

WIDE-FORMAT THERMAL IMAGESETTERS OYO LIBERATOR™ GS

FILM UP TO 42 INCHES WIDE



Direct Film Imaging

NO Darkroom

NO Processor

NO Chemicals

Low Cost Prepress Solutions for the Textile and Screen Printing Industries

A QUICK LOOK

- 18.25, 24 and 42" media widths
- 400 x 400 and 400 x 800 dpi resolution
- Imaging of up to 10.8 inches per minute
- Closed Loop Registration (CLR) control
- Harlequin® RIP, including HDS™ Lite
- Chemistry, darkroom and processor-free
- Requires NO inks, toners, cameras or disposal costs
- Automatic media cutter
- In-house production control
- Simple, hands-off operation
- Low maintenance
- Mac or PC

The Liberator GS Wide-Format Thermal Imagesetters offer screen printers a low-cost, large-format film output solution capable of producing professional, on-demand, film separations right in your own shop—without a darkroom, without a processor and without chemicals.

OYO Instruments' thermal imagesetter technology offers clear, compact, environmentally friendly solutions to artwork production, enabling you to eliminate outsourcing of large-format films and bring production control in-house. OYO's unique, chemistry-free, dry-imaging ThermolImpression® film requires absolutely no fixers, developers, inks or toners while providing UV densities that exceed industry standards.

The Liberator GS Series imagesetters allow you to efficiently output spot, simulated process and four-color process film separations with traditional line screen rulings of up to 60 lpi. OYO's innovative Closed Loop Registration (CLR) control ensures tight registration and delivers accuracy on even your biggest and widest jobs—even with prints as big as 20 feet or more!

Liberator GS ThermolImpression Systems include a Harlequin ScriptWorks® RIP Management System. This forward thinking, trouble-free, fully featured RIP is PostScript® compatible and is fully compliant with PostScript LanguageLevel 3 specifications, the latest version of the PostScript page description language (PDL). Each system configuration also includes Harlequin's own patented FM screening technique, Harlequin Dispersed Screening™ Lite (HDS Lite).

The bottom line: accurate registration, day to day performance, less waste and wider profit margins.

OYO INSTRUMENTS, LP

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SPECIFICATIONS

| | |
|--------------------------------|--------------------------------|
| Printhead Configuration | Single-substrate, linear array |
| Printing Method | Direct thermal technology |
| Resolution | 400 x 400 or 400 x 800 dpi |
| Film Drive | Stepper motor |
| Paper Type | ThermImpression Proofing Media |
| Paper Length | 200 foot roll |
| Film Type | ThermImpression SP Film |
| Film Length | 200 foot roll |
| Optical Density (Film) | 4.0 typical (UV) |
| Registration Accuracy | ± 0.0125%* |

*Measured at a length of 60 inches

OPERATING REQUIREMENTS

| | |
|--------------------------|--|
| Voltage | 115 or 230 VAC (Auto-switch) |
| Frequency | 50-60 Hz |
| Power Usage | 90 Watts idle mode 1,000 Watts plot/print mode |
| Temperature | Operating: 60° to 80° F (15° to 27° C) Storage/Shipping Range: 14° to 158° F (-10° to 70° C) Humidity: 5 to 95% non-condensing |
| Media Temperature | Operating: 60° to 80° F (15° to 27° C) Storage/Shipping Range: 14° to 86° F (-10° to 30° C) Humidity: 5 to 95% non-condensing |



IMAGESETTER MODEL SELECTION CHART

| Model | Liberator GS 618 | Liberator GS 624 | Liberator GS 642 |
|----------------------------|----------------------------|----------------------------|----------------------------|
| Media Width | 18.25 in (46.35 cm) | 24 in (60.96 cm) | 42 in (106.68 cm) |
| Plot Width | 18 in (45.72 cm) | 23.6 in (59.94 cm) | 41.6 in (105.66 cm) |
| Plot Rate 400 x 400 | 10.8 in/min (27.43 cm/min) | 10.8 in/min (27.43 cm/min) | 10.8 in/min (27.43 cm/min) |
| Plot Rate 400 x 800 | 5.4 in/min (13.72 cm/min) | 5.4 in/min (13.72 cm/min) | 5.4 in/min (13.72 cm/min) |
| Height | 11 in (27.9 cm) | 11 in (27.9 cm) | 11 in (27.9 cm) |
| Width | 29 in (73.7 cm) | 33 in (83.8 cm) | 53 in (134.6 cm) |
| Depth | 21 in (53.3 cm) | 21 in (53.3 cm) | 21 in (53.3 cm) |
| Net Weight | 110 lb (50 kg) | 120 lb (55 kg) | 185 lb (84 kg) |

LIMITED WARRANTY

OYO Instruments, LP warrants this product (excluding printhead) to be free from defects in material and workmanship for a period of one year from date of shipment. The thermal printhead is warranted for a period of three months from date of shipment.

Thermal printhead warranty may be extended to a full year with the execution of a film supply contract.

Specifications are subject to change without notice.

OYO Instruments, LP
9777 West Gulf Bank, Suite 10
Houston, Texas 77040 USA
Fax 713-937-1161
713-937-5800 • 1-800-747-7651
www.oyo.com
graphics@oyo.com

OYO Instruments, Europe
F3 Bramingham Business Park
Enterprise Way, Luton
Bedfordshire LU3 4BU
England
011-44-1-582-573980
011-44-1-582-846010 FAX
sales@oyo.co.uk

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