

## MIVA 2832 Chrome PHOTOPLOTTER



<b>Maximum image size:</b>	26" x 36" / 660 mm x 914 mm
<b>Maximum film size:</b>	31" x 38" / 780 mm x 960 mm
<b>Film subsizes:</b>	20" x 24" / 508 mm x 610 mm 22" x 26" / 559 mm x 660 mm 24" x 30" / 610 mm x 762 mm intermediate sizes possible

### Resolution

1/8 mil / 8000 dpi
1/16 mil / 16000 dpi
1/32 mil / 32000 dpi

### Plotting time for 16 sq. Inches / 1 dm<sup>2</sup> (emulsion exposure)

1.2 min. at 8000 dpi
2.4 min. at 16000 dpi
4.8 min. at 32000 dpi

### Minimum structure size

2.0 mil / 50.0 µm at 8000 dpi
1.0 mil / 25.0 µm at 16000 dpi
0.5 mil / 12.7 µm at 32000 dpi
(Plate emulsion/resist only)

<b>Physical size:</b>	H: 58" / 1485 mm, W: 58" / 1465 mm, D: 62" / 1585 mm; Weight: 1.3 t Film carrier for automatic film feeder: H: 38" / 960 mm, W: 38" / 960 mm, D: 38" / 960 mm
<b>Power requirement:</b>	230 VAC, 50/60 Hz, 1 KW or 115 VAC, 50/60 Hz, 1 KW
<b>Compressed air or nitrogen:</b>	60 L/min @ 1.8 bar
<b>Accuracy:</b>	± 0.4 mil / 9 µm - absolute ± 0.2 mil / 4 µm - repeatability
<b>Technology:</b>	XENON-DMD Raster Image Projection Technology
<b>Environment:</b>	Dependent on film/plate sensitivity - red or green safe light darkroom conditions for film loading, yellow light may be used if chrome plates are in use.
<b>Recommended temperature:</b>	20°C
<b>Recommended humidity:</b>	50%
<b>Media:</b>	Silver halide film or plates up to 0.25" thick. Red, green or blue light sensitive according to customer request. Chrome plates using TFP-650 resist, other types possible (less sensitive resists will require more exposure time) – speed is dependent on resist type.
<b>User dialogue:</b>	Simple instructions for programming and operation by keyboard or remote control
<b>Communications:</b>	Local area network, CD-ROM, Floppy Disk
<b>Protocol emulations:</b>	Gerber, RS 274-X, HP-GL, Fire 9000 PostScript, TIFF, PCX, others on request
<b>User interface:</b>	Netlink queue and plot manager (Win 9x, 2000 and XP compatible) – runs from anywhere on your host network
<b>Sheet-feeder:</b>	100 sheet, 1 min cycle time (optional)

### The Technology

All MIVA raster photoplotters use a unique plotting procedure, utilizing a XENON flash as a light source and a high resolution spatial light modulator to generate the image. This system projects a clean high definition image onto the film. There are various resolutions available between 3000 dpi and 128000 dpi. The photo head exposes the media during its continuous movement across the media surface. Positioning is controlled in real time by high resolution linear encoders. The ultra reliable light source allows years of operation with red, green or blue sensitive films and glass emulsion or chrome plates.

### MIVA Technologies GmbH

Benzstrasse 17  
71101 Schönaich / Germany

Tel.: + 49-7031-75600  
Fax: + 49-7031-756030

e-mail: [info@mivatec.com](mailto:info@mivatec.com)  
web: [www.mivatec.com](http://www.mivatec.com)