

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, 36 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

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 Thermolmpression® 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 Thermolmpression 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.

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FILM UP TO **42** INCHES WIDE

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	Thermolmpression™ Proofing Media
Paper Length	200 foot roll
Film Type	Thermolmpression™ Polyester 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 636	Liberator GS 642
Media Width	18.25 in (46.35 cm)	24 in (60.96 cm)	36 in (91.44 cm)	42 in (106.68 cm)
Plot Width	18 in (45.72 cm)	23.6 in (59.94 cm)	35.52 (90.22 cm)	41.6 in (105.66 cm)
Plot Rate	10.8 in/min (27.43 cm/min)	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	5.4 in/min (13.72 cm/min)	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)	11 in (27.9 cm)
Width	29 in (73.7 cm)	33 in (83.8 cm)	45 in (114 cm)	53 in (134.6 cm)
Depth	21 in (53.3 cm)	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)	120 lb (55 kg)	185 lb (84 kg)

Specifications are subject to change without notice.

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.

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