full-bleed applications. Performing up to

eight slits, 25 cuts, and 20 creases in a single pass, the DC-646 eliminates white borders and prevents toner cracking on fold lines up to 30 spm, and also offers optional rotary

tool and cross perforating modules, both with strike-perforating capabilities for increased versatility. With the DC-646, users can create 24-up business cards on 12x18" or 36-up on 14x26" paper sizes, slit-score greeting cards, micro-perforated coupons, direct mailers with tear-away cards, and more.



### Duplo UD-310 Rotary Diecutter

The high-speed UD-310 Rotary Diecutter delivers packaging and print marketing applications in distinctive shapes and sizes. Processing up to 4,000 sph, the UD-310 utilizes a magnetic cylinder and

interchangeable flexible dies that affix to it to process paper, laminates, adhesives, and synthetic stocks up to 400



gsm. Suited for both long and shorter runs, the UD-310 is a highly productive and cost-efficient solution with minimal job setups and fast turnarounds.

### Graphic Whizard PT 335SCC Multi

With Graphic Whizard's PT 335SCC Multi, PSPs can save up to 70% in setup time and produce more profitable jobs with Fiery Driven print engines and the Graphic Whizard finisher. PSPs can also reduce labor to maximize efficiency, controlling costs and maximizing profits for loss leaders. Graphic Whizard also has more than 50 different finishing options from 12 different product lines, covering the new shop basics to the print+ profit enhancer options.



### Rollem InsigniaX<sup>3</sup> Diecutter

Rollem's InsigniaX<sup>3</sup> model was produced specifically to die-cut through 0.030" (0.76mm) thick materials. Its 24x24" sheet size adds to its feeding and layout versatility. Use InsigniaX<sup>3</sup> to



convert an extensive range of stocks, including paper and cardstock, PVC, PET, plastic, vinyl, adhesives, and even lightweight aluminum. It's ideal for digital printers offering customized products such as folded cartons, craft boxes, beverage labels, retail hang tags, card carriers, and more.

## Rollem Semi-Slitter for PSA Liner Slitting

The Semi-Slitter is the top choice for applying back slits to PSA adhesive materials such as decals and labels. Depth of cut accuracy is consistently maintained with Rollem's patented partial slitting technology. It handles sheets of all widths up to 42", starting with an 18" model.

## Konica Minolta AccurioPress C4080 Series

The AccurioPress C4080 Series continues to bring growth and expansion into new markets for customers through advanced automation and ease of use in one compact, affordable footprint. It provides a unique level of automation with the TU-510 Trimmer Unit and the IQ-501 Intelligent Quality Optimizer. The combination provides customers with increased uptime, productivity, and quality.



## Muller Martini Roll-Fed Ventura Digital

A revolution in digital book sewing, the Ventura MC Digital enables the faster production of short-run, high-quality, highly customized books, and features barcode-driven, touchless workflow that eliminates makereadies.



## Soporset Digital

Soporset Digital Performance from The Navigator Company was developed to provide a reliable and cost effective digital paper, available in a broad range of weights and sizes specially engineered to perform across a wide spectrum of a digital imaging machines.

- Made of 100% eucalyptus globulus fibers
- Superior performance
- Excellent printing quality
- 97 GE brightness (161 CIE whiteness)
- High opacity for minimal show-through

## Fujifilm J Press 750S

The third generation of the successful J Press product line — the J Press 750S — is the fastest full-color B2 production digital inkjet press on the market, offering press speeds of 3,600 sph, for both static and variable jobs, and featuring a larger sheet size of 23x29.5", along with quality that is better than offset.

The J Press also features an in-line, real-time scanning system that



makes automatic nozzle corrections on the fly, and requires zero intervention from the operator. ColorPath SYNC Brand Color Optimizer also allows users to quickly and

accurately predict the entire Pantone library in only one minute.

## Standard Horizon BQ-500 Perfect Binder

The Horizon BQ-500 Perfect Binder is designed for book-of-one productivity, increased automation, and increased quality control over a wider range of substrates compared to competitive models. The system features a 12.1" touchscreen for quick setup, an ergonomic design for operator-friendly production, and an enhanced delivery system for thin books. In a variable range of +/- 5mm, it can reach production speeds of up to 800 books per hour.



## C.P. Bourg Preparation Module

The C.P. Bourg Preparation Module (BPM) is designed for commercial and in-plant print production facilities. The BPM is a sheet converting system that allows print professionals to automatically divide large "parent" sized printed sheets into intermediate, form sized, or final sized sheets in-line at process speed between their printer/press and C.P. Bourg finisher.



## Duplo USA DC-618 Slitter/Cutter/Creaser

The fully automated DC-618 Slitter/Cutter/Creaser is Duplo's compact yet powerful, precision finisher. With its ability to slit/cut/crease and perforate in a single pass, the DC-618 delivers professionally-finished applications up to 23 sheets per minute.



## Canon varioPRINT iX-series

The varioPRINT iX-series digital press from Canon Solutions America utilizes iQuariusIX technologies. These technologies combine the image quality of offset with the productivity and cost efficiency

## COMMERCIAL PRODUCTS

of production inkjet to support customers with production volumes of one to 10 million letter images per month.

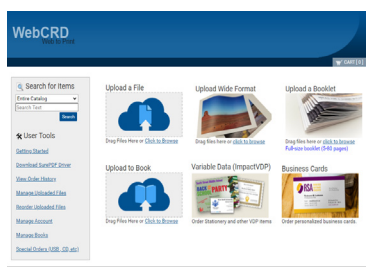
Offering an average 94% uptime and virtually eliminating the need for daily calibration and maintenance, the varioPRINT iX-series streamlines productivity, and helps to improve overall running costs. Customers can print up to 4,500 12x18" sheets per hour on a wide range of media, including offset coated paper from 90 to 350gsm with native 1,200 dpi processing. This allows customers



to produce high volumes of commercial print applications, from marketing collateral and premium direct mail, to catalogs, magazines, and books.

### RSA WebCRD Web-to-Print

The new release of WebCRD Web-to-print and production management software increases flexibility. It offers more robust variable data capabilities with ImpactVDP that supports new value-added services, and enhancements that automate production processes to streamline workflow. Security updates support the latest industry standards.



### Heidelberg USA Stahlfolder P-Stacker

The Stahlfolder P-Stacker is six-axis industrial robot that securely grips and autonomously places folded signature piles onto a pallet using sophisticated gripper technology. The P-Stacker is optimized to ensure zero marking as the signature piles are gripped and transferred to the pallet at a speed of up to 300 stacks per hour. With an intuitive interface,



the P-Stacker ensures high productivity and efficiency, and reduces the operator's workload, which allows the operator to focus on other tasks.

### BlueCrest EvoluJet Printing System

BlueCrest's EvoluJet Printing System is a printer targeted at the entry high-volume production segment. This high-quality, color, cut-sheet



inkjet printer is ideal for operations who use monochrome or color toner printing technology and can benefit from moving to high quality, more cost-effective inkjet. Additionally, for those operations that already use roll-fed

inkjet printing systems, it is a valuable production system for short-run print jobs or reprints.

### Duplo 150 Booklet System

Ideal for low to mid-volume runs, the 150 Booklet System offers an entry-level solution for print providers considering bringing their bookletmaking in-house. With a production speed of up to 2,400 booklets per hour, the 150 Booklet System performs saddle and corner/side stapling up to 25 sheets. Users can go from a letter-size job to a CD-size booklet within minutes and minimal tooling required.



### Duplo DP-X850 Digital Duplicator

Duplo's DP-X850 has improved performance and a fresh look.



Designed to handle long runs that certain sectors require, and at faster speeds the DP-X850 prints documents with 600 dpi up to 200 sheets per minute. The DP-X850 delivers with exceptional print quality, high productivity, and low maintenance.

### Duplo HC-550i Hydraulic Cutter

The programmable DocuCutter HC-550i Hydraulic Cutter comes with operational and safety features not found in similar cutters of this size, including a rail back gauge system, UL certification, and a 10" touchscreen control panel. It effortlessly cuts through large stacks of paper up to 21.6" wide, and finishes postcards, direct mail, and perfect bound books up to 3.5" in height. It also comes barcode-ready to instantly retrieve any pre-programmed job.





# DIGITAL TEXTILE PRODUCTS

## TVF REPREVE Polyester T-Shirt Jersey

TVF's REPREVE Polyester T-Shirt Jersey fabric is ideal for manufacturing athletic jerseys, T-shirts, and other related applications where a quality, lightweight, comfortable fabric is needed. This material offers excellent UV protection, and has a wicking finish for performance aiding in comfort. The micro fiber polyester yarn used has a lightweight, silky feel, and is ideal for a soft, comfortable active apparel. This fabric is great for dye sublimation printing. It was also the winner of the PRINTING United Alliance Product of the Year for the Media - Textile - Apparel category in 2020.



## TVF Colorado Light Poly Jersey

TVF's Colorado Light Polyester Jersey's cotton feel and look, combined with the advanced moisture management finish, make it the perfect cross-over and multi-use fabric. Colorado Light Polyester Jersey feels and looks like your favorite cotton T-shirt, but also possesses the qualities of the most cutting-edge performance fabrics with its advanced moisture management finish. It is made in the USA using responsibly-sourced, imported yarn. This 100% polyester fabric is available in optic white, and is compatible with dye sublimation printing. It is also available in TVF Antimicrobial Finish.



## TVF Jennifer Fabric

TVF's Jennifer is one of the finest compression cloths, possessing both optimal stretch and recovery. Created with Invista LYCRA, Jennifer is a technical, full-coverage fabric that features Advance Moisture Management and Wicking finishes. This versatile four-way stretch fabric is ideal for yoga pants, leggings, performance shorts, compression tops, and more. Jennifer is available in optic white, and is compatible with dye sublimation printing. It is also available in a sueded finish, as well as TVF Antimicrobial.



## Epson SureColor F10070

Epson's brand new SureColor F10070 dye-sublimation print system features four 4.7" PrecisionCore printheads, and a new hot-swappable ink system. The printer delivers continuous roll-to-roll performance

at production speeds up to 2,700 sqft/h.

Leveraging the UltraChrome DS ink technology, the SureColor

F10070 is the first Epson printer to feature a hot-swappable ink system that automatically switches from an empty ink pack to a new ink pack mid-print for uninterrupted printing. The system reduces overall ink cost by more than 50%, and allows for longer print runs without user intervention.



## EFI Reggiani BOLT – Intertech Award Winner

The judges believe this single-pass inkjet textile printer has the potential to revolutionize the world of printed fabrics. With speeds



up to 295 fpm, and a 72" print width, it significantly raises the crossover point between digital and analog processes. The impressive print quality and the option to include analog stations allow customers to address their

full range of design needs. It substantially reduces environmental impact compared to conventional textile printing processes.

## Klieverik VERTEX

The Klieverik VERTEX has been designed for the efficient production of single piece transfer printing, but is also capable of roll-to-roll printing. With sharp edge definition, a compact design, and its oil filled heating drum, this calender is ideal for the multi-purpose print shop aiming at high quality. The machine is optimized for ease of operation, and is suitable for all kind of PES textiles.



## TVF Tsunami Stretch Polyester

Tsunami Stretch Polyester is a dynamic new warp knit polyester fabric with very soft hand and excellent opacity, providing precise image sharpness and vibrant color. This product is wrinkle-resistant, with stable dimensional stretch. Applications for this



printable fabric include retail displays, trade show graphics, and tension structures such as arches, towers, and funnels. Its flame resistant Tsunami yields outstanding color and image sharpness with direct disperse and dye-sublimation inks.

## INDUSTRIAL PRODUCTS

### TVF Home Décor Fabrics

Top Value Fabrics' new collection of home décor fabrics ranges from silky chiffon to vegan leather, and is 100% polyester.

Modern Polyester has improved leaps and bounds and is now a higher-grade fiber. Technological advances have dramatically improved the feel, drape, and look of polyesters so it blends right in with more natural and expensive fabrics.

TVF chose base fabrics that deliver pattern clarity, depth, and a handcrafted appeal that also feels good to the touch. This collection of fabrics offers high quality results in dye sublimation, UV printing, and more.

Along with polyester, there is also a collection of natural fiber fabrics available.



### TVF Poly Linen

Poly Linen is a soft and durable 100% polyester fabric with a true linen look. Designed with low slubs, optimal for digital printing, this fabric innovates the digital home décor market. Poly Linen passes 65,000 cycles on the Wyzenbeek test, making it very durable. This medium weight, linen like fabric, is finished with a Stain and Soil Release, using C6 chemistry, which expands its versatility in the home décor environment. Poly Linen is available in optic white, and is compatible with dye-sublimation printing. The best applications for this fabric include table



cloths, draperies, upholstery, pillows, table linens, placemats, and shower curtains.

### TVF Glacier

Glacier is a luxurious heavyweight textile that breaks the traditional perception of polyester. This is our go-to fabric recommendation for all of your upholstery needs. Glacier passes 100,000 cycles on the Wyzenbeek test, making it extremely durable. Possessing flawless print resolution and color vibrancy, this upholstery weight textile is finished with a Stain and Soil Release, using C6 chemistry, which expands its versatility in the home décor environment. This 100% polyester fabric is designed for dye-sublimation printing.



Glacier is available in two colors — Ivory for vivid and bright hues, and Champagne for a warm and rich look. The best applications for this fabric include upholstery and pillows.

### HP Stitch S1000

The HP Stitch S1000 is a 126" dye-sublimation printer ideal for medium and large PSPs to boost production of textile applications in the soft signage market, including backlits, frontlits, and interior décor such as curtains, upholstery, and sofas.

It reaches reaching a maximum production speed up to 220 sqm/h, and backlit speed up to 130 sqm/h, and provides 1,200 native dpi.

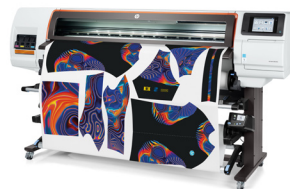


### HP Stitch S300

The 64" HP Stitch S300 holds the first user-replaceable printhead, resulting in reduced downtimes and service costs. It was designed specifically for new-to-dye sublimation professionals, prototyping departments, and growing print providers.

It features:

- The ability to manage color with HP SmartColor
- A complete end-to-end solution, from RIP to HP media
- The ability to print on both transfer paper and direct-to-fabric
- The first 100% front operating dye-sub printer.



### HP Stitch S500

The HP Stitch S500 enables predictable dye-sublimation color and less media waste for production environments. With symmetrical 2xCMYK printhead configuration and Optical Media Advance Sensor, this 64" printer allows for saturated and reliable one pass mode for true top speed. The HP Stitch S500 was designed specifically for high production sites.

Key HP Stitch S500 Printer features include:

- Streamlined production: Big ink supplies, larger rolls, and HP's Tension-Sensing Winder allow unattended operations — even overnight, complete with HP Services and cloud fleet management tools.
- Color you can rely on with HP SmartColor tools:





Confidently distribute jobs across your fleet with color consistency from printer to printer.

- Cost savings: Help avoid reprints and media waste with 1,200 native dpi printheads and HP Smart Nozzle Compensation system, saving up to 50% floor space with frontal media loading and a spindle-less system.

## Kornit Presto DTG System

Kornit's Presto direct-to-fabric system provides a complete on-demand solution for printing, softening, and drying textiles in a single step. It eliminates the need for pre- and post-treatment of fabric, and allows for high-quality printing on a broad range of fabric types and applications.



The Kornit Presto does not consume water in the printing process, making it the most environmentally-friendly solution available for direct-to-fabric textile printing today. The system uses NeoPigment Robusto, which

provides above-industry-standard wash and rub results, and exceptional color fastness.

The Kornit Presto solution suits a wide range of business and application needs in a variety of industry segments, including fast growing segments within the on-demand fashion and home décor markets. It is available in multiple configurations, and able to print 450 sqm/h.

## KNF Pumps Highlights

For more than 70 years, KNF Neuberger has provided pump solutions to meet demanding application challenges. KNF pumps are used in all areas of industrial printing, from printing equipment for large-format banners, to decorative printing on furniture and ceramics, as well as printing systems for barcodes and packaging labels.



Key applications include ink transfer and recirculation, meniscus control and printhead purging, and degassing. They offer engineer-to-engineer collaboration to tailor a pumping solution precisely to client printing equipment fluidic system requirements. With its latest innovations, KNF has addressed the need for smooth liquid flow, while retaining the considerable benefits of diaphragm pump technology.

## Mee Industries Mobile-Mee

The Mobile-Mee is a portable disinfecting fogger system used indoors or outdoors for spraying any water-based chemical solution. It's unique multi-nozzle spray head and more than 20-ft. spray distance allows one operator to do the work of 10 operators using other spray systems.

[printingunited.com](http://printingunited.com)

Mounted on a rolling cart with a five-gallon solution tank, the system can be easily maneuvered, and can be used with U.S. Environmental Protection Agency-approved solutions to disinfect.



**Mobile-Mee Industrial Quality High Volume Fog Sprayer**

Special Introductory Price

**\$5,650**

## Nazdar 2600 Series UV-LED Screen Ink

2600 Series UV-LED Graphic Screen Ink is formulated for point-



of-sale/point-of-purchase graphic applications on a wide range of substrates used for indoor and outdoor advertising. The use of LED curing systems rather than traditional mercury vapor curing units

reduces energy costs, reduces heat within the curing process, and provides significantly longer lamp life.

## Tekra Marnot Anti-Glare/AM Economy Polyester

Tekra's Marnot line now offers an economy polyester with antimicrobial properties to protect the film from bacterial growth. This anti-glare material has a matte finish; is abrasion, scratch, and chemical resistant; and is printable with up to four passes with UV curing. It is offered in 3, 5, and 7 mil gauges.



## Fisher Textiles Home Furnishing Fabrics

Fisher Textiles' new printable fabric line for home furnishing applications are ideal for interior and exterior home décor. These durable fabrics are long lasting, and suitable for soft textile applications including throw pillows, window treatments, table linens, upholstery, bedding linens, shower curtains, and bath towels; wall art including canvas gallery wraps and wallpaper; and floor décor including rugs and mats. All are either 100% Polyester or Poly blends, stocked in a variety of textures and weights.

Blankets-On-Demand, a subcategory of this fabric line, includes fully finished plush flannel and polar fleece blankets available in three sizes for sublimation printing. The finishing is a self-edge

folded/bordered edge with a twin needle coverseam. Finished sizes are 30x40", 50x60", and 60x80". Blankets-On-Demand are sold by the case, and are also available in unfinished roll good form ranging from 61" to 63" wide.





# MAILING & FULFILLMENT

## Tecna Revolution 50

Tecna's Revolution 50 series offers cut-and-stack finishing for the newest generation of high-speed continuous inkjet presses, with capability to produce mailing applications at speeds up to 600 fpm, and compatibility with coated papers. The complete Revolution 50 series is constructed to



withstand heavy-duty cycles for continuous non-stop production and lower maintenance costs. The system has been designed to be easily accessible for onsite service maintenance, as well as for remote technical assistance, online monitoring, and diagnostics.

## W+D 410i

W+D's new 410i can convert preprint litho or 1:1 personalized digital print into high-value-add direct mail envelopes. It can run with a single operator with no prior envelope adjusting experience required, and complete job changes can be done in under an hour using a modern graphical human interface touch-screen and only a few change tools.



It runs at speeds up to 500 envelopes per minute from light to heavy stock on virtually the full envelope size range. It produces the highest quality #6-3/4, A7, A8, #9, #10, A10, and 6x9" booklet, commercial, and diamond style envelopes with or without windows.

## W+D BB820 20K Direct Mail Inserting System

The W+D BB820 20K direct mail inserting system is a flexible inserter which has tight package clearance of less than a 0.25", and can do shape cut pail and envelope packs up to 0.6". It works with a wide range of feeders for coin/card affixing, notepads, stickers, sheets, and odd shape booklets, and has a high level of system intelligence for mail matching and in-line envelope personalization.



## W+D Halm i-jet 2

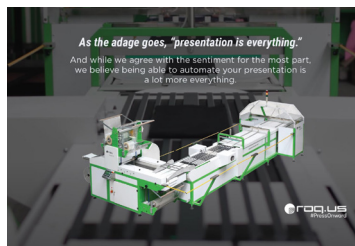
Halm is a name known to the envelope market with more than 3,300 offset jet presses sold in North America. W+D Halm i-jets run at

speeds up to 32,000 envelopes per hour at a print quality of 1,600x1,375 dpi. The newest model is the W+D Halm i-jet 2, which offers even more ease of use and process automation, as well as the lowest cost per meter for ink and printheads. The W+D Halm i-jet 2 allows operators to produce short to medium run work faster, for less cost, and with the highest print quality.



## ROQ Automated Packaging & Labeling Modular System

The ROQ Automated Packaging & Labeling Modular System offers a comprehensive automated pre-shipment solutions suite that may

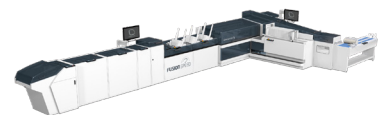


be purchased together or individually. The versatility of the modular system empowers you to build your premiere folding, packing, and labeling system one step at a time. The ROQ Fold, ROQ Pack, ROQ Size Label Applicator, and the ROQ Barcode Label Printer

presents your finished products ready to ship out the door with dependable accuracy in every fulfilled order.

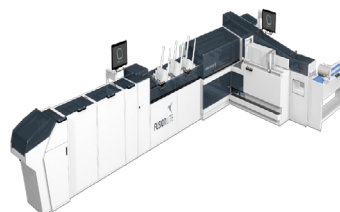
## Bowe Systec Fusion Speed 30KI

The New Fusion Speed from Bowe Systec offers top speeds of up to 30,000 envelopes per hour. Its performance means that it delivers the highest net output in the industry. The Fusion systems owe their capabilities to its patented Flow-Principle technology.



## Bowe Systec Fusion Lite

The New Fusion Lite from Bowe Systec is the third Fusion Series model and offers premium technology and speeds of up to 16,000 envelopes per hour at an attractive price. With the Flow-Principle, the filling speed is slowed down by a factor of 4.5 allowing more time for the actual insertion process and inserts a remarkable thickness of .60".



## PACKAGING PRODUCTS

### HP Indigo 6K

The narrow-web HP Indigo 6K is the newest model of the HP Indigo 6000 series. The press can deliver more applications using higher opacity white for shrink sleeves, with new inks including silver, fluorescents, invisible red and green for brand protection applications,



and new varnishes from leading partners for higher durability. With HP Indigo Secure and partner

solutions, converters can provide brand protection solutions using special inks, anti-counterfeiting marks, micro-text fonts, and protected track and trace solutions. Digital embellishment solutions from HP Indigo and partners include the in-line KURZ DM-JETLINER digital metallization solution, HP Indigo ElectroInk Silver for metallizing the color gamut, and HP Indigo GEM, a digital print-and-embellish, one-pass solution integrated with the HP Indigo 6K.

### HP Indigo 25K

For high-capacity label production and flexible packaging, the new mid-web HP Indigo 25K Digital Press supports a new slitter for labels, making it easier to diversify into new and lucrative applications. It is designed to help converters meet brand needs with an even more attractive total cost of ownership, a wider media range to deliver compostable and recyclable pouches, and more choices to create a digital pouch factory.



### Screen Truepress Jet L350UV SAI — S Model

Screen Americas' Truepress Jet L350UV SAI is the third generation of the platform, which builds upon the success of the original. The S Model, or Standard Model, features CMYK plus white, and optional orange and blue inks. Color label printing speeds are 197 fpm, and standard white or color-plus-white printing speeds are 98 fpm, with an option to upgrade to 164 fpm printing with white ink. With an eighth "slot," the S model will support the additional ink color or technology advancements such as LED pinning technology, or possibly digital primer. Features new to the SAI include a chilled roller supporting thin film, intelligent splice detection, light-reading mark sensors for high-precision overprinting, and a newly developed twin high-power UV lamp curing system for improved UV ink adhesion



to commodity grade substrates. Additional options (factory or field) include a reverse feed option for minimization of material waste between jobs, post-press in-line kit for easy integration into partner flexo lines for hybrid

printing, and integrated Equios (DFE-based) support for full color variable printing.

### Screen Truepress Jet L350UV SAI — E Model

The E Model, or Entry Model, of the Screen Truepress Jet L350UV SAI will be available in early 2021 and is designed for true production value at a lower cost of entry with a standard configuration of CMYK only, and the option to add white ink and either orange or blue ink for expanded gamut printing. Color printing speeds are 164 fpm, and white will print at 98 fpm.

### Xeikon PX30000 UV Press

The Xeikon PX30000 UV inkjet press offers a cost-effective and fast time-to-market solution for short to medium run flexo jobs. It provides the label printer with maximum opportunities to produce the widest range of digitally-printed labels with a glossy tactile look, optimum durability, and high levels of resistance against scuffing and scratching. The press is designed to appeal in particular to label printers working in the high-end markets of health and beauty, chemicals, and premium beers.



### Xeikon CX300 Digital LabelPress

As demand grows for mass customization, shorter lead times and more product diversification, the new Xeikon CX300 digital label press keeps both label converters and their brand owner customers at the forefront of a rapidly evolving industry.

It is a 330mm (13") label press that can offer production capacity

of more than 50,000 sqm per month in a single shift operation. The full-color press is equipped with



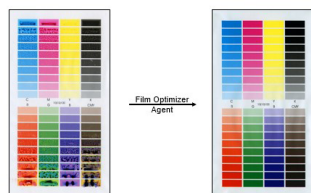
five print stations, including CMYK and single-pass opaque white, but can also support color gamut expansion, custom, or security colors.

## PACKAGING PRODUCTS

### KODAK PROSPER QD Packaging Inks and Film Optimizer Agent — Intertech Award Winner

Being able to print water-based pigment ink on flexible film at high speeds is an undeniable advancement said the judges. Novel chemistry is the basis of the breakthrough. Rather than having different ink sets for each substrate, Kodak's primer (optimizer agent) allows printing on diverse substrates with equivalent print quality. The ink is approved for indirect food contact, and printed film can be processed into composite film with high bond strength.

Immobilizing Pigment Inks: Plastic Films



Industry first: Printing water-based pigment inks on film

### Uteco Sapphire EVO M Press — Uteco and Kodak — Intertech Award Winner

Using Kodak Stream continuous inkjet technology, Sapphire EVO M is the fastest digital solution for flexible packaging, printing process color on a variety of films at 650 fpm. Its speed and 24.5" print width, along with flexo-white and post-coater options, makes it a suitable alternative to flexo for many jobs. The press is a



true innovation and the judges expect it to make an impact.

### ArrowJet Aqua 330R Digital Pigment Inkjet Printer

Utilizing high speed, waterfall technology and a water-based pigment ink, the ArrowJet Aqua 330R can print at speeds up to 150 fpm with resolutions up to 1,600x1,600 dpi. The pigment-based inks allow for use in a variety of industries.



### Epson SurePress L-6534

The Epson SurePress L-6534 represents one of the most modern forms of digital UV label printing ever developed. Powered by an Epson PrecisionCore line-head, users can expect print



speeds up to 164 linear fpm at an exceptional level of print quality and reliability.

### GEW UV Curing Systems

GEW designs and manufactures arc and UV-LED curing systems for printing, coating, and converting applications. GEW also specializes in the design and installation of UV-LED systems and introduced its latest UV-LED product, LeoLED. Representing the next generation for UV-LED curing, LeoLED is compatible with GEW's ArcLED interchangeable hybrid system.



### Nazdar 68NC Series UV-LED Flexo Ink



68NC Series UV-LED Flexo Ink is formulated for tag, label, and packaging applications. These inks have excellent rheology characteristics, making them ideal for most printing equipment and product applications. Additionally, 68NC inks are compliant with the Nestlé Guidance Note on Packaging Inks, and feature both low migration and low odor.

### Xeikon fleXflow Digital Flexible Pouch Solution

Xeikon's fleXflow process is the solution for digital pouch production. The Xeikon solution offers: profitability for volumes from one up to 20,000 pouches; high image quality and full variability; extremely low setup and turnaround times; a wide application range, with the highest level of food safety in digital; Xeikon's fleXflow; 100% solvent free; low complexity for diverse constructions; and high bonding.



### Xeikon Fusion Embellishment Unit

The Xeikon FEU offers label printers and converters maximum flexibility to meet the demands of

brand owners and designers striving to achieve high end, eye-catching, unique, and creative labels. With complete digital finishing and embellishment capabilities, the FEU is based on MGI technology, and provides UV spot varnish, tactile varnish, foiling, 3D textures, and holograms across





a wide range of substrates including clear on clear, common BOPP, and paper facstock up to natural structured papers.

## Agfa Jet Tauro H2500 LED

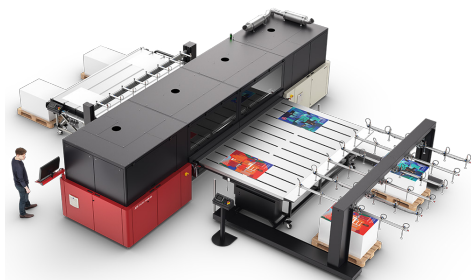
A hybrid UV-LED inkjet printer with integrated roll-to-roll system, the Jeti Tauro H2500 from Agfa features continuous and automated feeding of rigid and flexible media. It prints up to 2.54m wide, at speeds up to 275 sqm/h, and comes standard with a built-in light roll-to-roll for occasional,

single roll printing. The master roll-to-roll option is ideal for long-run roll-to-roll jobs. The printer can also be used for roll-to-sheet.



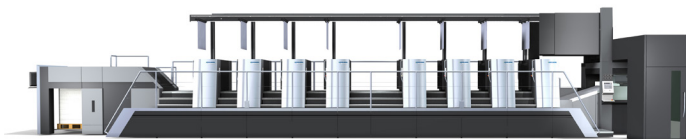
## Agfa Jet Tauro H3300 LED

The Jeti Tauro H3300 LED from Agfa is a 3.3m hybrid printer built to handle extreme workloads 24/7 at speeds of up to 453 sqm/h. It now comes in a four-color version, which reaches sellable production quality in three passes. The existing six-color version best serves those prioritizing unequaled print quality. The new Automatic Board Feeder (ABF) enhances production efficiency. It is ideal for shorter runs, and a fast and smooth changeover between different media sizes or types. In addition to the existing master roll-to-roll version, designed for high-volume print runs, the Jeti Tauro H3300 LED now features an optional light roll-to-roll unit, which is particularly suited for occasional, short single roll-to-roll work, yet can be quickly converted to sheet mode.



## New Generation Heidelberg Speedmaster XL106

The New Generation Heidelberg Speedmaster XL 106 is all about smart manufacturing, integrated and coupled with Artificial Intelligence (AI) to enable push-to-stop autonomous manufacturing, regardless of an operators' skill set. It is powered by Prinect, with AI tied into the makeready process so the tasks are completed for the full changeover of jobs, even down to the smallest detail such as the color wash-up. Decisions are made for the operator to ensure the shortest wash-up time for the best wash-up possible, based on the L.A.B. value of the ink. Smart Set-up on the new Speedmaster



XL 106 enables User Profiles to determine specific task and function accessibility or limitations for press operators.

## Rollem Insignia Diecutter Series

Rollem International's new Insignia Series diecutter is designed for folding cartons. This new class of sheetfed rotary diecutters fills a unique space in the packaging sector for shorter run packaging production. Insignia is capable of not only diecutting, but also embossing, scoring, cut-scoring, kiss-cutting, and in-line folding/gluing to deliver finished cartons in one pass with one operator. By utilizing mated pairs of flexible dies, a male and female die are easily mounted on the cylinders enabling just minutes for makeready and job changeovers.



While shorter runs are one of the benefits of Insignia, it's a production built machine with run speeds of up to 4,000 sph. Unique to this class of diecutters, InsigniaX<sup>3</sup> can diecut up to 30 pt. thicknesses.

## Konica Minolta KM1e Digital Inkjet Press

Konica Minolta's KM1e sheetfed digital inkjet UV-LED B2 plus-sized press has expanded its substrate management capabilities for a diverse array of applications, including folding carton board-stock.



The KM1e — using patented Konica Minolta inkjet heads — takes advantage of a unique UV-LED ink curing process to also produce applications on

various types of media such as plastics, backlit signage, transparent film, foiled paper, metallic media, canvas, and synthetic materials.

## Duplo DPC-400 Digital Diecutter

Utilizing a flatbed table and digital cutting technology, the Docu-Cutter DPC-400 digital diecutter produces short-run packaging, custom-shaped cards, and labels without physical dies required. The DPC-400 cuts, kiss cuts, and scores a range of substrates including paper, laminates, adhesives, and synthetic stocks up to 14x20" in size, and up to 400 gsm. It's an affordable and versatile solution for prototyping designs and sample productions.



## Duplo UD-310 Rotary Diecutter

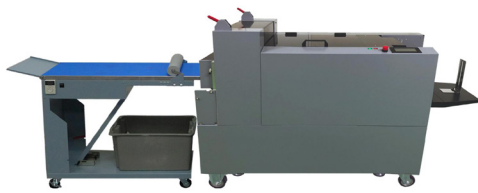
The high-speed UD-310 Rotary diecutter delivers packaging and print marketing applications in distinctive shapes and sizes to help you

## PACKAGING PRODUCTS

stand out from the competition. Processing up to 4,000 sph, the UD-310 utilizes a magnetic cylinder and interchangeable flexible dies

that affix to it to process paper, laminates, adhesives, and synthetic stocks up to 400 gsm.

Offer custom finishing options by bringing this value-added service in-house.



### KNF Neuberger Smallest Smooth-Flow Pump

New FP 150 expands the KNF low-pulse liquid diaphragm pump family to flow ranging from 0.212.4 L/min. This line combines pulsation

on par with gear pumps with advantages of diaphragm pump technology — self-priming, run-dry safe, and long life. Pulsation is  $\leq 150$  mbar at the pump outlet, with achievable peak-to-peak pulsation far below this. Perfect for recirculation of bulk ink, ink transfer



to upper reservoirs or directly to printheads, and recirculation in flow-through printhead systems.

### CWT Worktools LST Max Digital Diecutter

The LST Max from CWT Worktools USA is the perfect cost effective solution for a

variety of finishing requirements for adhesive sheets, business cards, specially shaped cards, invitations, labels, small

packaging, tags, and more. You can cut, kiss cut, diecut, and crease a variety of paper/card stock on sheets up to 23x31".



LST Max Digital Die Cutter

### EFI Nozomi Single-Pass Printer

The new EFI single-pass for display graphics UV-LED inkjet printer, part of EFI's super-high-speed series of devices, leverages the proven capabilities of the EFI Nozomi C18000 Plus printer for direct-to-board corrugated packaging production. With this new 63"-wide

single-pass solution, users can reach truly breakthrough speeds, running through skids of synthetic media and paper-based materials at

speeds up to 1,000 sheets or boards per hour. A future upgrade for the printer will also allow for conversion to roll-to-roll production. Operating at speeds that are up to three to four times faster than the most productive shuttle-based/multi-pass printers, the EFI single-pass for display graphics printer delivers high-end output on a wide range of media in quantities other digital solutions cannot match, giving customers a lower total cost of ownership, and higher profit potential, for high-volume demand.



### Durst Tau 330 RSC E

Durst's Tau 330 RSC E UV inkjet single-pass press will bring affordable digital production to increasing numbers of converters. Specifically targeted at small and medium converters in the mid-tier market, the budget-priced new model will be field upgradable to the full Durst Tau RSC high-speed press at full 8 colors and 245 ft/min.



The press is available in 330mm and 244mm print widths, offering four colors or four colors and white option in full-speed mode. The

Tau RSC E benefits from Durst's state-of-the-art RSC technology. Its native resolution of 1,200x1,200 dpi, combined with its smallest drop size of 2 pl, provides photo-like quality.

Production capacity of 1,020 sqm/h is achievable with a printing speed of 52 m/min at full color, including white. High pigmented inks reduce ink consumption by up to 20% per square meter, optimizing running costs to the lowest possible level.

### Afinia and Sihl Flexible Packaging Films

With the ARTYSIO brand, Sihl presents an innovation for the production of packaging in aqueous inkjet printing for digital printers, converters, brands, and manufacturers.

In cooperation with Afinia Label and digital inkjet printing technologies, Sihl has developed a unique solution that makes it possible to combine a sustainable, plastic-based material with the high-quality, environmentally friendly aqueous inkjet digital printing. ARTYSIO packaging materials guarantee an extremely high print performance on printers such as the Afinia Label L901.

## WIDE-FORMAT PRODUCTS

### Durst Rho 2500

The Durst Rho 2500 is a modular industrial production printer available in three versions, with upgrades possible at any time. The 8pl printheads with variodrop printing technology enable higher resolution of 1,000x800 dpi, with productivity up to 1,200 sqm/h. Starting with six head rows for the S model, the next level for the Rho 2500 M comprises eight head rows, and the Rho 2500 L has 10 head rows.



### Durst Rho P5 350

Durst expanded its P5 portfolio with the hybrid P5 350 (print width up to 11.5-ft.). The printer offers print quality of up to 1,200 dpi, multi-track options for up to six parallel boards, automatic media width and thickness detection, foldable and smooth-running roller tables, and a secure ink refill system.



### HP Latex 3600 Printer

The 3.2m HP Latex 3600 can handle production peaks of up to 35,000 sqm/h, and is ideal for dedicated application production, such as banners, backlights, wallcoverings, and retail or event signage. The printer offers: special tiling mode, with an improved color consistency for demanding jobs; reduced media waste, saving up to one linear meter per roll using the HP



Latex Media Saver; lower labor costs, a single operator can manage up to four printers simultaneously; automatic maintenance of print-heads; and reduced costs — heavy-duty rolls for fewer roll changes and 10-liter HP ink supplies for overnight runs.

### HP Latex 1500 Printer

Building on the success of the HP Latex 3000 printer series, the 126" (3.2m) HP Latex 1500 offers an affordable super-wide printing solution, providing fast turnarounds on a broad range of indoor and outdoor applications. Printing at speeds up to 74 sqm/h (800 sqft/h) in outdoor production mode, and up to 45 sqm/h (480 sqft/h) in indoor mode, the printer maintains quality print after print [printingunited.com](http://printingunited.com)

with 1,200 dpi HP Thermal Inkjet printheads, auto nozzle replacement, an optical media advance sensor (OMAS), as well as an embedded spectrophotometer.



### HP Latex R2000 Plus Printer

The HP Latex R2000 Plus Printer includes the highest capacity and productivity in the HP R Series of printers, which feeds materials in



roll-fed or sheetfed configuration up to 98" wide (2.5m). It also features high-capacity five liter-cartridges, and white ink printing capability.

### HP Latex R1000 Plus Printer

The HP Latex R1000 Plus Printer can handle media up to 64" wide (1.64m), features both a roll-fed or sheetfed configuration with three-liter cartridges, and white ink printing capability.



### Agfa's Oberon RTR3300

The Oberon RTR3300 is a dedicated 3.3m, roll-to-roll machine that combines productivity and quality with an extensive media scope



and ease of use. It comes in a four-color plus white, and a six-color version. In "express mode," the Oberon RTR3300 hits 150 sqm/h. In "production mode," the Oberon reaches a consistent 85 sqm/h.

The dual-roll option is capable of handling two rolls each up to 1.6m wide, doubling the total output.

### Agfa Jeti Tauro H3300 LED S

The latest member of the Jeti Tauro family is the Jeti Tauro H3300 LED S, an entry-level model. This hybrid six-color printer, with



## WIDE-FORMAT PRODUCTS

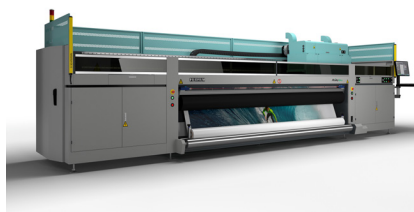


optional white and primer, boasts a top speed of 302 sqm/h, which can be upgraded to the higher speeds of its bigger brother. It also shares

the latter's short start-up times and quick and easy maintenance, while featuring the same automation options. It will be available in six possible configurations; four dedicated to board printing, ranging from manual to fully automatic, and the two remaining configurations focus on roll printing, with a master roll-to-roll and a light roll-to-roll model.

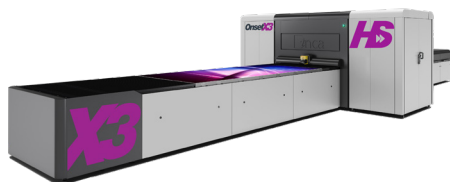
### Fujifilm Acuity Ultra

The Acuity Ultra from FUJIFILM North America Corporation, Graphic Systems Division, achieves new levels of quality and speed in superwide roll-to-roll printing, and is available in 3.2m and 5m models. With its 2- or 3-up multi-roll potential and ability to print on a broad range of materials, Acuity Ultra can create trade show graphics, POP displays, high-value graphic art, backlit displays, outdoor displays, outdoor signage, and more. It is built for versatility with color configurations, print width sizes, and feature options, and is also perfect for high-end indoor displays where close viewing requires images to be exceptionally clear and vibrant.



### Fujifilm Inca OnsetX3 HS

The Inca OnsetX3 HS is the latest addition to the Inca Onset range of full-bed array wide-format UV flatbed inkjet printers. The productivity of the OnsetX3 HS models is due to a combination of job setup



time, press uptime and reliability, raw print speeds, and actual throughput and productivity. OnsetX enables the production of high quality, high

speed output up to 283 5x10-ft. beds per hour, and incorporates the concept of Scalable Architecture, which allows a machine to be tailored to meet individual business needs at the time of initial investment, and then allows for future expansion.

### Canon Arizona 2300 UV Printer

The Arizona 2300 Series UV curable flatbed printer from Canon Solutions America is built around Arizona FLOW technology, a

vacuum technique that supports a zone-less, multi-origin table layout. FLOW technology offers up to 20% more productivity, as it requires less masking and taping, and is supported

by three-sided pneumatic registration pins to better secure the substrate in place on the table. This series provides customers with the ability to print up to 1,001 sqft/h, helping streamline and improve productivity. The automated maintenance system offers hands-free printhead maintenance, and reduces downtime by restoring nozzle function in as little as 24 seconds — including white ink, which can be difficult to maintain. Furthermore, its high-resolution camera alignment system enables easy, quick, and precise printhead alignment and flatbed table mapping.



### Canon Arizona 2300 UV Printer

At the heart of the Colorado 1640 is Canon's UVgel technology. This technology combines a UV curable ink from Canon that instantly



gels on contact with the media, an advanced "self-aware" piezoelectric printhead technology, an LED-based UV system that cures without adding any damaging heat to the media, and continuous, on-the-fly, printhead nozzle

monitoring and performance compensation. The 64" Colorado 1640 boasts a top speed of 1,710 sqft/hr and delivers high quality, POP prints at 430 sqft/hr.

### Roland DG IU-1000F High-Volume UV Flatbed Printer

Designed for fast, efficient printing on a wide range of substrates — including 4x8-ft. rigid boards weighing up to 99 pounds — the Roland DG IU-1000F has 12 printheads in a staggered three-row arrangement and a 4" carriage clearance. It prints edge-to-edge on thin or thick boards, and offers multiple speed and performance options, including a maximum speed of 1,248.6 sqft/h in four-color draft mode. Printing speed for a typical 4x8-ft. rigid board averages about 35 boards per hour in "Draft" mode (1,248.6 sqft/h) or about 15 boards per hour in "Standard" print mode



(516 sqft/h). Even in “Quality” mode (174 sqft/hr) the IU-1000F averages about 10 boards per hour.

## Ahlstrom-Munksjö WallStar Digital

Demand for customized digital printing is growing, led by changing consumer demand. Ahlstrom-Munksjö WallStar Digital is a directly printable, PVC free, nonwoven portfolio delivering benefits for both printers and end users.

Benefits for WallStar Digital:

- PVC-free and eco-friendly
- Easy to install and remove
- Luxurious, textile-like touch
- 100% paste-the-wall and strippable
- Excellent printability and opacity



## 3A Composites USA DISPA

3A Composites' DISPA consists of an embossed paper core laminated on both sides with bright white, smooth paper surfaces — a unique composition that makes this paper board lightweight yet



extremely rigid, strong, and dimensionally stable. Signs created with lightweight DISPA stay flat, yet are easy to handle and hang. Manufactured with 100%

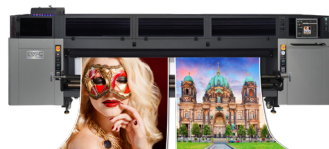
FSC-certified paper (FSC-C074317), it is fully recyclable and provides a flat, smooth surface for excellent printability and easy fabrication.

## StratoJet Falcon XL-3300

A UV roll-to-roll perfectly suited to print fabric and vinyl applications that are up to 10-ft.

(3.2m) in width or multiple smaller rolls simultaneously. Print a variety of roll media without pinch rollers using CMYK and white UV curable inks that adhere to nearly anything at high quality 1,200+ dpi output.

With 11 colors to choose from, plus white option, Falcon is currently the best in its class for high quality output with production modes.



## Mactac IMAGin M-Dot Floor

Durable, reliable and eye-catching, floor graphics come in every size, shape, and color. To transform flat, smooth floors like tile,



M-Dot Floor MD128F is ideal for short-term indoor use (no laminate needed). The perfect go-to print media for social distancing, desk spacing, directional signage, promotion advertising, and

customer greeting messaging. No matter who is installing — graphic printer, sales associate, or volunteer — just print and apply. No tools or installation experience needed.

## HP DesignJet Studio Printer Series

For design professionals, the setup and style of their workplace is a statement about them-

selves. With a sleek white facia and wood or steel finish, the HP DesignJet Studio Printer series delivers a high-performance experience for design professionals, and is uniquely designed without ever compromising on speed, quality, or ease of use.



## HP DesignJet T200 Printer Series

Built to fit in the smallest of spaces, the HP DesignJet T200 Printer series are the world's smallest large-format plotters. With a width of



24", and capable of printing up to A1, they're designed for simplicity of use with HP Click software, enabling rapid one-click printing of multiple files at once. The A3/B automatic sheet feeder accessory offers the ability to print multi-size A3/LF workflows without changing media input.

## HP DesignJet T600 Printer Series

The HP DesignJet T600 Printer series shares many of the market-leading characteristics that present the HP DesignJet T200 Printer series as a leader in its class.

The new series has the added ability to handle multi-size A3/LF workflows as default, comes with an integrated stand, and is designed to handle complex projects, with increased memory and native HP-GL/2 support. The versatile, sustainable, intelligent HP DesignJet T600 Printer series is available in 24" and 36" models.



## Mimaki USA UJV100-160 Roll-to-Roll UV-LED Printer

Mimaki USA's UJV100-160 roll-to-roll UV-LED printer asserts Mimaki's leadership in roll-to-roll UV-LED technology. With two newly



developed printheads, high quality prints at high speeds are achievable, combining stability and productivity in a competitively priced unit. Equipped with UV-LED lights,

## WIDE-FORMAT PRODUCTS

it delivers instantly cured prints at 247 sqft/h in draft mode, eliminating the drying time required by other ink technologies.

### Nazdar 260 Series UV-LED Inkjet Ink

As a cost-effective and top-quality alternative ink series, Nazdar 260 Series inks are designed for use in DX-4 and DX-5 print-heads in non-heated LED ink systems, offering a wide range of graphics and product print possibilities. The inks exhibit excellent adhesion and flexibility on a variety of typical point-of-purchase (POP) substrates.



### Nazdar 565 Series Digital Ink

565 Series Inks are designed specifically for use in OKI ColorPainter M-64s printers using OKI SX IP6 Ink. Due to the complete chemical and color compatibility of the two ink sets, OEM pouches can be replaced with Nazdar 565 Series pouches as they run out, rather than all colors at the initial install. There is no need to perform wasteful ink fill procedures or dispose of unused ink.



### Nekoosa Trifecta

Nekoosa's Trifecta allows users to create one-step floor, wall, and window graphics with one universal media — no overlamine required. The 6 mil. semi-rigid, matte white, textured vinyl face-stock has a high opacity and an excellent white point. Universal removable adhesive will cleanly remove from indoor and outdoor application surfaces for up to six months. Stable 90# layflat polycoated paper liner for ease of printing and installation. UL 410 slip resistance certified.



### Roland DG TrueVIS VF2-640 Eco-Solvent Wide-Format Printer

The first "print-only" model within Roland DG's TrueVIS series, the 64" VF2-640 provides unparalleled color gamut expansion and unsurpassed



print quality. The VF2-640 offers a new level of color control and vibrancy, making it easy to produce color-accurate signs, vehicle graphics, labels,

decals, heat transfer apparel, and more. Along with the VF2 comes a new TR2 Green ink which, when combined with vibrant TR2 Orange ink in process colors, allows for a significantly wider color gamut.

### Roland DG VersaUV LEF2-300D Flatbed UV Printer

The VersaUV LEF2-300D printer's expanded workspace supports a height of up to 7.87" (200 mm) — twice that of standard LEF2 models — enabling users to print text, full-color graphics, and unique textural effects directly onto an even broader range of objects. Like all Roland DG LEF2 series printers, the LEF2-300D employs UV-LED lamps to instantly cure ink, making it easy to customize or personalize a vast array of items, including smartphone cases, awards, giftware, leather goods, and more.



### Roland DGA Social Distancing Signage Solutions

Roland DGA's Social Distancing Signage Solutions make it easy to produce health and safety signage for stores, restaurants, schools, and businesses. These "build your own" packages include the materials, hardware, software, and free design templates needed to cre-



ate such signage efficiently and cost-effectively. The solutions — built around a Roland DG TrueVIS SG2-540 printer/cutter (or related model) — include print and cut SDS templates, plus recommended accessories and media.

### Canon Colorado 1650

The Canon Colorado 1650 incorporates Océ FLXfinish technology, a new approach to LED curing that allows the operator to choose between a matte or gloss output for each individual print to achieve different finishes — without the need to change inks or media. Océ FLXfinish technology also enhances the performance with more porous media, including uncoated papers and soft signage materials, such as polyester textiles and silicon-edged graphics media, by enabling each ink droplet to be "fixed" immediately on jetting, preventing absorption by the substrate.





## Roland DG TrueVIS VG2

The Roland DG TrueVIS VG2 Series Printer/Cutter is available as either a 54" or 64" version, and incorporates a host of technological advancements. It uses Roland's TR2 eco-solvent ink, available in three different configurations with CMYK, plus additional light cyan, light magenta, light black, white, or orange. The ink choices allow for a wider color gamut and more color control.



## Mimaki USA UJV100-160 Roll-to-Roll UV-LED Printer

Mimaki USA's UJV100-160 asserts Mimaki's leadership in roll-to-roll UV-LED technology. With two newly developed printheads, high quality prints at high speeds are achievable, combining stability and productivity in a competitively priced unit. Equipped with UV-LED lights, it delivers instantly cured prints at 247 sqft/h in draft mode, eliminating the drying time required by other ink technologies.

## HP PrintOS Platform

Launched at drupa 2016, more than 12,000 HP customers are now connected on HP PrintOS, using a range of applications that leverage big data on the cloud in real time for all types of production challenges. Some of the HP PrintOS applications driving success include:



- Marketplace loaded with new applications and partner solutions, including information on market trends and business opportunities, as well as free open artwork files.
- In collaboration with Microsoft Xiaoice, unlimited "mosaic-ready" seed patterns created by AI technology are available in the Marketplace, enabling designers to create hyper-customized projects faster.
- HP Site Flow offers three user levels — Lite, Pro, and Enterprise — supporting PSPs producing as few as 50 jobs per day, to more than 10,000.
- Predictive Press Care algorithms address potential press issues before they impact production.

## Fujifilm ColorPath SYNC Brand Color Optimizer

Fujifilm's ColorPath SYNC Brand Color Optimizer fine tunes the ability to print spot colors. The technology can be used to optimize any color library — including Pantone, HKS, and Toyo. The XMF Color-path Brand Color Optimizer measures and optimizes every color within the library. Because spot colors are managed separately from regular



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CMYK colors, maintaining ISO printing of CMYK and Pantone spot colors in the same job is easier.

## Epson SureColor S Series

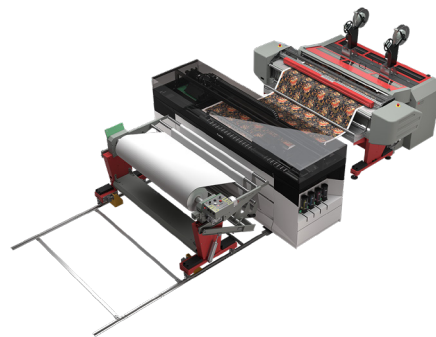
Epson's 64" SureColor S60600L features a four-color bulk ink pack system, and the 64" SureColor S80600L features a 10-color bulk ink pack system, providing double the ink capacity of previous generations. The SureColor S80600L is capable of hitting 98.2% Pantone coverage. Both models offer more than 30% better ink efficiency than comparable latex solutions.



## Canon UVgel Wallpaper Factory

The Canon UVgel Wallpaper Factory is an integration between the Colorado Printer Series and UVgel technology, and finishing partner Fotoba. This solution is ideal for automated production of customized wallpapers. The UVgel Wallpaper Factory is a fully modular

workflow solution, which consists of a motorized Fotoba Jumbo Roll media loader (JRL) connected to the front of a Colorado series printer to help customers automatically cut flexible media into custom



sizes and lengths. For an added convenience, with the embedded taping unit, print jobs can be as simple as "print, cut, rewind, and tape," allowing wallpaper rolls to be available for quick delivery. For regular print jobs, the two media drawers of the Colorado remain accessible.

Colorado 1650 UVgel 460 inks are odorless and certified GREEN-GUARD Gold by AgBB, and Type II by ASTM, allowing them to be safe to use indoors. With the Colorado 1650's FLXfinish technology, customers can offer customized wallpaper with a velvety matte finish.

## Colex Sharpcut Pro SX1732 Flatbed Cutter

The Sharpcut Pro from Colex offers increased speed and acceleration, and a robust one-piece



## WIDE-FORMAT PRODUCTS

steel welded frame that delivers clean, smooth edge quality on rigid boards and roll media. The Pro includes a Triple Interchangeable Tool Head that has the ability to add tools and router options to customize for specific workflow. The Pro includes the latest Vision Registration Software and Energy Efficient Vacuum system.

### Monti Antonio S.p.A. 91-3600

Calender for transfer printing, reactivation, and “crush” heatsetting. The cylinder width comes in two extra large sizes: 3600 mm (141.73”) and 5400 mm (212.59”).

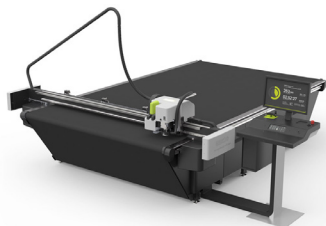
### Edward Segal 3PGW Grommet Machine

The Edward Segal Inc. 3PGW is well suited to the sign and awning industry, and fills the void between the more expensive high volume machines and the manual load options. A 3PGW does everything the larger machines do, including punching the hole, and feeding both the grommet and washer.



### ESKO Kongsberg X Edge

The Kongsberg X Edge is the perfect start to your digital finishing journey. The Kongsberg X Edge can handle the full spectrum of display, signage, and packaging materials from kiss cutting vinyl, to heavy duty milling, and more. As your company grows, the Kongsberg X Edge evolves with you, and can be upgraded in both speed and acceleration.



### EPSON SureColor R5070 & 5070L

First of its kind to feature multi-purpose resin ink, this 64” roll-to-roll signage printer from Epson provides professional-quality wallpapers, fabrics, uncoated papers, and traditional signage at remarkable speeds. The R5070/R5070L offer immediate lamination, user-replaceable PrecisionCore printheads and ultra low-cost, with the R5070 offering bulk ink tanks with three liters of ink per color.



### Mutoh XPJ-661UF and XPJ-461UF UV Flatbed Printers

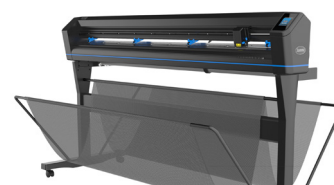
Mutoh introduced the new XpertJet 661UF and 461UF, UV-LED flatbed printers. New features include a sleek modern design, larger



printable surface area, updated touchscreen panel, improved LED lamp, and more. The devices allow for layered printing to create fine textured prints and braille, which instantly adds value to any print. Mutoh’s “Local Dimming Control Technology” adds high glossy finishes in one pass.

### Summa S One Roll Cutter

Summa new roll cutter product line is called S One. To optimize quality, ergonomics as well as efficiency, the S One Series is built completely from the base, using the experience and knowhow acquired over years of developing roll cutters. The S One Series not only showcases a more modern look, it also embodies add-ons and enhanced features for better quality, improved ergonomics, and higher productivity.



### EFI VUTEk XT Hybrid Printer

The EFI VUTEk XT hybrid flatbed/roll-to-roll display graphics printer brings world-class innovations — including the next generation of multi-pass pin-and-cure imaging, ink delivery, and dot placement technologies — to signage and graphics providers looking to address higher-volume needs with a reliable print solution offering a lower total cost of ownership (TCO). It is designed to print more than 375 boards per hour. Its CP5G ink system, delivers complete ink circulation, superior dot placement, five-picoliter drops, and grayscale imaging without expanding beyond four-color CMYK ink sets.



### Drytac Polar Dynamic Sand

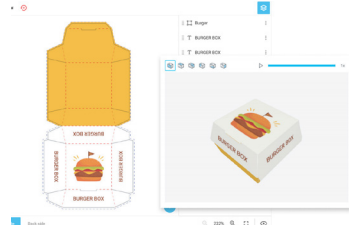
Drytac’s Polar Dynamic Sand is a new scuff-resistant monomeric PVC film designed for short-term applications. Printable on eco-solvent, latex, and UV printers, Polar Dynamic Sand is 7mm thick. Its textured scuff-resistant surface eliminates the need to laminate. In addition, its gray adhesive makes it an ideal block-out material, while its two-year lifespan for exterior applications offers significant flexibility. The printable, matte white PVC film’s removable, solvent pressure sensitive acrylic adhesive is protected by a two-side PE coated release liner, and is available in widths of up to 60”.



# WORKFLOW & SOFTWARE PRODUCTS

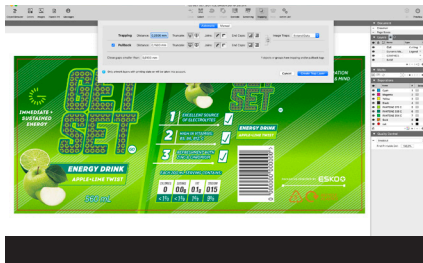
## Aurigma Customer's Canvas — Intertech Award Winner

Customer's Canvas technology reduces the cost and complexity of developing online storefronts that require online design customization. It's adjustable to any ordering workflow, supports Adobe file templates, and can be integrated into a workflow automation strategy. The judges recognized its ability to put powerful customization capabilities in the hands of printing companies, furthering the use of Web-to-print solutions.



## Esko Trapper — Intertech Award Winner

The cynics said it couldn't be done — an automated trapping solution for packaging that not only judges a trap based on the color situation, but also based on objects. The novel algorithm eliminates misregister gaps, and accommodates individual exceptions, making trapping jobs considerably faster by removing manual intervention. As the judges noted, this is a step above any instant and power trapping tool available today.



## GMG ColorCard — Intertech Award Winner

GMG ColorCard is the three-time award winning digital solution for color references. It automates the manual, labor-intensive process of reprinting color matches in the ink kitchen, creating an accurate, repeatable color reference using inkjet technology. Brands that



demand accurate color reproduction often require printers to submit ink drawdowns as part of the approval process.

Until now, that meant going back to the ink kitchen. With GMG ColorCard, your precise color target is just a few clicks away.

## Canon VIEW: Automated Inkjet Estimation Tool

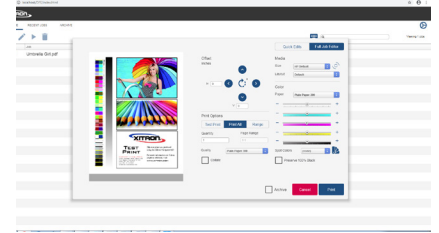
The power to produce estimates has never been easier. With VIEW, the intuitive Canon Solutions America inkjet estimator tool, sales teams and customers alike can quickly and proactively ascertain ink usage estimates for any PDF application.



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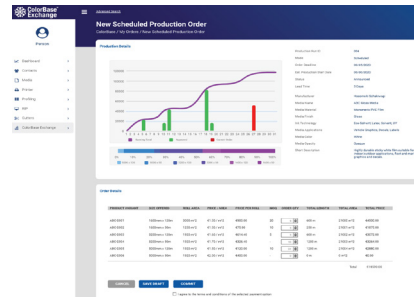
## Xitron Navigator DFE

Xitron's new digital front end (DFE) technology gives inkjet press manufacturers a faster path to market. Accessing the power of a full DFE with the ease of a print driver, operators use a browser-based interface to prepare jobs, manage color accuracy, and drive their press at full rated speed, even with variable data on every page. Judges found the entire package innovative.



## Color Concepts of North America ColorBase Exchange

ColorBase Exchange is a revolutionary cloud-based platform that connects manufacturers to resellers of printing materials, and facilitates communication and transactions through a centralized marketplace. With streamlined data exchange, procurement, sales, customer acquisition, payments, and logistics, operating in the large-format print material industry has never been more straightforward, secure, and cost effective.



## KODAK PRINERGY On Demand

PRINERGY On Demand is the first of its kind, high-performance, cloud-based workflow platform engineered to deliver absolute reliability, ironclad security, flexibility, and data analytics for one flat monthly subscription fee. Hosted/managed by Kodak and backed by Microsoft's highly available Azure Cloud environment, Kodak assumes responsibility for the system, including monitoring, administration and problem/resolution.



## EFI Productivity Software 8.1 Suite

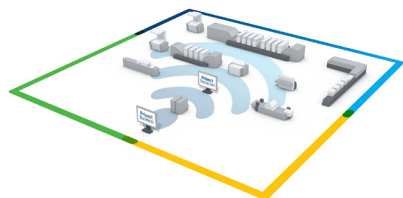
EFI is pleased to announce the 8.1 software release across the Productivity Software Suites product lines. Featuring new updates and developments in the software workflows, including mailing, e-commerce, scheduling, data visibility, user interface, estimating, fulfillment, and more.





## Heidelberg USA Hybrid Workflow Solution for Digital & Offset

Prinect Digital Print Manager enables complete integration of digital printing systems into the Prinect management and production

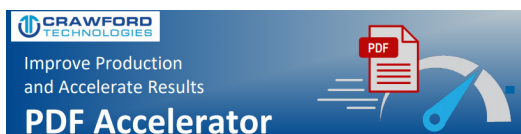


workflow. Print shops can choose flexibly and job-specifically between offset and digital print production, produce with a combination of both technologies, or use the most cost-effective printing method. Prinect will automatically setup each

job using Heidelberg Color Management to guarantee consistency and reliable color reproduction in one workflow system.

## Crawford Technologies PDF Accelerator

PDF Accelerator delivers performance enhancing and flexible optimization capabilities for the processing of large PDFs. Leveraging highly configurable, proven transformation solutions, PDF Accelerator streamlines and optimizes PDFs for print, archival, and e-delivery, ensuring efficient asset and resource utilization and increased productivity. PDF Accelerator solves the challenges of problematic PDFs due to faulty rendering algorithms, poor concatenation, or repurposing, to ensure high-quality.



## CapStone Technologies AutoViri Software

AutoViri Software is a patented solution that integrates your mail operation's physical and digital workflows, giving total production visibility to everyone in your business. With AutoViri Software, you can find and fix 17 costly USPS Mailer Scorecard errors before you release jobs to the USPS. You'll protect your workshare discount by preventing errors while your jobs are still under your control. See the benefits with a six-month risk-free trial.



## Enfocus BoardingPass

Enfocus BoardingPass allows customer-facing staff to instantly validate PDF files for print. Integrated with an email client, BoardingPass identifies errors that require a file to be resubmitted and automatically drafts an



email reply. Customer service agents gain the power to provide quick and understandable job feedback. Prepress not required.

## Screen Americas JetInspection

JetInspection, SCREEN's dedicated inspection system, performs comprehensive, real-time inspection of variable images across all pages. Controlled directly from the operation panel, JetInspection uses a camera to capture barcodes and optical character recognition fonts and output the inspection results after decoding. It also checks for missing dots, color variations, and improperly output text.



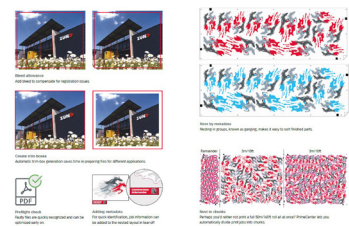
## Tilia Phoenix



Nesting gets even smarter with the release of Tilia Phoenix 7.0. In collaboration with open-technology provider, Zund cutting systems, Tilia Labs has brought to market the industry's first internet-of-things (IoT) enabled estimating and layout solution.

## Zund America PrimeCenter

PrimeCenter, developed in cooperation with Caldera, is a Zünd software solution that simplifies file preparation and output, allowing users to configure their workflows — from design to print to cut — with the level of automation that best meets their needs. Designed to maximize material yield and eliminate errors, PrimeCenter enables easy, efficient, and flexible workflow management. This is especially beneficial in Web-to-print production with significant volumes of short runs.



## Solimar Systems' SOLitrack 2.4

Solimar Systems' SOLitrack version 2.4 has many new features including web-based job control, proof and approval capabilities, and JDF finishing for PDF files — all to maximize the effectiveness and efficiency of a remote print production workflow.

Key to the ease-of-use and overall visibility that SOLitrack 2.4 provides is a central dashboard, now available worldwide as a web-based platform with SOLitrack Mobile. The dashboard displays event notifications and tracks Solimar's Chemistry™ platform components in detail providing users in-depth views of their production workflow processes.

SOLitrack 2.4 keeps a continuous record of processing activity which provides a history of the entire workflow that can be viewed and reported on in real-time. The platform constantly monitors the production workflow for errors, notifying appropriate users on issues or events needing attention.

# PRINTINGUNITED

**EXPO** • Oct. 6-8, 2021 • Orlando, FL

As the first significant gathering of the industry in two years, the PRINTING United Expo will be more important than ever this year. To help you make the most of your time at the show, we're introducing a new Expo Experience for 2021. If you're a printer, decorator, or converter in the business of putting INK ON paper, plastics, apparel, board, promotional items, and more – this show is for you!

## EXPO PREVIEW

Registration to this year's Expo includes access to a robust online portfolio of product demonstrations and educational sessions, helping you better prepare for your time on the live show floor.

## EXPO LIVE

Step through the doors of the Orange County Convention Center on Oct. 6 and experience one million square feet of solutions across all industry segments, networking opportunities and events, and best-in-class educational sessions presented by top thought leaders.

## EXPO WRAP-UP

Taking place virtually, immediately after the live Expo, the Expo Wrap-Up will give you the opportunity to review what you learned on the show floor and explore anything you may have missed.



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# WHO WE ARE

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PRINTING United Alliance is the new entity borne of the merger between Specialty Graphic Imaging Association (SGIA) and Printing Industries of America (PIA). In a milestone in the printing industry, SGIA and PIA officially combined in 2020 to create the largest, most comprehensive member-based printing and graphic arts association in the United States. Members have unparalleled access to preeminent education, training, workshops, events, research, government and legislative representation, safety and environmental sustainability guidance, as well as resources from the leading media company in the industry – NAPCO Media. For PRINTING United Alliance membership inquiries, visit [sgia.org](http://sgia.org). To learn more about local Affiliate membership, visit [printing.org](http://printing.org).



NAPCO Media is a leading B-to-B media company specializing in creating community through content via integrated media programs, video services, marketing services, events and event management, custom content, eLearning and market research. NAPCO Media has rapidly expanded its portfolio to include NAPCO Video Services, NAPCO Events, NAPCO Marketing Services and NAPCO Research.