

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.

Accuracy	Absolute: ± 0.5 mil / 12.5 µm Repeatability: ± 0.25 mil / 6 µm
Technology	XENON-LCD Raster Image Projection Technology
Media	Silver halide film or glass up to 0.25" thick. Red, green or blue light sensitive.
Maximum Image Size	Std: 24"x28" (610mm x 720mm)
Minimum Film Size	Std: No Limit
Maximum Film Size	Std: 24"x36" (610mm x 914mm)
Environment	Dependent on film sensitivity - red or green safe light darkroom.
Recommended atmosphere	20°C @ 50% relative humidity
Communications	Local area network, CD-ROM, Floppy Disk
Protocol emulations	Gerber, RS 274-X, HP-GL, Fire 9000
Optional Protocols	PostScript, TIFF, PCX, others on request
User Languages	English, German, French, Spanish
User Interface	Simple instructions for programming and operation by keyboard or optional remote control via network.
Option: Network User interface	Netlink queue and plot manager (Win 9x, 2000 and XP compatible) – runs from anywhere on your host network.
Physical dimensions (W x D x H)	Std: 53" x 45" x 40" (1350 mm x 1150 mm x 965 mm)
Weight (Uncrated)	Std: 726 lbs (330 kg)
Power Requirement	230 VAC, 50/60 Hz, 250 W or 115 VAC, 50/60 Hz, 250 W

Standard Resolutions:

Standard Models	Plot Times (max image size) @ Standard Resolutions	Minimum Structure Size
2512E T3	3,000 dpi @ 3.0 min 6,000 dpi @ 6.0 min 12,000 dpi @ 12.0 min	1.4 mil(35 µm)
2516E T3	4,000 dpi @ 4.8 min 8,000 dpi @ 9.5 min 16,000 dpi @ 19.1 min	1.0 mil(25 µm)
2524E T3	6,000 dpi @ 9.0 min 12,000 dpi @ 18.0 min 24,000 dpi @ 37.0 min	0.8 mil(20 µm)

Manufactured by:

Miva Technologies, GmbH
17 Benzstrasse, Schönaich, Germany 71101
Website: www.MivaTec.com

Distributed in North America by:

Global Buyers Group
PO Box 893, Concordville PA 19331
Phone: 610-358-5120 • Fax: 610-358-5121