

ThermoFlexX 20



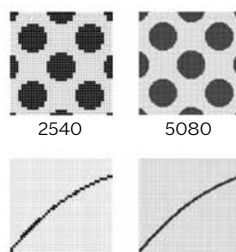
The ThermoFlexX 20 with its maximum plate size of 635 x 508 mm (25 x 20") is the perfect fit for the narrow web segment. It's an excellent choice for ambitious label printers who want their own productive imager and to remain independent whilst making plates in the shortest possible time. ThermoFlexX 20 is an ideal size to fit easily into available space with realistic costs for plate processing equipment and digital workflow.

High quality imaging

- + The new generation optical system offers superior quality thanks to a unique design using leading edge technology. The fiber laser represents today's best technology for digital imaging, offering superior quality. The robustly designed ThermoFlexX is made using heavy duty industrial components, making high speeds possible without fluctuation and vibrations. This provides the most accurate and consistent imaging quality available today.

High Resolution

- + With 5080 dpi resolution, we push quality standards to a higher level.
- + smaller screen dots & finer details
- + sharper text and line-work
- + full image contrast
- + greater production stability through platemaking and printing



Open

- + ThermoFlexX imagers excel in their choice of resolution. Any of the industry standards can be used. ThermoFlexX imagers can be integrated with any workflow or RIP that can produce 1-bit TIFF file format. Closed file formats such as LEN-files can be seamlessly converted to 1-bit TIFF. ThermoFlexX can image all digital plates, any brand, solvent, water washable or thermal processing, and is compatible with all plate making equipment.

Multi Resolution

- + ThermoFlexX supports all 1-bit TIFF formats from any RIP at all standard resolutions 2400, 2540, 4000, 4800, 5080 and 10.160 dpi. Closed file formats such as LEN files can be converted seamlessly to 1-bit TIFF format. In the Multiplate software, TIFF's with different resolution can be combined on one plate.

Vacuum Slider

- + Optimum plate handling and manipulation avoids accidental damage. The vacuum slider, a unique feature of ThermoFlexX imagers, offers efficient operation for partial plates. By moving the slider to the edge of the plate the vacuum is concentrated beneath the plate, which eliminates the need for taping and film covering and still allows full speed imaging.



Convenient clamping

- + Operated by a pedal, the clamping system allows for seamless plate loading. While opening the clamps the drum is automatically locked for efficient positioning of the plate. A choice of clamps is available according to your plate material.

Multi Plate

- + MultiPlate is an intuitive interface providing amazing ease of use. 1-bit TIFF's are arranged automatically or manually and jobs of different resolutions can be combined. The status of different jobs is clearly presented. With the search and filter tool you can easily find files, even if they are stored in an archive.

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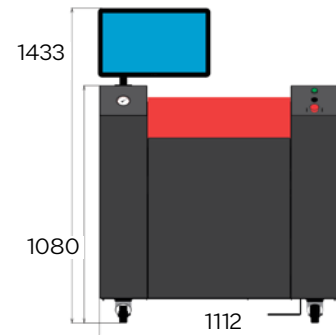
| Technical characteristics | ThermoFlexX 20.2 | ThermoFlexX 20.3 |
|---|---|-------------------|
| Laser type | Fiber laser 1064nm | |
| Laser power | 20 W* | 35 W* |
| Standard resolution ¹ | 2400 | 2400 |
| | 2540 | 2540 |
| | 4000* | 4000* |
| High resolution ¹ | 4800* | 4800* |
| | 5080* | 5080* |
| | 5080* | 5080* |
| Productivity 2400dpi ² | 1m ² * | 2m ² * |
| Productivity 5080dpi ² | 1m ² * | 2m ² * |
| Image quality | at 2540 dpi: up to 175lpi / at 5080 dpi: up to 250lpi | |
| Loading table | Top loading table | |
| Clamping system | Operated by a foot pedal | |
| Resolution change | Automatically | |
| Focus setting | Auto focus | |
| Plate loading | Manual | |
| Partial Plate handling | Vacuum Slider | |
| Maximum Plate sizes (drum dimensions) | 635 x 508mm or 25" x 20" (width: 635 mm / circumference: 508 mm) | |
| Plate thickness | 0.73 to 3.94mm 0.029 to 0.155" | |
| Mountable plate materials | Flexo plates and letterpress plates on polyester base Dry Films 0,2mm Digital Screens Gallus Screeny Optional: Metal back letterpress plates* | |
| Applications | Tag & Label Folding Carton | |
| Top & Bottom clamp space | 15mm / 0.6" | |
| Machine dimensions | Width: 1112mm / 44" Depth: 871 / 35" Height: 1434mm / 57" | |
| Required Floor Space | 3000 x 3000 mm 118" x 118" | |
| Weight | 300 kg/ 661 lb | |
| Compressed Air | Not required | |
| Electrical connection | Voltage: 1x230 V (+/-5%) N, PE Frequency: 50 Hz- 60 Hz power consumption: 2.3 kVA plug: CEE 7/4"Shuko" Fuse: 12A | |
| Exhaust & Filter system | Internal filter system provided | |
| Vacuum system | Internal vacuum system provided | |
| Operating conditions | Humidity, max 70% Temperature 15-26° / 59-79 F/ (+/-2%) | |
| Multiplate Software Platform Specification | Windows 10 Professional Server 64 bit 3 Ghz Quad Core (4 cores with Hyperthreading) 16 GB RAM DVD ROM/ Minimum 1USB port for Dongle Dual 100/1000 Network Interface 1 TB hard disk | |

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

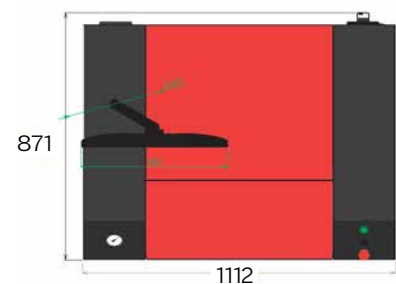
Front view



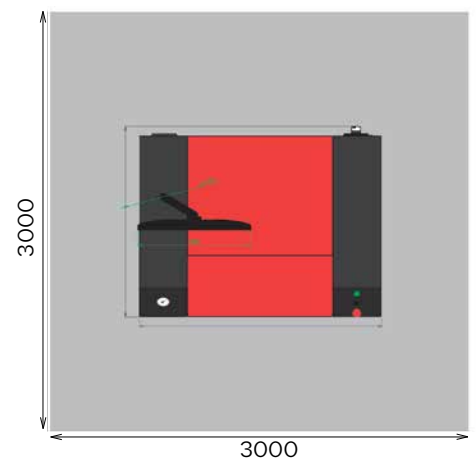
Side view



Plan view



Floor plan



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info@xsyglobal.com • www.xsyglobal.com • www.thermoflexx.com

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