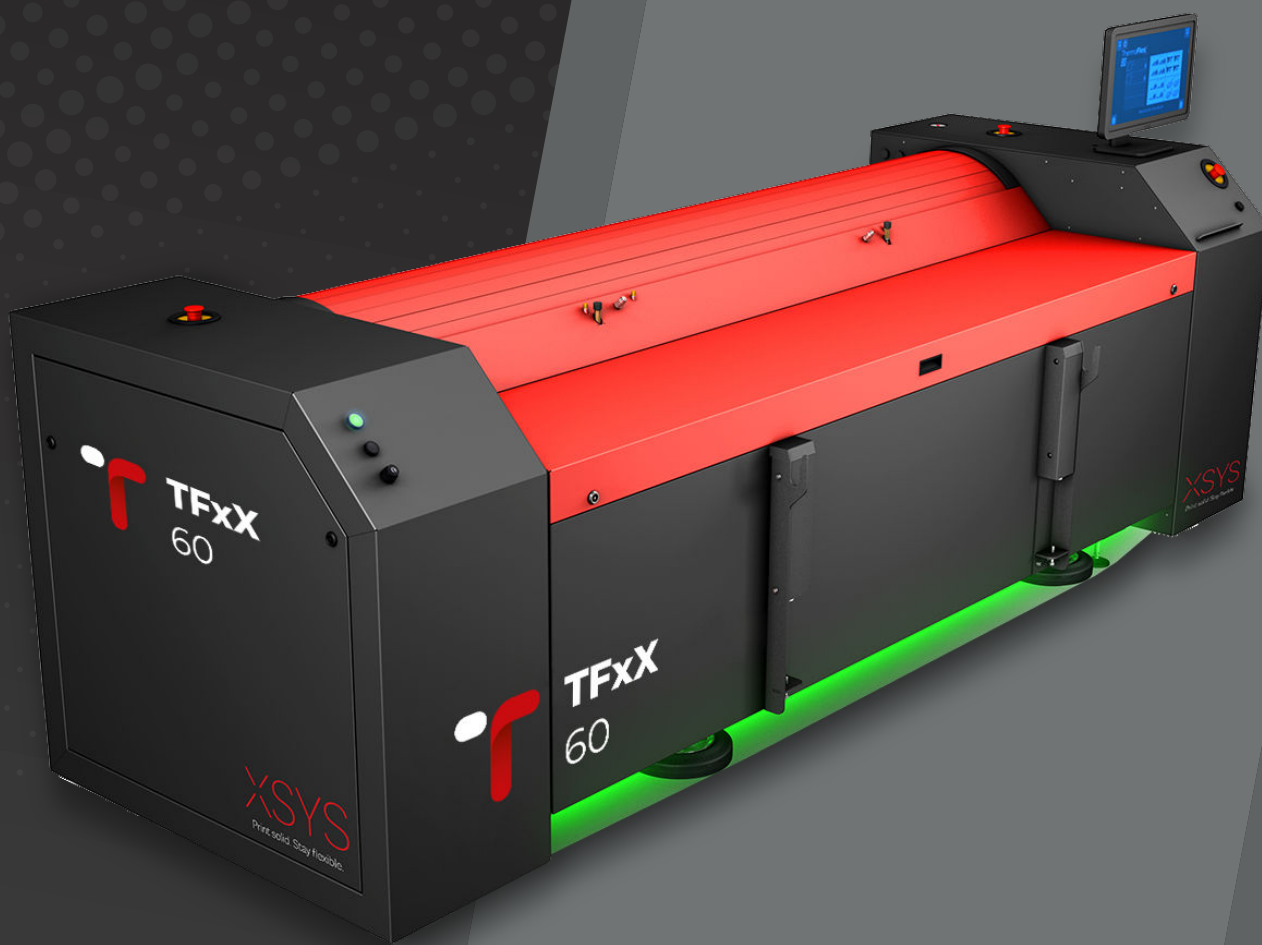


# XSYS

Print solid. Stay flexible.

 **TFxX**  
**60**



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# HIGHEST QUALITY IMAGING

ThermoFlexX imagers deliver superior image quality, thanks to a unique design that incorporates laser fiber technology, recognized as the pinnacle in digital imaging. Crafted and engineered in Belgium by machine and laser imager design experts, these machines boast the finest heavy-duty industrial components meticulously assembled according to engineering standards.

## EASY INTEGRATION

ThermoFlexX imagers are engineered to be open format, supporting any image resolution and seamlessly integrating with any workflow or RIP capable of generating industry-standard 1-bit TIFF files. Closed file formats like LEN can be effortlessly converted. Moreover, these imagers are compatible with all digital plates, regardless of brand or type, including solvent, water-washable, or thermal plates.

## EASY PARTIAL PLATES

Clever technical innovation, such as the unique vacuum slider, demonstrate our understanding that users need to save cost and time. No more taping partial plates!

## POWERFUL AUTOMATION

Manual plate handling is a significant contributor to plate damage. Consequently, the ThermoFlexX 60 is equipped to automatically load new plates, unload imaged ones to the FlexTray or unload them to a Catena-E UV LED exposure unit. The subsequent preloaded plate can seamlessly replace the previous one without any need for operator intervention!

 **TFxX  
60**

- Maximum plate size: 1067 x 1524 mm (42 x 60").
- Medium web segment.
- Fits multiple jobs together and with intuitive solutions.
- Easy handling and superior speed.

**FASTER ROI WITH  
12M<sup>2</sup>/H  
PRODUCTIVITY  
AND AUTOMATED  
EFFICIENCY**





# INDUSTRY LEADING PRODUCTIVITY

The imaging system combines its optimum quality with superior speed. The standard productivity up to 6m<sup>2</sup>/h (at 2540dpi) can be doubled up by the unique dual head imaging concept up to 12m<sup>2</sup>/h at 2540dpi, while offering pixel-by-pixel accuracy. The system can be switched to work with 1 head for redundancy.

# PROTECTED TO PREVENT DOWNTIME

A plate flying off because of loading errors can happen on any imager. These accidents can seriously damage the imaging unit leaving it out of operation for days as a consequence. A protection plate, installed on a separate rail system intercepts impact from a plate at any time.

# ULTIMATE ACCURACY FOR PERFECT IMAGING

Build on a robust base platform, the imaging system is driven by linear motors with ultimate accuracy. The direct drive drum motor guarantees continuous speeds without fluctuations.

# INTERNAL MEASUREMENT FOR PIECE OF MIND

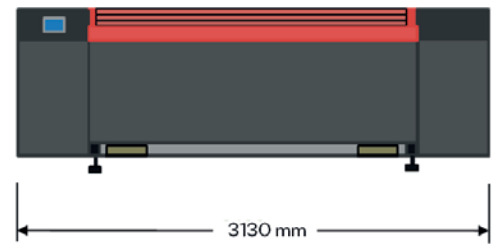
The revolutionary internal measurement cell enables automatic laser calibration, ensuring optimal consistency. Additionally, this system enables remote measurements for streamlined remote servicing.

# MULTI RESOLUTION

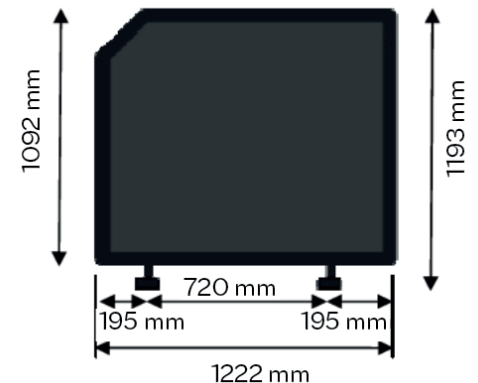
The ThermoFlexX supports 1-bit TIFF formats across all standard resolutions. These resolutions can be seamlessly combined on a single plate, with the automatic resolution switching system seamlessly executing the switch in the background. At the highest resolution of 5080dpi, quality standards are elevated to new heights, delivering smaller screens, finer details, and sharper text and line-work.

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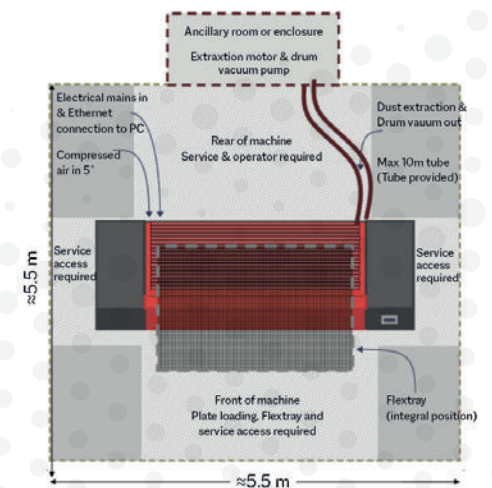
Front view



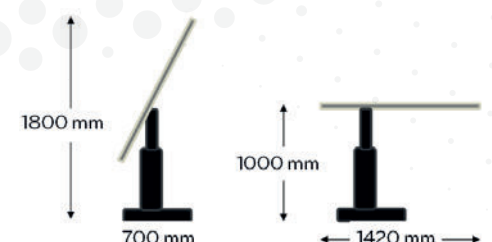
Side view



Floor plan



Flextray



1) By default one resolution (2400 or 2540dpi) comes with the imager. Additional resolutions are optional.

2) Depending on plate type and quality requirements. Thicker plates are imaged 60% of the mentioned productivity.

\* Optional

# CONVENIENT OPERATION

The ThermoFlexX 60 imager boasts a contemporary user interface, seamlessly navigable via a premium rotating touch screen. This interface presents machine controls, a comprehensive job list complete with parameters, and an intuitive imaging preview, ensuring effortless operation.

# FLEXTRAY

Recognizing manual plate handling as a primary contributor to plate damage, the Flextray was designed. This versatile mobile table, adjustable in height and tilt, streamlines plate handling and transportation with remarkable ease.

# WOODPECKER SURFACE SCREENING

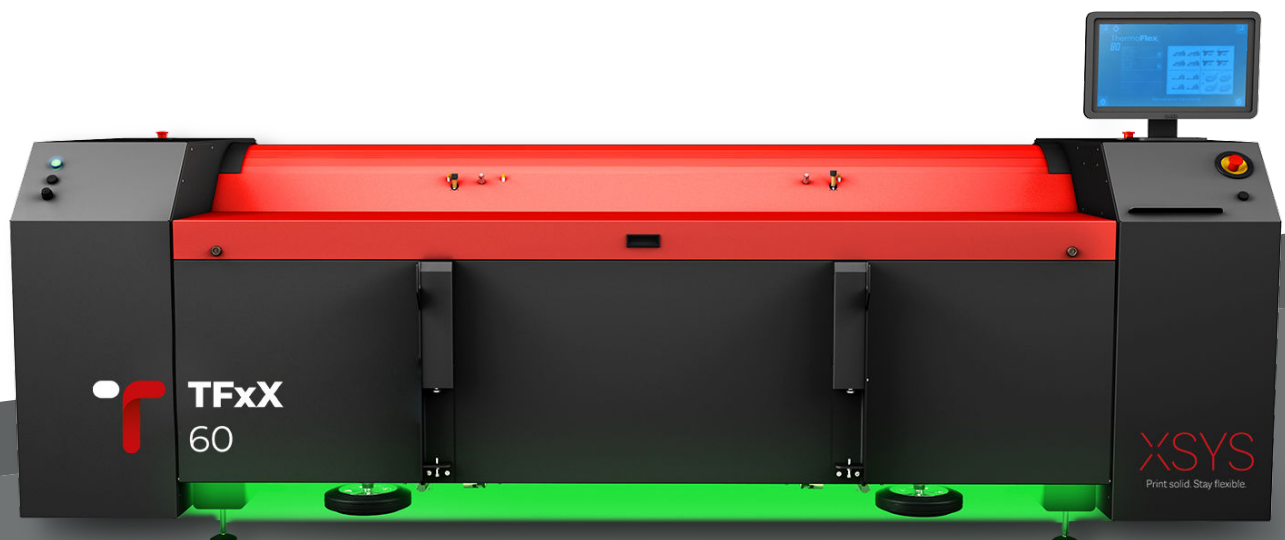
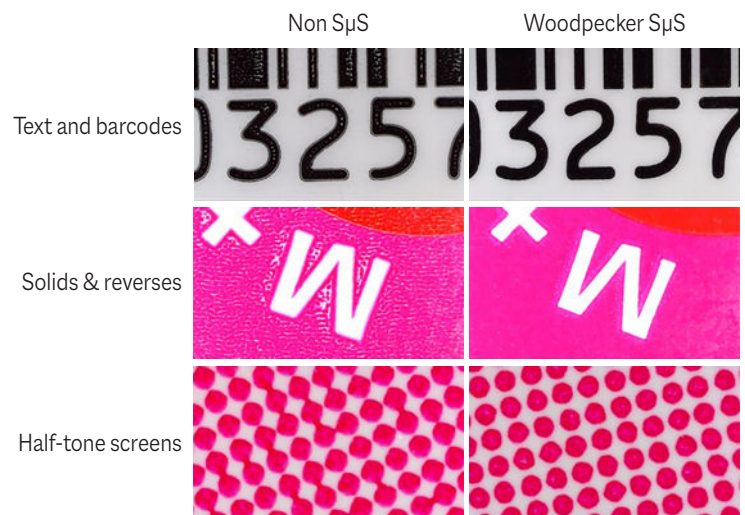
All ThermoFlexX imagers are equipped to utilize the advanced Woodpecker surface screening options: Replay, Sharp, Nano, and Nevis. Leveraging the high-resolution optics of ThermoFlexX, these screens produce finer and higher frequency patterns for the micro structures. For more detailed information, consult the Woodpecker brochure!

# 3 COMPONENT IMAGING HEAD

The imaging system consists of 3 independent modules: motor, optics, electronics. This flexible design allows easy replacement of any module. Furthermore, with the internal measurement cell, optical fine-tuning can be remotely conducted by one of our experts.

# AUTO LOADING

The ThermoFlexX 60 can automatically load and unload plates with one touch of a button. An innovative guidance system makes sure that even thick plates, up to 6,35 mm (0.25"), can be seamlessly mounted on the drum, all automatically.



# ThermoFlexX 60

Technical characteristics	ThermoFlexx 60 E	ThermoFlexx 60 S	ThermoFlexx 60 D
Laser type	Fiber laser 1064nm		
Laser power	50 W	100 W*	2 x 100 W*
Standard resolution <sup>1</sup>	2400	2400	2400
	2540	2540	2540
High resolution <sup>1</sup>	4000*	4000*	4000*
	4800*	4800*	4800*
	5080*	5080*	5080*
Productivity 2400dpi <sup>2</sup>	3	6*	12*
Productivity 5080dpi <sup>2</sup>	1.5	3*	6*
Image quality	at 2540 dpi: up to 175l / at 5080 dpi: up to 250lpi		
Loading table	FlexTray		
Hybrid Drum option	No		
Customized register pins			
Customized magnetic zones			
Clamping system	Automatic		
Resolution change	Automatic		
Plate loading	Manual / Automatic		
Partial Plate handling	Automatic Vacuum Slider		
Maximum Plate sizes (drum dimensions)	1067 x 1524mm or 42" x 60" (width: 1524 mm / circumference: 1067 mm)		
Plate thickness	0.73 to 6.35mm 0.029 to 0.25"		
Mountable plate materials	Flexo plates and letterpress plates on polyester base Dry Films 0,2mm Digital Screens Gallus Screeny Metal back plates not possible		
Applications	Corrugated Packaging Folding Carton Flexible Packaging		
Top & Bottom clamp space	15mm / 0.6"		
Machine dimensions	Width: 3130 mm / 120" <sup>1</sup> Dept h: 1223 / 48.2" Height: 1200mm / 47.3"		
Required Floor Space	5100 x 5500 mm 200" x 216"		
Weight	3500 kg / 7716 lb		
Compressed Air	Min. 6 bar - free of oil/condensation Compressor not included- 0.5" connection		
Electrical connection	Voltage: 3x400 V (+/-5%) N, PE Frequency: 50 Hz- 60 Hz Fuse: 20A		
Exhaust & Filter system	External exhaust carbon filter system with carbon filter		
Operating conditions	Humidity, max 70% Temperature 15-26° / 59-79 F / (+/-2%)		
Multiplate Software Platform Specification	Windows 10/11 pc with intel i5 processor or equal. min 16GB RAM 22" HD Screen or better 1TB Hard Disk Dual network interface		

1) By default one resolution (2400 or 2540dpi) comes with the imager. Additional resolutions are optional.

2) Depending on plate type and quality requirements. Thicker plates are imaged 60% of the mentioned productivity.

\* Optional

**Please contact us for additional information.**

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