

LIBERATOR GMAX

THERMOIMPRESSION SYSTEM

FILM UP TO 54 INCHES WIDE

Direct Film Imaging
NO Darkroom
NO Processor
NO Chemicals



Affordable Prepress Solutions for Screen Printing, Flexography, Name Plate and Newspaper

A QUICK LOOK

- 18.25, 28.5, 36, 42 and 54" media widths
- 600 x 600 and 600 x 1200 dpi resolution
- Imaging of up to 6 inches per minute
- Closed Loop Registration (CLR) control
- Multi-Level Pulsing (MLP)
- 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

OYO INSTRUMENTS, LP

The affordable new Liberator GMAX Large-Format Thermal Imagesetters enable you to produce 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 GMAX Series is built using OYO's latest innovative and proprietary technologies. Closed Loop Registration (CLR) control gives you accurate registration overlay and Multi-Level Pulsing (MLP) delivers consistent dot quality. OYO's Liberator GMAX ThermolImpression Systems help you meet bigger demands more efficiently, while producing full-size film up to 54 inches wide.

Liberator GMAX 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, high performance and affordable price.

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SPECIFICATIONS

Printhead Configuration	Single-substrate, linear array
Printing Method	Direct thermal technology
Resolution	600 x 600 or 600 x 1200 dpi
Film Drive	Stepper motor
Paper Type	Thermolmpression Proofing Media
Paper Length	200 foot roll
Film Type	Thermolmpression Polyester Film
Film Length	180 or 200 foot roll
Optical Density (Film)	4.0 typical (UV)
Registration Accuracy	± 0.01 %*

*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 GMAX 18	Liberator GMAX 28	Liberator GMAX 36	Liberator GMAX 42	Liberator GMAX 54
Media Width	18.25 in (46.35 cm)	28.5 in (72.4 cm)	36 in (91.44 cm)	42 in (106.68 cm)	54 in (137.16 cm)
Plot Width	17.92 in (45.52 cm)	28.16 in (71.53 cm)	35.84 in (91.04 cm)	41.81 in (106.20 cm)	53.76 in (136.55 cm)
Plot Rate	6.14 in/min	6.14 in/min	6.14 in/min	6.14 in/min	6.14 in/min
600 x 600	(15.6 cm/min)	(15.6 cm/min)	(15.6 cm/min)	(15.6 cm/min)	(15.6 cm/min)
Plot Rate	3.07 in/min	3.07 in/min	3.07 in/min	3.07 in/min	3.07 in/min
600 x 1200	(7.8 cm/min)	(7.8 cm/min)	(7.8 cm/min)	(7.8 cm/min)	(7.8 cm/min)
Height	11 in (27.9 cm)	11 in (27.9 cm)	11 in (27.9 cm)	11 in (27.9 cm)	11.25 in (28.6 cm)
Width	29 in (73.7 cm)	37.5 in (95.3 cm)	45 in (114 cm)	53 in (135 cm)	63 in (160 cm)
Depth	21 in (53.3 cm)	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)	130 lb (59 kg)	155 lb (70 kg)	185 lb (84 kg)	232 lb (105 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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