



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	16" x 22" (410 mm x 550 mm)
Minimum Film Size	No limit
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
Option: Plotter desk	With film drawers
Physical dimensions (W x D x H)	45" x 31.5" x 16" (1140 mm x 800 mm x 415 mm)
Weight (Uncrated)	308 lbs (140 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
1606E	3,000 dpi @ 2.5 min 6,000 dpi @ 5.0 min	2.8 mil / 70 µm
1612E T3	3,000 dpi @ 2.5 min 6,000 dpi @ 5.0 min 12,000 dpi @ 10.0 min	1.4 mil / 35 µm
1616E T3	4,000 dpi @ 5.0 min 8,000 dpi @ 10.0 min 16,000 dpi @ 20.0 min	1.0 mil / 25 µm
1624E T3	6,000 dpi @ 7.0 min 12,000 dpi @ 14.0 min 24,000 dpi @ 28.0 min	0.8 mil / 20 µm

Manufactured by:

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