

OPEN TECHNOLOGY OPEN MIND

YOU TELL TECHNOLOGY WHAT TO DO, NOT VICE VERSA



ThermoFlexX



THERMOFLEXX SOLUTIONS **MEET THE PRINTERS' DEMANDS**

CUSTOMER AWARENESS

Xeikon prides itself on the close relationships it has built with its customers. All the solutions offered by the company are developed to solve specific customer challenges. The company maintains its “customer awareness” by being open and approachable at all the levels of the organization.

EXPERIENCE

Printers and prepress tradeshops can depend on Xeikon Prepress for experience and know-how. As a renowned innovator in the printing industry for more than 20 years, the company has been offering CtP solutions for the Newspaper, Commercial & Screenprinting Industry.

CHOICE OF PLATES

Printers and repro houses can use their ThermoFlexX imagers to expose any of the leading flexo and letterpress plates. The choice is theirs, since they don't have to be locked into a 'closed system solution'. With ThermoFlexX, they have complete freedom of choice.

PROFESSIONAL QUALITY

One of the key benefits of the ThermoFlexX imagers is their 5080ppi imaging resolution for flexible packaging jobs, on top of that they now also offer 10.160 dpi for security printing. In addition, ThermoFlexX customers swear by the manufacturing quality and reliability of Xeikon Prepress.

OPENNESS AND MODULARITY

ThermoFlexX imagers accept 1-bit TIFF files from any workflow or front-end. And the workflow can be as simple or as complex as the printer or repro house needs.

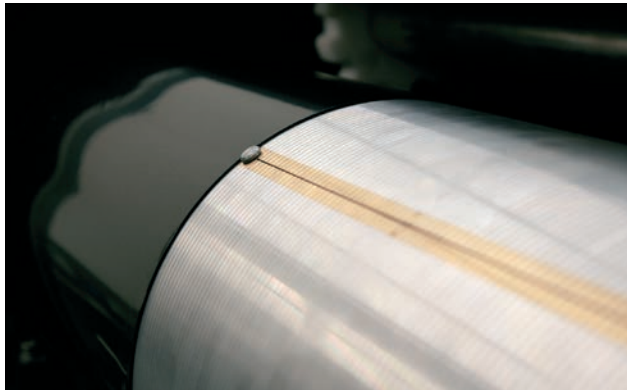
PROFESSIONAL SUPPORT

In a production environment, any solution is only as good as the service support behind it. In case of ThermoFlexX solutions, the installation and support teams are always available to help customers, together with the experts from local distribution partners.

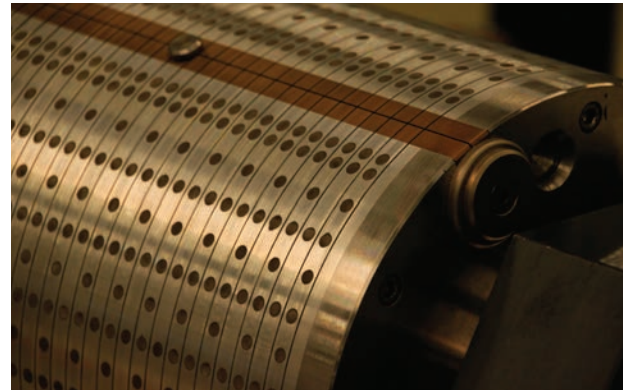
**HIGH QUALITY,
MODULAR AND OPEN
SOLUTIONS FOR FLEXO &
LETTERPRESS PLATES**



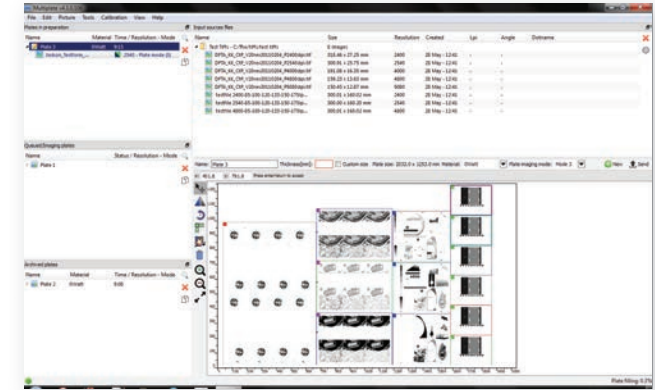
ThermoFlexX



Partial plate with unique vacuum slider concept.



Hybrid drum for Flexo and Steel back Letterpress plates.



MultiPlate interface SW between Prepress and ThermoFlexX imager.

RELEVANT UNIQUE FEATURES

No other digital imager offers the unique Vacuum Slider Concept (VSC). Based on smart design, printers can insert the plate in the advanced clamping system and slide the vacuum slider towards the plate edge. "That's it!" No need for taping or cutting plates to fit dedicated vacuum zones, thus, allowing the use of cut-off scraps!

HIGH QUALITY IMAGING

The fiber laser is today's best technology for digital imaging, offering superior quality. The robustly designed ThermoFlexX is made out of heavy duty industrial components, which makes high speeds possible without fluctuations and vibrations. This offers accurate and consistent imaging quality.

UNIQUE RESOLUTION FLEXIBILITY

The ThermoFlexX imagers excel in their choice of resolution.

Any of the following resolutions can be used: 2400, 2540, 4000, 4800 or 5080 dpi, with the auto-resolution switching as an option.

10.160 dpi is available for security printing.

- Smaller screen dots resulting in finer details
- Cleaner mid-tones
- Sharper text, lines, barcodes and QR codes
- Capability to reproduce full image contrast, thanks to the abundance of gray levels even at high screening levels
- Switching between different resolutions while imaging

2540 dpi 4000 dpi 5080 dpi



Flexo plate with different jobs at different resolutions

MULTIPLATE

Dedicated front-end software, combining simplicity with functionality, resulting in maximum productivity of your ThermoFlexX.

SMART TECHNICAL CHARACTERISTICS

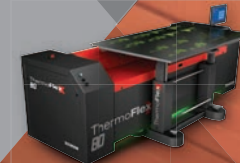
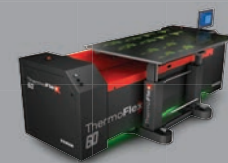
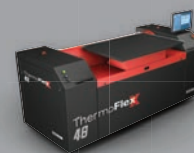
ThermoFlexX imagers are designed for smooth and productive operation.

- The advanced clamping system facilitates ergonomic and easy plate mounting.
- The standard vacuum drum and optional hybrid vacuum / magnetic drum assure accurate plate positioning and optimal exposure of flexo and letterpress plates.
- The integrated display enables fast, user friendly and reliable control of the imager.

A BROAD RANGE OF THERMOFLEXX DIGITAL IMAGERS

THE CHOICE IS YOURS

Whether you need tags, labels, flexible packaging, folding carton or corrugated packaging, ThermoFlexX imagers can do it all. They offer the required combination of size and productivity for any narrow, mid, or wide web application. All standard configurations are clear and straight-forward with no surprises of “extra” options!



| | ThermoFlexX 20 | ThermoFlexX 30 | ThermoFlexX 48 | ThermoFlexX 60 | ThermoFlexX 80 |
|--|--|--|--|--|--|
| Maximum Plate size | 635 x 508 mm 25" x 20" | 635 x 762 mm 25" x 30" | 900 x 1200 mm 35" x 48" | 1067 x 1524 mm 42" x 60" | 1270 x 2032 mm 50" x 80" |
| Applications | Tags & Label Folding Carton | Labels Folding Carton | Labels Folding Carton Flexible Packaging | Flexible Packaging Folding Carton | Flexible Packaging Folding Carton Corrugated Packaging |
| Resolutions standard optional | 2400, 2540 dpi 4000, 4800, 5080, 10.160 dpi | 2400, 2540 dpi 4000, 4800, 5080, 10.160 dpi | 2400, 2540 dpi 4000, 4800, 5080, 10.160 dpi | 2400, 2540 dpi 4000, 4800, 5080 dpi | 2400, 2540 dpi 4000, 4800, 5080 dpi |
| Productivity standard optional | 1 sqm/hr 2 sqm/hr | 1 sqm/hr 2 or 3 sqm/hr | 3 sqm/hr 6 sqm/hr | 3 sqm/hr 6 or 12 sqm/hr | 3 sqm/hr 6 or 12 sqm/hr |
| Plate Thickness | up to 3,94 mm | up to 3,94 mm | up to 6,35 mm | up to 6,35 mm | up to 6,35 mm |

THERMOFLEXX 60 & THERMOFLEXX 80 CUSTOMER DRIVEN TECHNOLOGY

THERMOFLEXX FLEXTRAY

With its unequalled loading and unloading concept, the ThermoFlexX 60 and 80 offers efficient and problem free plate handling by means of the FlexTray. The FlexTray facilitates the plate transport from the warehouse to the production area, easily aligning with any flexo equipment in the prepress room. The FlexTray table can be tilted so it simplifies transport from one room to another.

The FlexTray can be adjusted in height in order to level with all exposure and processing equipment. As an integral part of the ThermoFlexX 60 and 80, the FlexTray smoothly positions over the imager by means of guides. The guides navigate the FlexTray into the correct position over the ThermoFlexX.



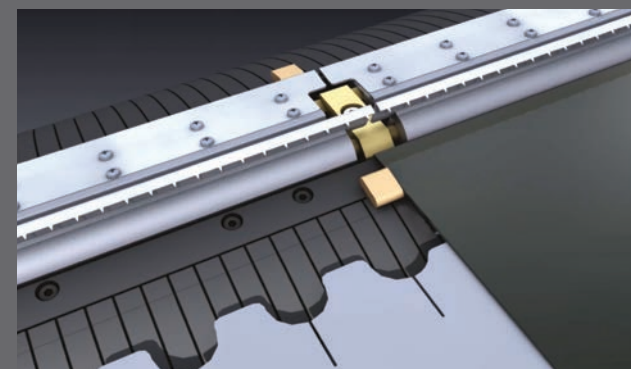
*FlexTray for
seamless plate
handling.*

GROW WITH YOUR BUSINESS

Have your ThermoFlexX imager grow along your own growth path and speed thanks to unique modularity. The possibility of adding an additional imaging head, not only results in more productivity, but also offers you an important level of redundancy.

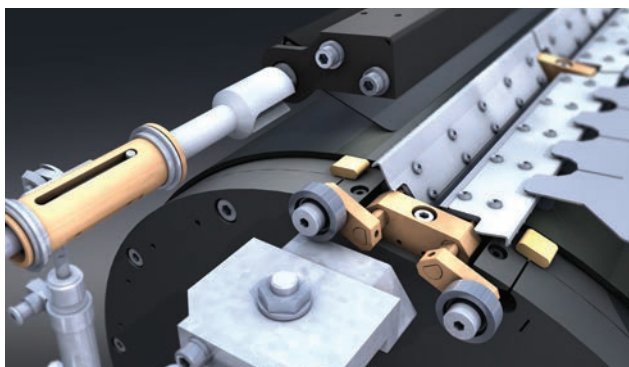


Modular design with dual head on TFxX 60 & 80.

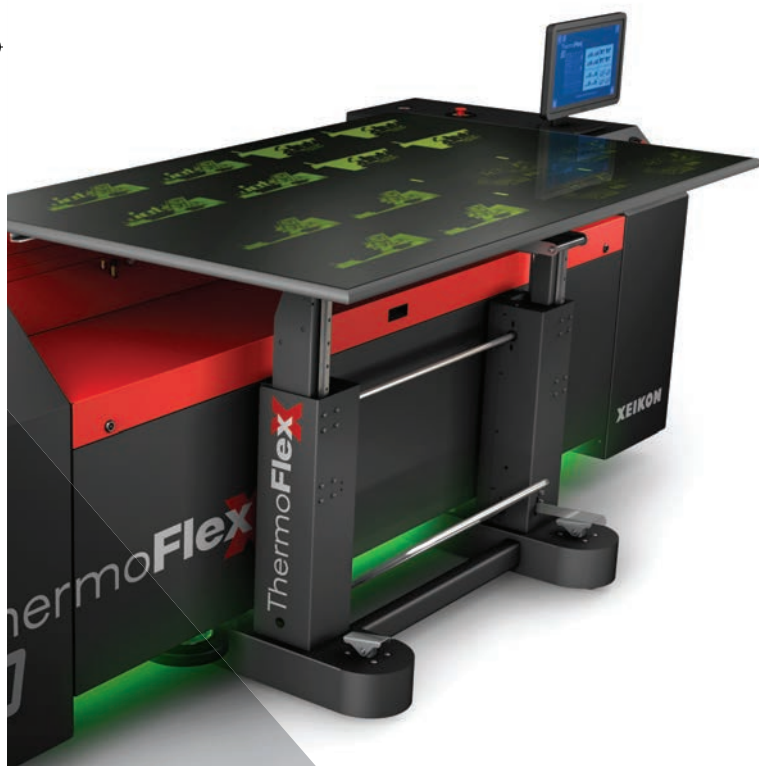


*Automatic Vacuum slider on
TFxX 48, 60 an 80.*



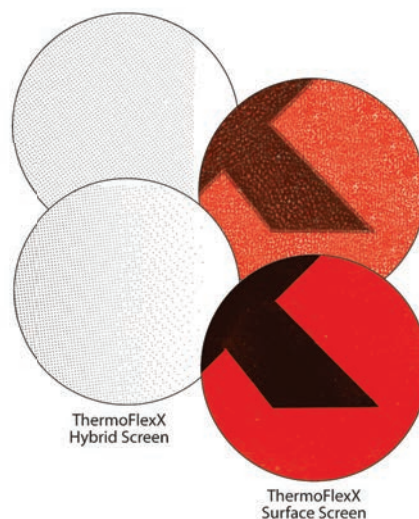


Thick Plate guidance.



OPTIMIZED PLATE HANDLING

Not only does ThermoFlexX offer fully automated plate loading and unloading for any thickness, the imagers also offer a unique assistance for thicker plates, securing a problem-free operation.



INNOVATIVE SCREENING TECHNOLOGY

ThermoFlexX is compatible with all recent Screening technologies. ThermoFlexX Hybrid Screening improves details in the Highlights and Shadow while Surface Screening increases the Solid Ink Density offering a better quality of the print result.





ThermoFlexX

YOU'RE THE DRIVER

SOME ARE RULED AND SOME RULE

Xeikon Prepress has a long lasting reputation of manufacturing high quality Computer to Plate equipment. Their basysPrint CtCP systems offer flexibility combined with outstanding quality using Conventional offset plates resulting in a very attractive ROI for commercial printers. The Newspapers CtP products, manufactured and designed under an exclusive OEM agreement for Agfa Graphics, are considered as the reference in the Newspaper industry.

For the flexographic market, Xeikon Prepress offers digital platemaking systems under the ThermoFlexX brand name. ThermoFlexX systems provide high-quality plate imaging combined with unique plate handling and one of a kind productivity.

Xeikon is also an innovator in digital printing technology. The company designs, develops and delivers web-fed digital color presses for label and packaging applications, document printing, as well as commercial printing. These presses utilize LED-array-based dry toner electro-photography, open workflow software and application-specific toners.

Xeikon is part of the Flint Group since 2015, integrated as the new "Digital Printing Systems" division. The Flint Group develops, manufactures and markets an extensive portfolio of printing consumables. These include a vast range of conventional and energy-curable inks and coatings, pressroom chemicals, printing plates, printing blankets and sleeves, pigments and additives for use in inks and other colorant applications. Headquartered in Luxembourg, Flint Group employs some 6800 people. On a worldwide basis, the company is a predominant supplier in every major market segment it serves.

For more information, visit www.thermo lexx.com

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