

# WIDE-FORMAT THERMAL IMAGESETTERS OYO LIBERATOR™ XE

FILM UP TO 54 INCHES WIDE

**TRUE  
1200 DPI  
RESOLUTION**

**Direct Film Imaging  
NO Darkroom  
NO Processor  
NO Chemicals**



## Ultimate Prepress Solution for the Screen Printing, Sign and Banner, POP and Corrugated Industries

### A QUICK LOOK

- 18, 28.5, 36, 42 and 54" media widths
- 1200 dpi resolution
- Imaging of up to 6 inches per minute
- Closed Loop Registration (CLR) control
- Multi-Level Pulsing (MLP)
- Enhanced Nib Management (ENM)
- Harlequin RIP with media saving
- 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

**T**he new high performance, 1200 dpi Liberator XE Wide-Format Thermal Imagesetters enable you to produce superb quality film separations right in your own shop—without a darkroom, without a processor and without chemicals. OYO helps you to deliver those more demanding jobs efficiently while producing full-size film up to 54 inches wide. That is about 4 times bigger than other conventional products currently on the market.

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 XE Series is built using OYO's latest innovative and proprietary technologies, including: Closed Loop Registration (CLR) control for accurate registration overlay, Multi-Level Pulsing (MLP) for superior dot quality, and Enhanced Nib Management (ENM) to provide smooth, high-quality images every time.

Liberator XE Thermolmpression Systems include a Harlequin® ScriptWorks® RIP Management System available on either a PC or Macintosh platform. This forward thinking, trouble-free fully featured RIP is PostScript compatible and is fully compliant with PostScript Language Level 3 specifications, the latest version of the PostScript page description language (PDL). Each system includes media saving functions and can be customized with trapping, proofing, and specialized screening to fit your requirements.

**The bottom line:** accurate registration, higher performance, versatility and flexibility.

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## FILM UP TO 54 INCHES WIDE

### SPECIFICATIONS

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

\*Measured at a length of 60 inches

### OPERATING REQUIREMENTS

<b>Voltage</b>	115 or 230 VAC (Auto-switch)
<b>Frequency</b>	50-60 Hz
<b>Power Usage</b>	90 Watts idle mode 1,000 Watts plot/print mode
<b>Temperature</b>	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
<b>Media Temperature</b>	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 XE 1812	Liberator XE 2812	Liberator XE 3612	Liberator XE 4212	Liberator XE 5412
<b>Media Width</b>	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)
<b>Plot Width</b>	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)
<b>Plot Rate</b>	6.14 in/min	6.14 in/min	6.14 in/min	6.14 in/min	6.14 in/min
<b>600 dpi</b>	(15.6 cm/min)	(15.6 cm/min)	(15.6 cm/min)	(15.6 cm/min)	(15.6 cm/min)
<b>Plot Rate</b>	3.07 in/min	3.07 in/min	3.07 in/min	3.07 in/min	3.07 in/min
<b>1200 dpi</b>	(7.8 cm/min)	(7.8 cm/min)	(7.8 cm/min)	(7.8 cm/min)	(7.8 cm/min)
<b>Height</b>	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)
<b>Width</b>	29 in (73.7 cm)	37.5 in (95.3 cm)	45 in (114 cm)	53 in (135 cm)	63 in (160 cm)
<b>Depth</b>	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)
<b>Net Weight</b>	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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