

MIVA 28128 Chrome PHOTOPLOTTER



Maximum image size:	26" x 36" / 660 mm x 914 mm
Maximum film size:	31" x 38" / 780 mm x 960 mm
Film subsizes:	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

1/32 mil /	32000 dpi
1/64 mil /	64000 dpi
1/128 mil /	128000 dpi

Plotting time for 16 sq. Inches / 1 dm² (emulsion exposure)

6.4 min. at	32000 dpi
12.8 min. at	64000 dpi
25.6 min. at	128000 dpi

Minimum structure size

0.5 mil / 12.7 µm at	32000 dpi
0.25 mil / 6.35 µm at	64000 dpi
0.13 mil / 3.2 µm at	128000 dpi
(Plate emulsion/resist only)	

Physical size:	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
Power requirement:	230 VAC, 50/60 Hz, 1 KW or 115 VAC, 50/60 Hz, 1 KW
Compressed air or nitrogen:	60 L/min @ 1.8 bar
Accuracy:	± 0.4 mil / 9 µm - absolute full area, high accuracy area definable ± 0.2 mil / 4 µm - repeatability, dependent on environmental control
Technology:	Laser/DMD Raster Image Projection Technology
Environment:	Dependent on film/plate sensitivity - red safe light conditions for film loading, yellow light may be used if chrome plates are in use.
Recommended temperature:	20°C
Recommended humidity:	50%
Media:	Silver halide film or plates up to 0.25" thick. Green/blue light sensitive. Chrome plates using G-Line or H-line sensitive resist (less sensitive resists may require more exposure time).
User dialogue:	Simple instructions for programming and operation by keyboard or remote control
Communications:	Local area network, CD-ROM, removable media
Protocol emulations:	Gerber, RS 274-X, HP-GL, Fire 9000 PostScript, TIFF, PCX, others on request
User interface:	Netlink queue and plot manager (Win 9x, 2000 and XP compatible) – runs from anywhere on your host network
Sheet-feeder:	3 x 50 sheets, film only, 1 min cycle time (optional)

The Technology

All MIVA raster photoplotters use a unique plotting procedure, utilizing a pulsed 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 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
web: www.mivatec.com