



ONLY THE BEST IS GOOD ENOUGH

The X-800 has the best there is to offer in terms of quality, no matter how you look at it.

Dry toner electrophotography

Engineered to perfection, the electrophotographic imaging process remains the quality and reliability standard in digital colour printing.

True 1200 dpi imaging quality

There is one specific LED for every 21 micron width of the paper, optimally conditioned and perfectly calibrated. Each LED can be addressed with 4 bits of information. The combination of real 1200 dpi and 4 bit makes this imaging technology unique. X-800 offers the exceptional sharpness essential for today's demanding customer.

Refined screening library

To exploit the 1200 dpi to the full extent X-800's specialists designed the Pericles, a set of four different screenings, allowing screen rulings of up to 240 lpi. This way you can reach a higher level of quality with your X-800.

Colour consistency

Two in-line densitometers and high-performance process algorithms provide uniform and accurate colours. Press-to-press linearization, even for presses in different locations is guaranteed. X-800 assures the perfect colour consistency over time and in-between presses you need. What's more, the X-800 running the X-800 PA-toner is Pantone certified (pending).

Front-to-back registration

The renowned One-Pass-Duplex™ concept enables perfect registration and simultaneous double-sided printing, ensuring data integrity which is crucial for documents containing critical financial information.

But forget the numbers, be your own judge.

ACCELERATED PERFORMANCE

In its class of graphic arts printing quality there is no other printing press that offers you the same level of productivity.

Web fed press

Like all X-800 presses, the X-800 is a high-speed web-fed digital colour press created for profitable printing. Reducing your production costs and time is our primary concern.

Astonishing printing speed

The X-800 prints multi-page documents at an impressive speed of 230 A4 pages per minute, which translates into 244 letter size pages per minute and a duty cycle of 8,5 million A4 pages per month.

Unparalleled uptime

Speed alone is not enough to upgrade your productivity. The robust parts combined with X-800's long-time experience and the best designers in the field result in a superior uptime of over 90% for real volume applications.

Transcend the limits of your production capacity and streamline your workflow with the X-800.



ATTRIBUTES OF XEIKON 8000

- The X-800 employs optimized dry toner electrophotography, which is proven to be the most robust digital printing process, engineered to perfection.
- The high-precision LED-based imaging head, featuring true 1200 dpi in 4 bits per spot generates extraordinary image quality output.
- X-800 developed a refined screening library to exploit 1200 dpi imaging to the fullest extent.
- At up to 230 A4 pages per minute the X-800 is unmistakably the fastest full-colour digital press printing graphic arts quality.
- Two inline densitometers and high-performance process algorithms vouch for consistent and accurate colours.
- X-800's state-of-the-art X-800 digital front-end with optional IPDS full-colour controller is designed to streamline your workflow; it will keep up with the printing speed of the press.
- The unique and patented One-Pass-Duplex™ technology allows simultaneous double-sided printing, thus guaranteeing data integrity.
- Enhanced X-800 PA-toner, optimized in terms of cost and speed.

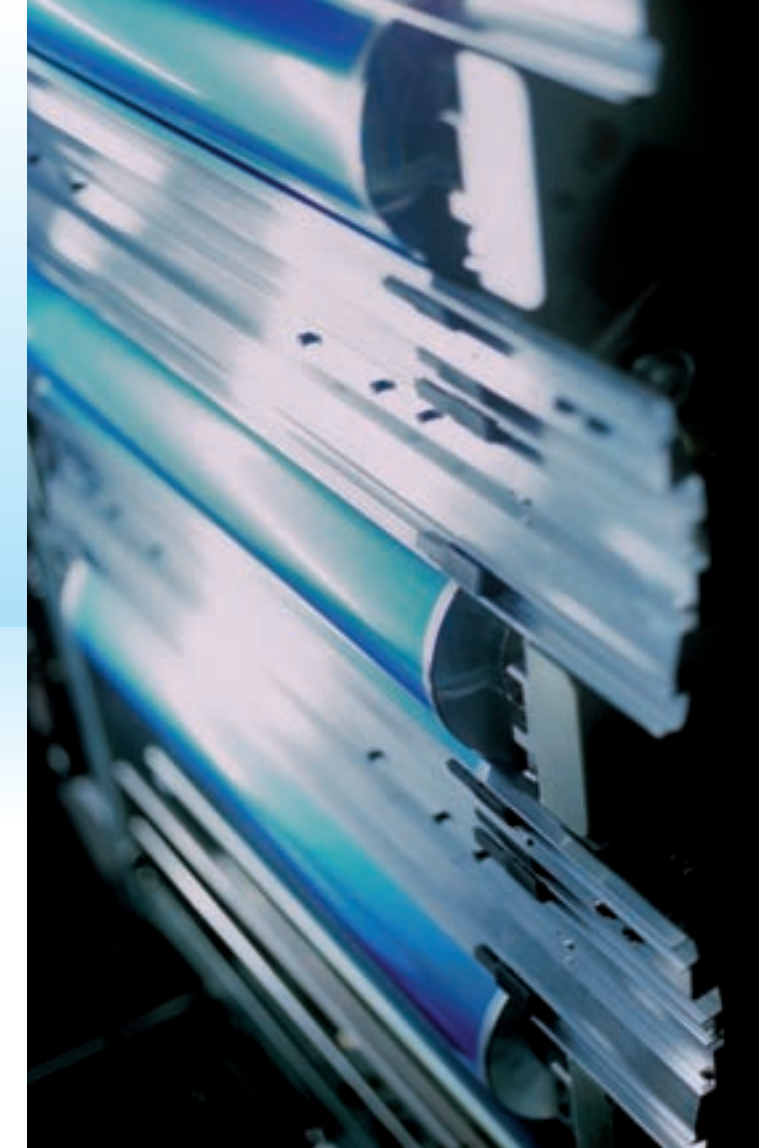
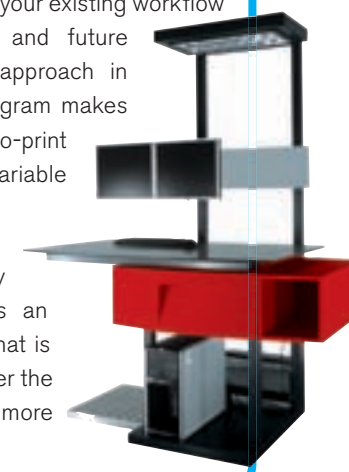
X-800 DIGITAL FRONT-END

X-800's long history in the development of digital workflows becomes clearly visible in the latest generation of our X-800 front-end.

Fast and intelligent. Thanks to X-800's focus on industry standards, the X-800 enables the implementation of fully automated workflows while ensuring great operator flexibility. X-800's own unequalled streaming technology guarantees top-notch performing throughput, while the integrated engine controller takes care of continuous output quality.

Open and transparent. Because of its unique features the X-800 can be seamlessly integrated within your existing workflow and grow, depending on your current and future requirements. A modular and scalable approach in combination with a workflow partners program makes sure it fits in small environments with web-to-print solutions, as well as in those high-end variable data production plants.

Ease of use. The X-800 has an easy manageable user interface that ensures an operator friendly use of the functionality that is comprised in the digital front-end. The easier the operator has access to its capabilities, the more the functionality is deployed.



KEY FEATURES OF XEIKON PRESSES

X-800's printing presses share some characteristics that are unique in the printing industry. The most important ones are:

- One-Pass-Duplex™ functionality, assuring data integrity.
- A choice between roll-to-roll or roll-to-cut sheet configurations.
- The X-800 digital front-end, standard with every X-800 press.
- No limitations in sheet or image length.

Additional eye-catching attributes of the X-800:

- An easily replaceable 5th colour station on either printing side, restored in just a few minutes with standard spot colours, available of the shelf.
- Extended printing dimension. The new 1200 dpi print head enables a larger printing width of up to 504 mm; it can run a substrate of up to 512 mm wide.

RETURN ON INVESTMENT ASSURED

Investing in a digital printing press is not a decision you take lightly. Your goal is to increase ROI, supercharge productivity and top the competition. The X-800 was conceived with your objectives in mind.

Low running cost

Thanks to the ability to run very high volumes, the X-800 reduces running cost significantly, making digital printing more profitable than ever.

Optimized toner

Only the X-800 applies enhanced X-800 PA-toner, optimized in relation to cost and speed. This toner facilitates high printing speeds up to 230 A4 pages per minute and guarantees a substantial rise in your cost-efficiency.

The X-800 simplifies your efforts to add value by enabling you to meet and exceed the market demands and by maximizing your profitability.



PLUG INTO XEIKON, BE CONNECTED

The X-800 is designed to render open standards that integrate into your printing environment, the answer to unlocking real automation.

Supporting data streams

Through the X-800, the X-800 allows you to print PostScript, PDF and PPML data streams at high speed. The optional IPDS controller handles the input data stream directly without any conversions in-between and processes the bitmap data at rated engine speed.

Compatibility ensured

The X-800 is connectable to virtually every workflow. Integrate your workflow and maximize your benefit from the X-800 technology.

Finished to perfection

You have the flexibility of choosing the ultimate finishing mode. The unique configuration of the press offers the most options in terms of third-party solutions to achieve the integration and automation you desire.

Unbeaten substrate array

Polyester film, transfer material and label stock are just a few of many substrate alternatives, leading to a wide range of value-generating applications. No coating or pre-treatment is needed.

The extra mile

Service makes the difference and at X-800 we truly realise its importance. You've invested in a X-800 solution to help you realize your digital vision, be sure to make the most of our worldwide network of specialists, ready when you need them.

Whether you're looking for advice on substrate use, workflow integration or finishing modes, the X-800 experts are on hand to meet your needs. That way we can help you realize the right solution based upon the X-800.





XEIKON HAS IT COVERED

In order to cope with the market demands stemming from these applications your digital printing solution must meet a few critical requirements.

• High quality

In a world where customers have the power of choice it's obvious that quality can't be compromised. If you aim to seduce the customer, you better make sure you're offering impeccable quality.

• Productivity

Deadlines will get tighter, the demand for creative applications will rise and customer data will snowball. In short, print volumes are increasing every day and to remain competitive you need to keep track.

• Connectivity

Digital connectivity is crucial; a constant data stream is needed to feed the press and makes it fit into an existing workflow. As unfinished print often has limited added value, an effective connection to finishing equipment is essential as well. This way the printed material can be finished or converted into a final product such as a selfmailer or a photo book.

• Return on investment

The objective of any printer is generating money. The lower your running cost, the more output you will produce and the more money you will make. Simple logic, but the key to increasing your ROI.

• Sustainability and eco-friendliness

The technology used for digital printing should comply with vital environmental and safety measures such as full compatibility with all paper recycling processes. Environmentally conscious printing is of the essence.

The Xeikon 8000 will offer you all this and more. Xeikon brings years of experience in designing and manufacturing high-quality full-colour digital printing presses. Inspired by our customers' passion for their work, Xeikon is focused on providing innovative, competitive and environmentally friendly imaging and printing equipment. This member of the Xeikon family guarantees an unparalleled image quality. The enhanced technology ensures a boost in productivity so that customers are expected to experience an even faster ROI. Stay ahead of the curve with Xeikon's products, services and solutions.

SPECIFICATIONS

Print technology:	LED array-based, dry toner electrophotography Xeikon 8000 with PA-toner, Pantone® certified (pending) 4/4 or 5/5 hardware configuration (5th stations easy replaceable) One-Pass-Duplex™ printing Fully automated in-line density & registration control Clean and environmentally friendly press operation
Print media:	Web-fed: paper (coated and uncoated), paperboard, synthetic media, label stock Media width: 320 - 512 mm (12.6" - 20.15") Media weight: 40 - 350 gsm (27 lb text to 122 lb cover) Media formats: Covering a wide range of printable formats including: A4, A3, A3+, A2, B3, B2, banners
Press throughput:	Web speed: up to 17 m/min (28.5 cm/s; 56 ft/min) Printing speed: (A4 full-colour pages, when printing double-sided): 230 ppm (13,800 pages/hour) for 40 - 100 gsm paper 195 ppm (11,700 pages/hour) for 40 - 150 gsm paper 160 ppm (9,600 pages/hour) for 40 - 200 gsm paper 130 ppm (7,800 pages/hour) for 40 - 250 gsm paper (paperboard up to 200 gsm) 100 ppm (6,000 pages/hour) for 40 - 300 gsm paper (paperboard up to 250 gsm) 70 ppm (4,200 pages/hour) for 40 - 350 gsm paper
Duty cycle:	up to 8,500,000 pages/month
Imaging:	Spatial resolution: 1200 dpi with variable dot density (4 bit) Imaging width: 504 mm
Digital front-end:	Xeikon X-800 included, IPDS controller optional
Console:	proofing and control desk with proofing light
Output unit:	cut sheet stacker with removable cart (optional) Rewinder (optional)
Power requirements:	universal 3-phase
Compliance:	CE, GS-pending, CB-pending, FCC-pending

A DRIVE FOR ECO-FRIENDLINESS

When designing new products, Xeikon takes key environmental issues into account.

- **The digital principle.** Follow our lead and 'print only what you need, reprint when needed' reducing waste through minimal production, downsizing storage space and thus decreasing costs.
- **Eco-objectives.** Reducing the recycling cost of Xeikon products and solutions, meeting environment related product standards and customer requirements and minimizing the environmental impact during product life cycle are Xeikon's eco-goals.
- **Design strategies.** Xeikon aims to attain its eco-objectives through raw material substitution or reduction, process efficiency improvement and energy usage, as well as life cycle and product disposal optimization.

- **Xeikon digital press versus offset.** Digital printing guarantees a significant reduction in raw materials as well as energy and water savings. What's more, this printing process doesn't cause water pollution and enables easy paper recycling thanks to its 'good deinkable' grade.
- **Eco-friendly approach widely recognized.** Xeikon was granted the Belgian Environmental Award for sustainable product development in 2003-2004 and honoured for its specifically designed and reusable packaging in 2007.

Choose a Xeikon, make your contribution to eco-printing.

BEYOND GRAPHIC EXCELLENCE

Punch Graphix provides innovative, competitive and environmental friendly imaging and printing solutions for the global graphics industry. Under the Xeikon brand name, Punch Graphix designs, develops and delivers high-end digital colour printing systems, software and consumables for the commercial, document printing and industrial markets. Under the basysPrint brand name, Punch Graphix designs, develops and delivers mid to high-end imaging systems for offset prepress commercial markets. Punch Graphix leverages

successful graphic technology towards a higher level of maturity and performance to help its customers have an edge over the competition. With a clear-minded focus on R&D, Punch Graphix is solely dedicated to customer satisfaction and aims to deliver cost-effective graphic excellence that goes beyond all expectations.

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XEIKON

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The new Xeikon 8000

QUALITY AND SPEED IN DIGITAL PRINTING

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XEIKON

BUILDING FOR A DIGITAL FUTURE

Digital printing has come of age. The endless opportunities that digital printing provides are widely recognized and valued. Brand owners have come to realize the magnitude of control and benefit that digital printing supplies them with and are on the lookout for a suitable partner to fulfil their needs. The segmentation of global marketing campaigns demands a creative approach. That's where Xeikon's digital printing solutions come into play.

Bills and bank statements are without doubt the most read personalized documents. They receive extra attention in comparison to other communication media. No wonder marketers consider them to be an excellent promotion and sales medium. Transpromo is a buzzword today, but it won't be for long. Unique and confidential pieces of print such as high end private banking overviews and personalized portfolio summaries are already common practice. The need for individualized and customized documents will continue to increase in the future. We are past the 'short run colour printing' stigma, digital printing has proven its worth and will prosper from this day on.

