

KODAK FLEXCEL NX SYSTEM

Kodak



ANYTHING IS
POSSIBLE

ELEVATE FLEXO

Flexo printing continues to be transformed by the award-winning **Kodak Flexcel NX System**, the fully-integrated digital plate making solution that has galvanized the industry since its introduction in 2008. Built on unique Kodak technology and an ongoing commitment to innovation, Kodak's full portfolio of **Flexcel NX System** solutions continues to enable the highest quality flexographic printing and enhance production efficiency for prepress and printing operations. It has become the choice of key brands around the world for new product launches, and has a proven track record of enabling the conversion of offset and gravure designs to flexo. Find out what packaging service providers all over the globe have already discovered—that the **Flexcel NX System** delivers benefits that drive a competitive advantage for brand owners and print service providers alike:

EXCEPTIONAL PRINT.

CONSISTENT COLOR.

PRESSROOM SAVINGS.

PROVEN SIMPLICITY.



INNOVATION THAT DELIVERS

EXCEPTIONAL PRINT.

The **Flexcel** NX System has firmly established a reputation for enabling exceptional print quality, allowing you to compete for business traditionally beyond the capabilities of flexo.

The fine image reproduction and high print densities enabled by the **Flexcel** NX System deliver a quality advantage that will give you a competitive edge. Colors are brighter and cleaner, transitions are smoother, and designs benefit from a wider tonal range and expanded color gamut. Unique Kodak imaging technology enables capabilities beyond those of traditional high definition plate systems, giving you the flexibility to embrace fixed color palette printing, increase line screens, reduce font size or even incorporate printed security features.

Proven to put flexo quality on a level playing field with offset, roto-gravure and digital print processes, **Flexcel** NX Plates are transforming the on-shelf impact of flexo-printed pressure-sensitive labels, shrink sleeves, flexible pouches, bags, cartons and shelf-ready packaging around the world.

CONSISTENT COLOR.

Arguably the most important factor for client satisfaction and internal production efficiency is the ability to predictably produce a consistent product ... day to day, run to run, within a run, reprint after reprint. Consistent color maintains brand integrity, minimizes press approvals, reduces waste and streamlines post-print production processes.

From imaging to final plate, every aspect of the **Flexcel** NX System has been engineered to drive consistent results in your operation.

Eliminate the guesswork from platemaking with the only flexographic system on the market that delivers true 1:1 reproduction from the digital file to the plate.

Combine that with an optimized dot structure for printing that transfers ink uniformly, preserves color fidelity with changes in impression and resists wear from substrates and cleaning, and you'll discover that color consistency on press and across substrates is dramatically improved.

Trust us — your brand clients and press operators will notice the difference.

A FULL PORTFOLIO

SYSTEM TYPE	PLATE SIZES				
	610 x 762 mm 24 x 30 inch	800 x 1067 mm 31.5 x 42 inch	900 x 1200 mm 35.4 x 47.2 inch	1067 x 1524 mm 42 x 60 inch	1270 x 2032 mm 50 x 80 inch
Flexcel NX Narrow System 	✓				
Flexcel NX Mid System 	✓	✓			
Flexcel NX Wide System 	✓	✓	✓	✓	
Flexcel NX Wide 5080 System 	✓	✓	✓	✓	✓

PRESSROOM SAVINGS.

A printing plate has the power to drive significant cost savings on press, and the **Flexcel** NX System delivers. You'll have wider latitude in setting up your press. Presses will come up to color faster, reducing ink and substrate waste by up to 20% on average. Users repeatedly report lower overall ink costs.

Flexcel NX Plates enable the use of fewer plates per job. You will benefit from the ability to virtually eliminate the use of two black plates, and to reduce the need for double hits of white and spot colors. A wider achievable color gamut enables the use of fixed color palette printing, leading to considerable savings in press set-up costs.

Flexcel NX Plates last longer than traditional digital flexo plates, ultimately requiring fewer plate changeovers and less press downtime. You'll even be able to reuse plates again and again, reducing the cost of reprints.

Even better, the exceptional print stability enabled by **Flexcel** NX Plates typically allows presses to run faster, increasing press availability—and billable hours.

PROVEN SIMPLICITY.

Complexity in a process drives up costs and increases the risk of errors. Taking complexity out of flexo prepress and printing is one of the **Flexcel** NX System's chief advantages.

A simple plate portfolio – Kodak deliberately offers just two plate types: **Flexcel** NXC Plates for post-print corrugated applications, and **Flexcel** NXH Plates for all other applications. Simplify your inventory.

Always high definition – There are no choices to be made about 'high definition' or 'not high definition.' All jobs are high definition, by default, with the fastest imaging speeds in the industry. Simplify your prepress setups.

Predictable plate performance – Kodak's unique imaging and reproduction technology ensures consistent, predictable plates that 'just work' every time. Your press operators will thank you. Simplify your press set-ups.

REDUCE INK AND SUBSTRATE WASTE BY 20%*

REDUCE MAKEREADY TIME BY 10%*

RUN PRESSES 10 – 20% FASTER*

PLATES LAST 2 – 5 TIMES LONGER**

* Typical savings, as reported by users of the **Flexcel** NX System

** Than traditional digital flexo plates

DIFFERENTIATED TECHNOLOGY

UNIQUE IMAGING

The differentiation starts right from the beginning with the imaging process. **Kodak Flexcel NX** Imagers utilize patented **Kodak SQUAREspot** Imaging Technology to image a high resolution **Kodak Flexcel NX Thermal Imaging Layer**. Imaging is fast, accurate and highly repeatable, and with an effective resolution of 10,000 dpi, allows for implementation of advanced imaging features. A unique imaging and reproduction process — where prepress files are RIPped at just 2400 dpi — ensures rapid file processing while delivering extraordinary results.



OPTIMIZED PLATE DOTS

Kodak's proprietary lamination process during platemaking enables perfect image reproduction on the **Flexcel NX Plate**. The original digital file is consistently and faithfully reproduced, pixel for pixel, and superior flat top dots are formed. With a proven-to-perform dot profile that includes a sturdy base and strong shoulders the final plates are optimized for consistent print performance, resistant to changes in impression and wear from substrate or cleaning.



INDUSTRY RECOGNITION FOR ONGOING INNOVATION

A commitment to ongoing product development for the **Flexcel NX System** platform has earned multiple prestigious industry awards for technology innovation.

ADVANCED IMAGING FEATURES

DRIVE OUTSTANDING PERFORMANCE

Through the application of award-winning **Kodak DigiCap NX Patterning**, which applies a micro-fine surface texturization pattern to the printing surface of the plate, **Flexcel NX Plates** deliver outstanding ink transfer, enabling higher print densities with a lower ink laydown than other digital flexo plates. A NEW! Advanced set of expertly-engineered **DigiCap NX Patterns** broadens the application of this innovative technology across a wide range of print conditions that include process colors, spot colors, white and metallic inks. Kodak's newly-patented Advanced Edge Definition technology optimizes ink and air flow during the print process and facilitates clean print results and sharp fine features — especially reverses — while **Kodak Hyperflex NX Imaging** can be implemented to lower the minimum printable dot, further widening the achievable tonal range and enabling outstanding highlight reproduction.

These features are made possible by the unique imaging and reproduction capabilities of the **Flexcel NX System**, and are available for all **Flexcel NX Imagers**.



A COMPLETE SOLUTION

The **Flexcel** NX System ships with everything you need to get up and running quickly. Imager, laminator, software, densitometer, plates and media handling accessories are part and parcel of this fully optimized and integrated solution. The system is available in a variety of configurations. Please contact your Kodak representative for information on individual models.

GLOBAL SERVICE AND SUPPORT ORGANIZATION

Kodak's packaging solutions are supported by a world-class team of dedicated sales, professional consulting and service staff. Our global organization is fast, effective and targeted.

A WORLD-CLASS PARTNER

From concept to creation, no other partner brings a more complete solution to the packaging value chain than Kodak. Our strategic vision is to enable product innovation with simplified, standardized and automated production processes.



To learn more about flexographic solutions from Kodak:

Visit www.kodak.com/go/flexcelnx
Produced using Kodak Technology.
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