SELF-ADHESIVE LABEL SUITE

XEIKON

the market needs
DIGITAL PRODUCTION

Product variety is rapidly increasing due to the growing demand for customization and versioning. To succeed, brands and retailers must cater to an increasingly diverse customer base, producing versions targeted to specific geographic, demographic, and psychographic groups. Brand owners want to take advantage of seasonal or event-related offerings and test marketing, while product life cycles in general continue to shorten. In an effort to lower capital requirements, producers and retailers have taken to reducing their stock, adopting just-in-time inventory policies. Also, with brands competing fiercely for market share, and counterfeiting a growing problem, there is a need for the packaging – and therefore the labels – to be more eye-catching and sophisticated than ever.
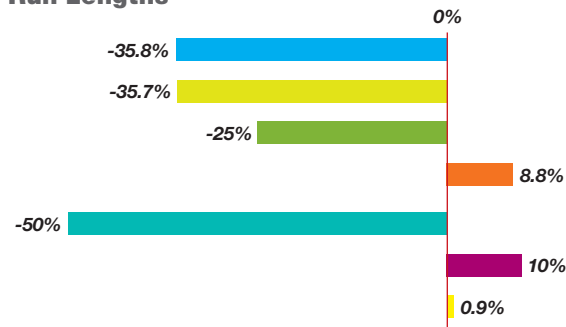
BETTER, CHEAPER, FASTER

As a result of all this, label printers and converters have had to accommodate a proliferation of SKUs, increasingly complex jobs, ever-shorter runs, and faster turnaround times. This is becoming too tall an order for conventional technologies. Shorter runs mean more frequent make-readies of presses and finishing equipment, which is cumbersome, time-consuming, and expensive. Digital printing, however, can overcome these limitations like no other technology can: By nature it offers unlimited variability. Not only is it uniquely suited to the production of multi-version labels, the absence of set-up costs also makes it ideal for cost-effective short to medium runs. And last but not least, it can meet the highest quality standards.
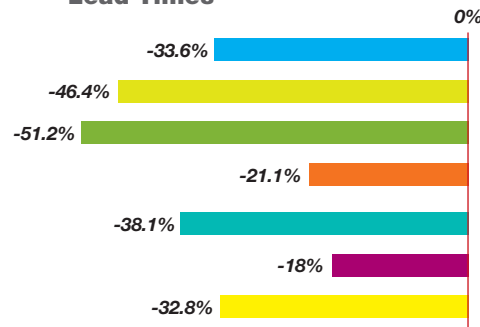
PUSHING BOUNDARIES

Because digital printing is capable of meeting most, if not all, of the market requirements while maintaining profitability, it is a great complement to flexo, letter press and offset printing, but its real potential is bigger than that. Indeed, although there are huge benefits to be gained from integrating a digital press in a conventional workflow in order to reduce the costs of shorter, more targeted runs, digital printing really comes into its own in an automated workflow, combined with digital finishing equipment. Integrated digital production solutions provide you with access to a host of new business opportunities, making the most of full personalization, just-in-time production, web-to-print, and so on. Whatever level of integration you want, digital production is the way to go.
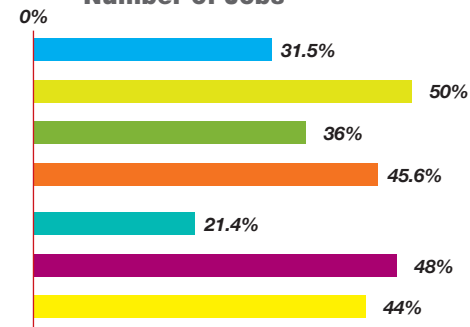
Source: drupa Global Trends February 2014, Global conventional print trends. Reductions in run lengths and lead times and a growing number of jobs for most printers.

Run Lengths

Region	Value
Europe	-35.8%
North America	-35.7%
Latin America	-25%
Africa	8.8%
Oceania	-50%
Middle East	10%
Asia	0.9%

Lead Times

Region	Value
Europe	-33.6%
North America	-46.4%
Latin America	-51.2%
Africa	-21.1%
Oceania	-38.1%
Middle East	-18%
Asia	-32.8%

Number of Jobs

Region	Value
Europe	31.5%
North America	50%
Latin America	36%
Africa	45.6%
Oceania	21.4%
Middle East	48%
Asia	44%

Legend: Europe | North America | Latin America | Africa | Oceania | Middle East | Asia

digital label production?
CHOOSE XEIKON

When it comes to meeting the requirements of self-adhesive label printers and converters, digital technology beats all others. But different end-use applications have different needs. And there is no one-size-fits-all digital solution for label production. Dry toner electrophotography and UV inkjet each have their own merits, but now here's the good news: with our Self-Adhesive Label Suite you can combine both in one integrated workflow!

DRY TONER?

A digital alternative to offset and flexo, dry toner electrophotography is arguably the most stable and reliable digital printing process around. By design it allows for accurate dot positioning and dot size control, enabling high-resolution printing of photorealistic images and extremely fine details, features appreciated by a whole host of market segments (health and beauty, beverages, et cetera.). When it comes to food safety, dry toner technology is unbeatable. Because dry toner prints are food safe and odorless, they are a perfect match for the food industry. Dry toner is compatible with some very challenging substrates, such as textured natural paper, which means it can print the most exquisite wine and spirits labels. And finally, the pharmaceuticals sector benefits from the many security features dry toner electrophotography is able to offer.

...OR INKJET?

UV inkjet, in turn, is the digital alternative to UV flexo and screen printing and a natural complement to electrophotography. While few inkjet technologies offer resolutions as high as those achieved by dry toner electrophotography, inkjet intrinsically enables faster printing. It also has interesting esthetic and functional features: UV inkjet produces an extremely smooth and high-gloss surface that makes solid colors pop and enables you to create 3D-textured effects. Not only is it waterproof, it is also second to none when it comes to resistance to scuffing and scratching, soap, chemicals, and heat. These properties explain why UV inkjet has gained a firm foothold in the health and beauty market and why it is the technology of choice for durable labels on household and industrial chemicals or for industrial labels on all sorts of tools and equipment.

ONE-STOP SOLUTION

Dry toner or inkjet? Why choose when you can have both? This Self-Adhesive Label Suite lets you build an all-in-one solution to produce ready-to-use self-adhesive labels for whatever end use you or your customers desire. It includes one or more Xeikon digital color presses as well as a dedicated workflow, online and/or offline pre- and post-printing equipment, and consumables. All these components have been designed and fine-tuned to work seamlessly together. Not only do we take care of their sourcing, we also offer worldwide servicing and maintenance.
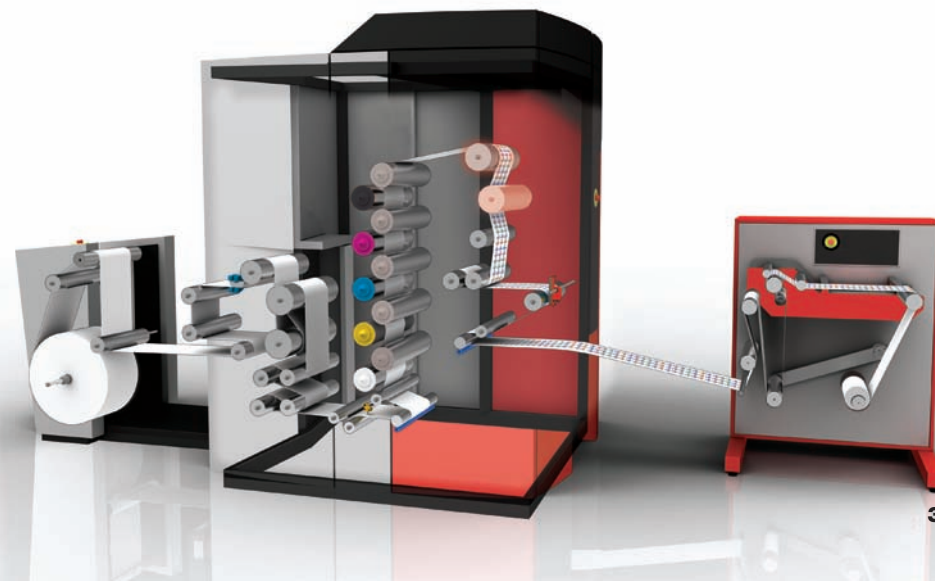
a range of
HIGH-PERFORMANCE DIGITAL PRESSES

When it comes to choosing a press, you're spoilt for choice. Our Xeikon 3000 Series features five models with different maximum printing speeds and imaging widths, enabling you to upgrade as your business grows or changes. And then there's the Cheetah Series, the fastest and most productive digital five-color label presses on the market in the top-quality range. Fancy a UV inkjet? Our Panther Series offers all you need! Take your pick.

PHOTOREALISTIC QUALITY AND BEST-IN-CLASS PRODUCTIVITY

Our digital dry toner presses are packed with features to produce the most vibrant high-definition images, smooth tone transitions, and minute details on a wide range of substrates. The optional Alpine fuser drum has been developed especially to help produce smooth and consistent print on uneven and textured media, e.g. on structured wine labels. At press start-up and throughout print runs, an inline spectrophotometer automatically controls and adjusts toner density and color register, ensuring uniform and accurate colors and color consistency – not only across a page and from page to page, but also between jobs and across presses. It also allows you to make any necessary adjustments on the fly, without interrupting the print job, helping you to maintain productivity.

OUTSTANDING PERFORMANCE AND LONG-LASTING DURABILITY

The Xeikon PX3000 and PX2000 are identical twins apart from their imaging width. Printing at a top speed of 50 m/min (167 ft/min), these compact UV inkjet presses offer nothing less than industry-leading performance. Their Kyocera 600 dpi print heads are equipped with an ink circulation system to prevent nozzle clogging, while automatic cleaning and maintenance routines keep the heads in top condition. The result: Flawless prints, less waste, and greater efficiency. The ink is cured using a patented concept, a combination of LED and mercury, the exact proportions of which are determined automatically depending on the ink coverage and substrate. This carefully selected combination achieves optimal curing, resulting in the best possible visual quality and durable, long-lasting labels.

UV Inkjet label presses, narrow web

	XEIKON PX2000	XEIKON PX3000
PROCESS	Piezo DOD UV inkjet, LED- and mercury-cured	
COLOR CONFIGURATION	4 or 5 simplex (CMYK or CMYK+white)	
ADDRESSABILITY AND GREY LEVELS	600 x 600 dpi and 4 grey levels	
PRINT MEDIA WIDTH	200-350 mm (7.9"-13.8")	
IMAGING WIDTH	220 mm (8.7")	330 mm (13.0")
REPEAT LENGTH	0-55 m (0-180 ft)	
MAXIMUM PRINT SPEED	50 m/min (164 ft/min)	
PRESS THROUGHPUT	660 sqm/hr (1018 MSI/hr)	990 sqm/hr (1527 MSI/hr)
INK	PantherCure UV inks	
EMBEDDED CONTROLS	Web cleaning, corona treatment, splice tables, active web alignment, digital microscope (register verification), anti-static bar	
CUTTER	Not available	
ON-SITE UPGRADABILITY	From 4 to 5 simplex	

Dry toner label presses, narrow web

	XEIKON 3030	XEIKON 3030Plus	XEIKON 3300	XEIKON CX3
PROCESS	Full-rotary, LED-array-based, dry toner EP			
COLOR CONFIGURATION	5 simplex (CMYK + white or spot color)			
ADDRESSABILITY AND BIT DEPTH	1200 x 3600 dpi with 4-bit variable dot density			
PRINT MEDIA WIDTH	200-330 mm (7.9"-13.0")			
IMAGING WIDTH	322 mm (12.7")			
REPEAT LENGTH	0-55 m (0-180 ft)			
MAXIMUM PRINT SPEED	9.6 m/min (31.5 ft/min)	15 m/min (49.2 ft/min)	19.2 m/min (63 ft/min)	30 m/min (98 ft/min)
PRESS THROUGHPUT	190 sqm/hr (294.5 MSI/hr)	297 sqm/hr (460 MSI/hr)	380 sqm/hr (589 MSI/hr)	594 sqm/hr (920 MSI/hr)
TONER	QA-I or ICE toner	QA-I or ICE toner	QA-I or ICE toner	Cheetah toner
EMBEDDED CONTROLS	Inline spectrophotometer (density and register), active web alignment, IR and US sensors			
CUTTER	Optional	Optional	Optional	Not available
ON-SITE UPGRADABILITY	Xeikon 3030Plus Xeikon 3050 Xeikon 3300 Xeikon 3500	Xeikon 3050 Xeikon 3300 Xeikon 3500	Xeikon 3500	

Dry toner label presses, wide web

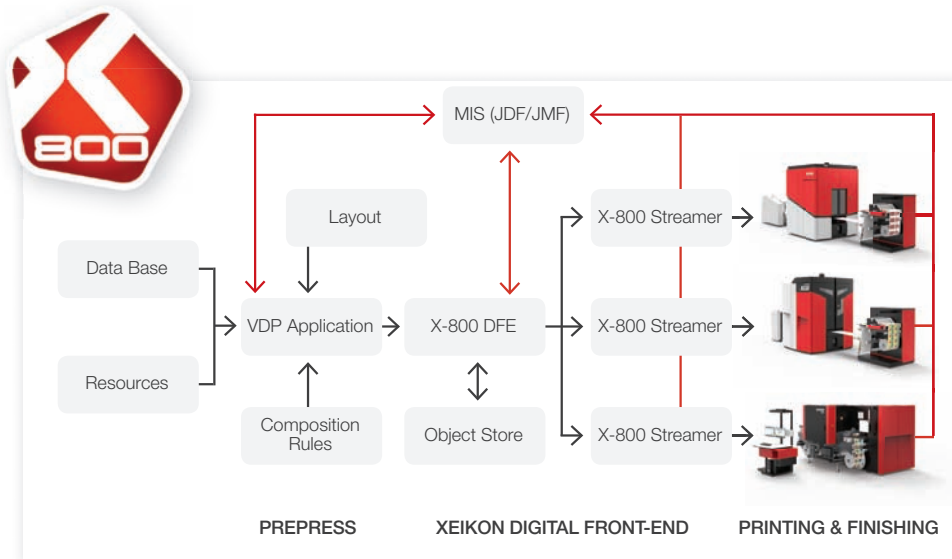|	XEIKON 3050	XEIKON 3500	XEIKON CX500
PROCESS	LED-array-based, dry toner EP		
COLOR CONFIGURATION	5 simplex (CMYK + white or spot color)		
ADDRESSABILITY AND BIT DEPTH	1200 x 3600 dpi with 4-bit variable dot density		
PRINT MEDIA WIDTH	250-516 mm (9.8"-20.3")		
IMAGING WIDTH	508 mm (20.0")		
REPEAT LENGTH	0-55 m (0-180 ft)		
MAXIMUM PRINT SPEED	9.6 m/min (31.5 ft/min)	19.2 m/min (63 ft/min)	30 m/min (98 ft/min)
PRESS THROUGHPUT	297 sqm/hr (460 MSI/hr)	594 sqm/hr (921 MSI/hr)	936 sqm/hr (1443 MSI/hr)
TONER	QA-I or ICE toner	QA-I or ICE toner	Cheetah toner
EMBEDDED CONTROLS	Inline spectrophotometer (density and register monitoring), active web alignment, IR and US sensors		
CUTTER	Optional	Optional	Not available
ON-SITE UPGRADABILITY	Xeikon 3500		

a dedicated
DIGITAL WORKFLOW

Digital label production is more than just printing. In order to reap the benefits you need to get the job done with minimal effort, as efficiently and cost-effectively as possible. A dedicated workflow that offers you the tools to maximize your productivity while minimizing downtime and material waste, ensure quality consistency, and generally monitor your operations is therefore a must-have. And no matter what you choose – dry toner, UV inkjet or both – that is exactly what you will get.

XEIKON X-800: A POWERFUL DIGITAL FRONT-END

At the heart of this label production workflow is our X-800 digital front-end, the result of years of continuous improvement and innovation. Developing the press as well as the software is a deliberate choice. Being able to directly access the hardware of the press enables us to implement closed-loop quality control, i.e. the measurements taken by any of the press' sensors/instruments are fed back to the digital front-end, which can then make any necessary adjustments without interrupting the print job. And because we have control over the hardware, the X-800 offers second-to-none imposition flexibility and variable data applications. And last but not least, we can quickly and more efficiently develop new features to meet our customers' requirements, including yours.

- Seamless integration
  Our proprietary front-end still allows you to enjoy your own trusted workflow and tools, thanks to our focus on industry standards. By design, Xeikon presses can be part of virtually any workflow, and by design, the X-800 can work seamlessly together with your existing workflow and any market-leading third-party applications. By tapping into our worldwide network of Aura Partners (see page x), we can offer integration with design packages or workflow tools, such as dedicated web-to-print applications and management information software (MIS). Xeikon Aura Partners in these areas are industry leaders, such as Adobe, Esko, Kodak, Cerm, and Label Traxx, to name but a few.

- Separate prepress functionality
  The X-800's powerful functions are provided in separate modules. This modular architecture allows you to separate the prepress function from the actual press operation, which greatly simplifies your operators' tasks. Press operators can focus on printing and press maintenance, just like in a conventional workflow.

- Superior productivity, quality, and flexibility
  With the X-800 you benefit from numerous features to minimize downtime and increase productivity while maintaining maximum flexibility and quality. It also ensures that all production data is stored in a database from which you and your operators can readily generate useful reports to analyze your print runs. This database can also be accessed by external management systems.

- Complex variable data and easy metadata addition
  The X-800 combines prepress, data processing, and press operation functionality, enabling you to print all common input files and also easily include even complex variable data. Adding metadata, such as sequential numbers or barcodes to track labeled products or to prevent counterfeiting, is made extremely easy with the X-800.

| PREPRESS | XEIKON DIGITAL FRONT-END | PRINTING & FINISHING |

The modular architecture of the X-800 allows the pre-press functionality to be separated from the press operation, which simplifies your operators' tasks. Thanks to its scalability you can add processing power when needed, so your workflow can grow with your future requirements.

JOBORDER 8 SKU's - Varying Quantity

Label A x 6   Label B x 4   Label C x 10   Label D x 3   Label E x 2   Label F x 15   Label G x 7   Label H x 1   Label x# Start Stop

Labels OnSingleLane — Same Size SKU's

A x 6	B x 4	C x 10
Label A	Label B	Label C
Label A	Label B	Label C
Label A	Label B	Label C
Label A	Label B	Label C
Label A		Label C
Label A		Label C
		Label C
		Label C
		Label C
		Label C

D x 3	E x 2	F x 15
Label D	Label E	Label F
Label D	Label E	Label F
Label D		Label F
		Label F
		Label F
		Label F
		Label F
		Label F
		Label F
		Label F
		Label F
		Label F
		Label F
		Label F
		Label F

G x 7	H x 1
Label G	Label H
Label G	
Label G	
Label G	
Label G	
Label G	
Label G	

Labels OnSingleLane — Same Size SKU's - Sorted

F x 15	C x 10	G x 7
Label F	Label C	Label G
Label F	Label C	Label G
Label F	Label C	Label G
Label F	Label C	Label G
Label F	Label C	Label G
Label F	Label C	Label G
Label F	Label C	Label G
Label F	Label C	
Label F	Label C	
Label F	Label C	
Label F		
Label F		
Label F		
Label F		
Label F		

A x 6	B x 4	D x 3
Label A	Label B	Label D
Label A	Label B	Label D
Label A	Label B	Label D
Label A	Label B	
Label A		
Label A		

E x 2	H x 1
Label E	Label H
Label E	

Labels OnSingleLane — Same Size SKU's - Optimized

F x 15	C x 10	G x 7
Label F	Label C	Label G
Label F	Label C	Label G
Label F	Label C	Label G
Label F	Label C	Label G
Label F	Label C	Label G
Label F	Label C	Label G
Label F	Label C	Label G
Label F	Label C	A x 6
Label F	Label C	Label A
Label F	Label C	Label A
Label F	B x 4	Label A
Label F	Label B	Label A
Label F	Label B	Label A
Label F	Label B	Label A
Label F	Label B	D x 3
H x 1	E x 2	Label D
Label H	Label E	Label D
	Label E	Label D

VariLane — Different Size SKUs & Lengths

Label A	Label C	
Label A	Label C	Label I
Label A	Label C	
Label A	Label C	Label I
Label A	Label C	
Label A	Label C	Label I
Label A	Label C	
Label A	Label C	Label I
Label A	Label C	Label I
Label A	Label C	Label I
Label A	Label C	
Label A	Label C	Label I
Label A	Label C	
Label A	Label C	Label I
Label A	Label C	
Label A	Label C	Label I
Label A	Label C	
Label A	Label C	Label J
Label A	Label C	
Label A	Label C	Label J
Label A	Label C	
Label A	Label C	Label J
Label B	Label C	
Label B	Label C	Label J
Label B	Label C	
Label B	Label C	Label J
Label B	Label C	
Label B	Label C	Label J

PROFIT
Reduce printing time
Optimize material usage

PROFIT
Reduce printing time
Optimize material usage

IMPROVED PRODUCTIVITY AND REDUCED WASTE

With the powerful Post-RIP imposition function, a standard feature of the X-800, the design of each reference element needs to be RIP'd only once, after which it can be "stepped on the web" over and over again, drastically reducing the RIP time.

There are also several plug-ins available to further optimize your productivity and to minimize your waste.

- **Job Optimizer**
  For the production of labels that have an identical size but vary in quantity, Xeikon Job Optimizer enables you to create imposition schemes that make best use of the available surface of the label stock, while reducing the print time of each run. The optimal positioning of the labels along the web roll is calculated automatically. With Job Optimizer, you can also insert start & stop separator labels to keep the different SKUs separate and facilitate the conversion process.

- **VariLane**
  Xeikon VariLane is the culmination of several years of research and development, including substantial input from our customers about the challenges associated with meeting the demand for growing numbers of SKUs. It goes one step further than Job Optimizer. With VariLane, labels of different sizes or shapes can be simultaneously printed in parallel lanes. As a result, the label stock is used more efficiently. Moreover, combining different jobs in the same print run maximizes your efficiency and productivity.

- **Vectorizor**
  Vectorizor makes fully automated digital label production possible, but even if you prefer to convert offline, it will prove its worth. This plug-in drives the digital cutter, e.g. a laser die-cutter or digital cutting table. Previously, a digital cutter had to stop after each job, load the new die-cut file and verify that all is correct. With Vectorizor all this happens on the fly, so different jobs can be completed in a single pass, without interruption.

COST-EFFECTIVE AND POWERFUL COLOR SERVICES

Integrated into the X-800 are all the necessary tools to efficiently implement color management, ensuring consistent and reproducible results. In addition, you have access to four other optional tools.

- **ColorControl**
  One of our color management tools is Xeikon ColorControl, an extremely user-friendly cloud application that allows you to profile not only your Xeikon press, but any print device in your production environment, e.g. flexo or offset presses. It generates a color library for the accurate simulation of spot colors and it makes the simulation of industry standards possible. ColorControl offers you access to advanced color management without the need to invest in specialist knowledge and expertise.

- **ColorKey***
  This tool enhances the use of the spectrophotometer, enabling you to measure the Lab value of a specific color or to monitor any deviations from a preset standard throughout the print run. ColorKey also offers you and your press operators access to clear reports, analyzing and mapping each production run.

- **ColorMagic**
  When printing self-adhesive labels on a transparent or metallic substrate, a white background layer is added to mask the color from the background. Traditionally, this layer is created manually during prepress for every single input file. Based on customer input, we have developed a tool that generates this layer automatically: Xeikon ColorMagic, available as an add-on to the X-800 digital front-end.

- **ColorForecast**
  This offline tool tells you how well your Xeikon press will reproduce a certain spot color, e.g. Pantone©, RAL, or any brand color, using a given combination of toner, varnish, and substrate. There is no need to actually print any samples: Based on the calculated delta E, you or your clients can decide whether the forecast is an acceptable match. Xeikon ColorForecast also suggests improvements, if there are any, e.g. alternative substrate, color combination, etc.

* For Xeikon digital dry toner presses only

application-tuned
TONERS AND INKS

Both our dry toners and our UV inks are the result of market-driven research, ensuring they are continually improved and fine-tuned to meet the requirements of specific label market segments. The Xeikon 3000 Series comes with our proprietary QA-I toner or ICE, its variant for heat-sensitive materials, while the Xeikon CX3 and CX500 run on an ICE technology-based toner, Cheetah toner*. The Xeikon PX3000 and PX2000 use PantherCure UV inks*. All offer you a unique combination of benefits, excelling in terms of quality and performance.

TONERS DEVELOPED IN-HOUSE

Our application-tuned dry toners offer the best image stability and reliability around, while making the most of the presses' 1200 dpi resolution. And because they have been developed with the requirements of the label market in mind, they achieve the best combination of lightfastness ratings for process colors and standard spot colors, when compared with all other digital label printing technologies available. Moreover, they can be used on most conventional label stock without any pretreatment (see page x) and come in a wide range of colors. Our white toners achieve better opacity than "flexo white," with one layer only. QA-I, ICE and Cheetah toners are food-approved**, odorless, and operator- and environmentally-friendly.

DEDICATED UV INKS

Like our dry toners, PantherCure UV inks have been developed to produce eye-catching, durable labels. Because PantherCure UV inks do not require intermediate pinning, your prints will shine with a uniform gloss, even when color densities vary, resulting in images pleasing to the eye. And like our dry toners, they score high on the Blue Wool Scale and can be used on a wide variety of conventional substrates (see page x). In a single pass they produce an opaque white layer that can stand comparison with a screen-printed one. Their glossy, highly tactile prints offer unbeaten resistance to scuffing and scratching, heat, water, and chemicals.

	QA-I, ICE AND CHEETAH TONER	PANTHERCURE UV INK
SUBSTRATE INTERACTION		
PAPER		
ADHESION	✓	Depends on porosity
NO PIGMENT PENETRATION	✓	Primer needed
SYNTHETIC		
ADHESION	✓	OK, if substrate surface energy OK
NO PIGMENT PENETRATION	✓	
COLORS		
STANDARD PROCESS COLORS	CMYK	CMYK
OFF-THE-SHELF SPOT COLORS	Blue, Green, Red, Orange, ExtraMagenta, SuperBlack	-
CUSTOM SPOT COLORS	On request	-
TECHNICAL COLORS	White, Clear, Taggant	White
CREATIVE COLORS	MatteSilver, PalladiumSilver	-
LOOK & FEEL		
GLOSS IMPRESSION ON MATTE SUBSTRATES	Satin	Glossy
TACTILITY (3D TEXTURE)	Medium	Medium-high
OPACITY		
WHITE (SINGLE PASS)	+++	++++
DURABILITY		
LIGHTFASTNESS	Blue Wool Scale > 6 (all process colors)	Blue Wool Scale > 6 (all process colors)
SCUFF AND SCRATCH RESISTANCE	Moderate, UV varnish needed	✓✓
HEAT RESISTANCE	NOK, lamination needed	✓✓
WATER RESISTANCE	✓ ✓	✓✓
CHEMICAL RESISTANCE	Vulnerable, lamination needed	✓✓
SUSTAINABILITY		
CHEMICAL WASTE	✓	Rinsing and flushing waste
OPERATOR-FRIENDLINESS	✓	OK, strong ozone filter required and UV light shielding
FOOD COMPLIANCY	Meeting FDA regulation and Nestlé guidlines for food contact (ISEGA approved)	Inherently difficult

*   The Xeikon CX3 and Xeikon CX500 are based on the Cheetah platform, from which the toners used by these presses take their name. The Xeikon PX3000 and PX2000 are based on the Panther platform, our UV inkjet technology, hence the name of our UV inks.
** All process colors and off-the-shelf spot colors of QA-I, ICE and Cheetah toner comply with FDA guidelines for indirect food contact where the packaging material acts as a functional barrier to the migration of toner.
*** For gamut expansion

FEEDING AND FINISHING

With our Self-Adhesive Label Suite comes a range of auxiliary equipment, such as print medium supply units, rewinders, buffers, and varnishing and die-cutting stations, to support productive and cost-effective roll-to-roll self-adhesive label production.

PRINT MEDIUM SUPPLY (PMS)*

Our input module is available in two sizes: PMS and PMS Large. The standard Xeikon PMS model holds rolls of label stock of up to 100 kg (220 lb) with a diameter of up to 600 mm (23.6"). For larger production volumes, our PMS Large can handle rolls of up to 600 kg (1320 lb) with a maximum diameter of 1500 mm (59.1"). These PMS units are fully integrated with the press, i.e. the X-800 knows at any time how much label stock is left on the PMS.

WEB VARNISHING MODULE (WVM)*

Flood or spot, the choice is yours. This finishing module applies a UV flood or spot varnish on a wide range of self-adhesive label stock. It runs inline at full press speed and the varnish roller can be changed easily to match the repeat length or width of the print job. Also, your operator can judge quality and color immediately and make any necessary changes on the fly. In combination with VariLane, this Xeikon WVM really comes into its own: One roller suffices to apply varnish over the full width of the web, finishing labels of different sizes in one go. On an offline varnishing station you would have to swap rollers to match the size of the labels.

PRINT MEDIUM REWINDER (PMR)*

You have a choice of two types of rewinders: a PMR and a PMR Large. Our standard rewinders (PMR) are adapted for print media widths of up to 516 mm (20.3") and are available with two independent spindles. They are also equipped with either a crush or a razor slitting box. The Xeikon PMR Large has one spindle and produces reels of up to 1000 mm (39.4") in diameter. It can be equipped with optional slitting functions.
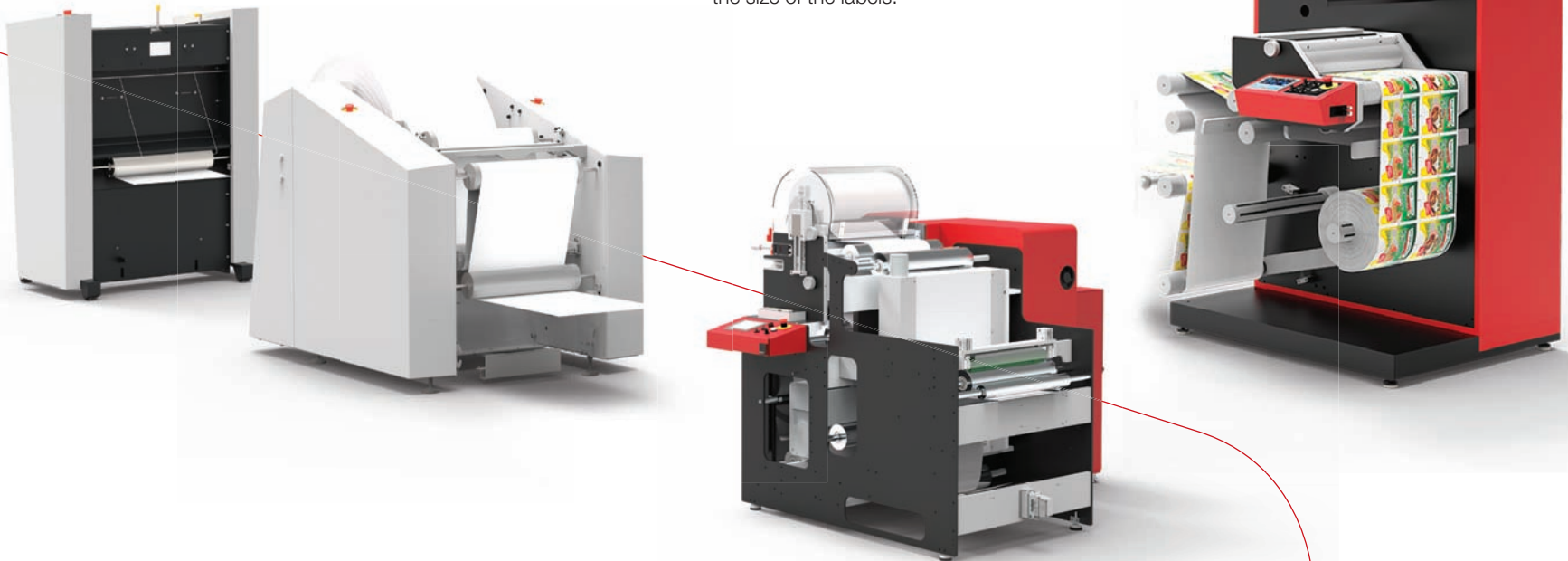
DCOAT SERIES**

The Xeikon DCoat Series is a range of fully integrated label conversion lines for inline and offline use. The DCoat features UV flood varnishing, lamination, die-cutting, backscoring, length slitting, and a dual spindle rewinder. It comes in two widths, 330 mm (13.0") and 516 mm (20.3"), to accommodate the different models of Xeikon label presses. Optional modules include spot varnishing, corona treatment, GapMaster, and alternative rewinders or slitters. The more compact version, the miniDCoat, features UV flood varnishing, die-cutting, length slitting, and a dual spindle rewinder. A lamination or spot varnishing module can be added as an option. When using your DCoat or miniDCoat inline with your press, a buffer between your press and this conversion module ensures uninterrupted operation.

LASER DIE-CUT UNIT (LDU)**

The Xeikon LDU is a fully integrated label conversion solution for inline and offline use, ideally suited for shorter runs. With a web width of up to 330 mm (13.0") and a maximum speed of 30 m/min (90 ft/min), this compact unit is compatible with all Xeikon narrow-web label presses. It features UV flood varnishing, laser die-cutting, lamination, length slitting, and a dual spindle rewinder. Options include spot varnishing and alternative rewinders or slitters. Using the optional Xeikon X-800 Vectorizor plug-in to drive the laser die-cutter, it enables fully automated label production, completing different jobs in a single pass, without interruption.

Together with our Aura Partners, we also offer additional auxiliary equipment to enhance the standard solution, allowing you to further customize your Suite.
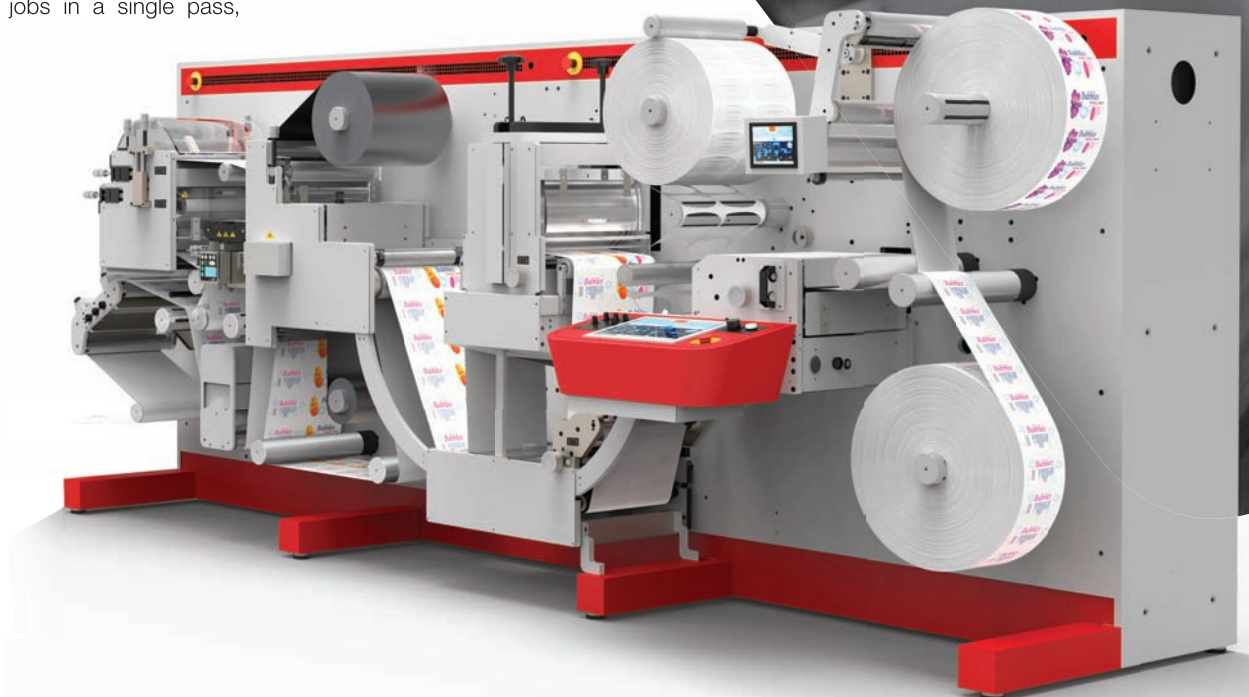
*   *For Xeikon digital dry toner presses only*
** *To be used offline when combined with the Xeikon PX3000 or PX2000*

unbeaten
PRINT MEDIA FLEXIBILITY

With our Self-Adhesive Label Suite, you enjoy unbeaten print media flexibility in terms of format, weight and type. All Xeikon label presses can print on scalable widths and an impressive range of conventional label stock.

CHOOSE FROM A WIDE RANGE OF TYPES, WEIGHTS, AND CALIPERS

All Xeikon label presses can handle self-adhesive labels with a variety of facestocks from paper to film. Unlike other digital technologies, Xeikon dry toner electrophotography can print on most conventional label stock without any pretreatment*, yielding excellent results even on the porous and/or structured paper labels typically used for wines and spirits.

When printing on paper stock, UV inkjet technology, by nature, requires priming to avoid pigment penetration and to optimize curing and adhesion. Either priming or the use of special preconditioned UV inkjet label stock optimizes your color gamut and makes a world of difference to the color vibrancy, uniformity and sharpness of your prints!

PRINT MEDIUM FILES ENSURE OPTIMAL PRINT QUALITY

We don't need to tell you that the substrate has a huge impact on the quality of the print. So, to help you get the most out of your Xeikon label press, we have developed print medium files for a wide range of substrates. A print medium file contains a set of substrate-dependent press parameters and settings. Since the launch of the first Xeikon press, we have been continually developing and extending our print media database. In close collaboration with our print media partners, we have qualified a selection of high-quality substrates, enabling us to offer print medium files for the most common grades, across the full spectrum of substrates. All these files are available for downloading from the print media section at www.xeikon.com.

	XEIKON 3000 SERIES, CHEETAH SERIES	PANTHER SERIES
PRINT MEDIA	Coated and uncoated paper, BoPP, oPP, PP, PE**, co-extruded film, PET, and PVC	Coated and uncoated paper, PP, PE, PET, PVC
PRINT MEDIA WEIGHT	40-350 gsm (27 lb text – 122 lb cover)	60-350 gsm (40 lb text – 122 lb cover)
PRINT MEDIA THICKNESS (CALIPER)	40-550 µm (1.6 mil – 21.7 mil)	90-350 µm (3.5 mil – 13.8 mil)

*   Specific materials like metallic and vinyl substrates require a standard coating for digital print media

** Printable with ICE only

tailored to your needs
BUILDING BLOCKS FOR A TOTAL SOLUTION

ONE PRESS, FOUR SUPPORTING COMPONENTS

We have been offering solutions for self-adhesive labels since 1993, but have stepped up our focus on label applications in recent years. This is apparent in our approach, which has earned us a leading position in this market. We develop state-of-the-art digital color presses to enable you to print great designs, but there is more to digital label production than that. Which is why we have gone one step further: We offer you a suite – a carefully selected and thoroughly tested combination of equipment, technologies, and capabilities, enabling you to produce not only head-turning prints, but also fully finished labels.

Like our other application-specific suites, this Self-Adhesive Label Suite is built around one or more Xeikon digital color presses. In addition, there are four supporting components: (1) Workflow software (see page 6), (2) print media (see page 14), (3) consumables and tools, such as our proprietary toners and dedicated UV inks (see page 10), varnishes, die-cut plates, and tooling for lamination and embossing, and (4) pre- and post-printing equipment (see page 12). These components are either developed in-house or offered by Xeikon Aura Partners.

OUR AURA PARTNER NETWORK

Over the years, we have built an extensive network of specialist partners, grouped under the Xeikon Aura umbrella, enabling us to offer integrated customized solutions. This saves you time and effort trying to source all the components yourself. It also gives you peace of mind, safe in the knowledge that all these components have been validated and approved. And our network keeps on growing. An up-to-date overview of all Xeikon Aura Partners can be found at www.xeikon.com. Some of the Aura Partners involved in the development of the Self-Adhesive Label Suite are listed in the table opposite.

| WORKFLOW SOFTWARE	PRINT MEDIA	CONSUMABLES AND TOOLS	EQUIPMENT
Adobe, CMI, Pantone, Cerm, Esko, Hybrid Software, Label Traxx, Advanced Track & Trace, Color-Logic, Enfocus, Kodak, LVS, Prooftag, CHILI Publish, OneVision Software, Agfa, Four Pees, Prisme Technologies	Avery Dennison, Herma, 3M, FLEXcon, MACtac, Manter, Ritrama, Bakers, CPD, Green Bay Packaging, Intercoat, Smith & McLaurin, UPM Raflatac, Technicote, LINTEC	Flint Group, ACTEGA, Rotometrics, UVS, Wink, BrandWatch Technologies, Schmid Rhyner AG	GM, A B Graphic International, SEI Laser, SMAG, Spartanics, Cartes, Meech, AVT

Xeikon Aura

choose your own
CONFIGURATION

Inline or offline finishing, the choice is yours. Our Self-Adhesive Label Suite lets you build a variety of configurations, four of which are shown here. Depending on your requirements, you can add other auxiliary equipment to build your own configuration guided by our Solutions and Premium Services team.
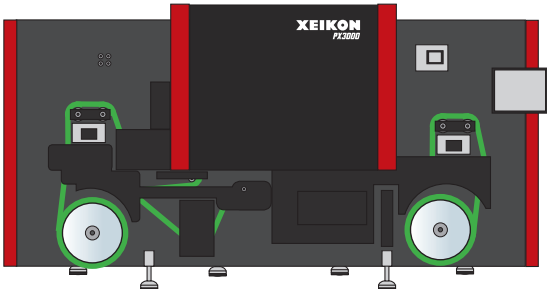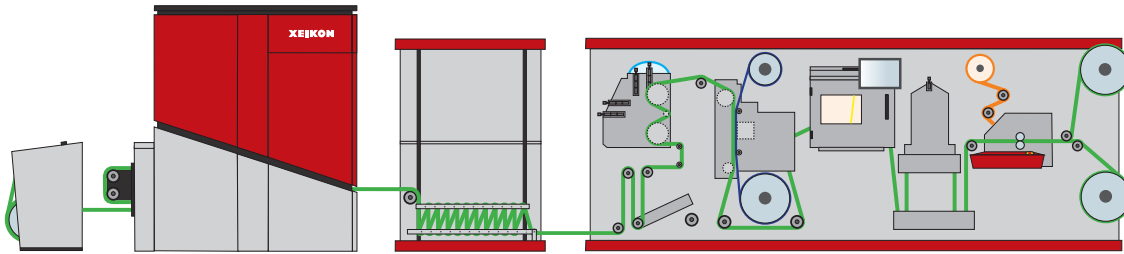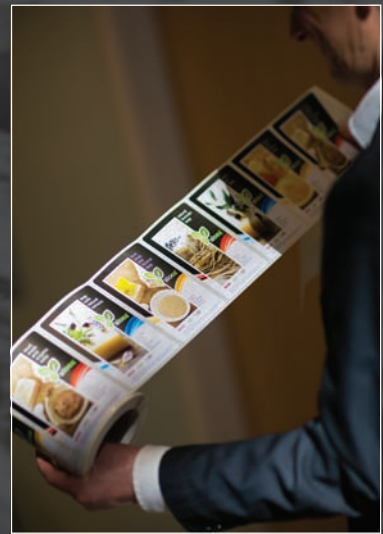

Xeikon PX3000
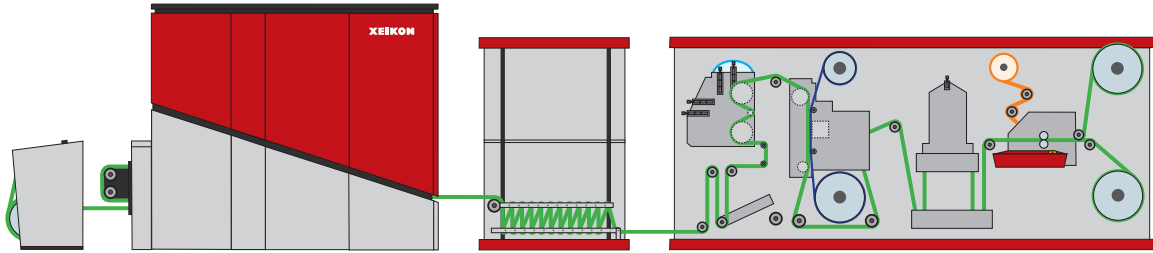
PMS - Xeikon CX500 - Buffer - DCoat
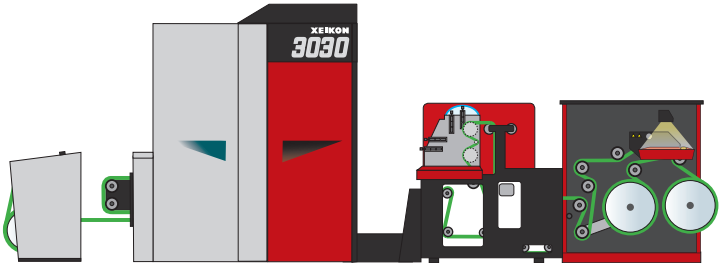
PMS - Xeikon 3030 - WVM - PMR

PMS - Xeikon CX3 - Buffer - DCoat with Laser

XEIKON

SEE THE PROOF

How would digital production work for you? Seeing is believing. Get your digital print samples.

Visit www.seetheproof.com

ABOUT XEIKON

Xeikon, a division of Flint Group, is a long-standing leader and innovator in digital printing technology. Grounded in the principles of quality, flexibility and sustainability, Xeikon designs, develops and delivers web-fed digital colour presses for label and packaging applications, document printing, and commercial printing. These presses utilise different imaging technologies, open workflow software and application-specific consumables.

As an OEM supplier, Xeikon also designs and produces plate makers for newspaper printing applications. In addition, Xeikon manufactures basysPrint computer-to-conventional plate (CtCP) solutions for the commercial offset printing market. For the flexographic market, Xeikon offers digital platemaking systems under the ThermoFlexX brand name. ThermoFlexX systems provide high-resolution plate exposure combined with unique plate handling, flexibility and unmatched productivity

In 2015, Xeikon joined Flint Group to create a new "Digital Printing Solutions" division for the leading global print consumables and solution provider to the packaging and print media industries. Flint Group develops and manufactures an extensive portfolio of printing consumables. These include a vast range of conventional and energy-curable inks and coatings, pressroom chemicals, printing plates and equipment, printing blankets and sleeves, and pigments and additives for use in inks and other colorant applications. Headquartered in Luxembourg, Flint Group employs some 7900 people. On a worldwide basis, the company is the number one or number two supplier in every major market segment it serves.

For more information,
visit www.xeikon.com

direct. dedicated. digital.