

MIVA A024E PHOTOPLOTTER



Maximum image size: 36" x 48" / 914 mm x 1220 mm
Maximum film size: 38" x 50" / 965 mm x 1270 mm

Resolution

1/6 mil / 6000 dpi
 1/12 mil / 12000 dpi
 1/24 mil / 24000 dpi

Plotting time for a panel of 18" x 24" (457 mm x 610 mm)

9 min. at 6000 dpi
 18 min. at 12000 dpi
 37 min. at 24000 dpi

Minimum structure size

0.8 mil / 20 µm

Physical size:	H: 86" = 2185 mm, W: 75" = 1890 mm, D: 90" = 2286 mm, Weight 1,4 tons
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:	± 0.5 mil / 12.5 µm - absolute ± 0.25 mil / 6 µm - repeatability
Technology:	XENON-LCD Raster Image Projection Technology
Environment:	Dependent on film sensitivity - red or green safe light darkroom conditions for film loading
Recommended temperature:	20°C
Recommended humidity:	50%
Media:	Silver halide film or glass up to 0.25" thick. Red, green or blue light sensitive.
User dialogue:	Simple instructions for programming and operation by keyboard or remote control via network
Communications:	Local area network, CD-ROM, Floppy Disk
Protocol emulations:	Gerber, RS 274-X, HP-GL, Fire 9000 PostScript, TIFF, PCX, others on request
User languages:	English, German, French, Spanish
User interface:	Netlink queue and plot manager (Win 9x, 2000 and XP compatible) – runs from anywhere on your host network
Sheet feeder:	100 sheets of film, film cycle time 1-2 min depending on film processor speed

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 film during its continuous movement across the film surface. Positioning is controlled in real time by high resolution linear encoders. This makes MIVA photoplotters fast and accurate. The ultra reliable light source allows years of operation with red, green or blue sensitive films or glass plates.

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