

First EIE SA

New RP212+XT Photoplotter



RP212+XT

GENERAL Specifications



Exposing unit	Max. Exposure area	660 x 520 mm (26" x 20,5")	•
	Compatible film lengths	12", 18", 20", 24", 25.5" and 26"	•
	Compatible film widths	Any width larger than 300 mm (12") up to 520 mm (20,5")	•
	Film thickness	0.18 mm (7 mils)	•
	Film holding	By vacuum	•
	Drum speed	Variable, up to 130 RPM	•
	Exposure device	512 beam SDH3 head with light intensity equalization	•
	Light wavelength	Monochromatic red light, 647 nm	•
	Drum position control	High resolution encoder	•
Built in Raster image processor	Data input formats	RS274D, RS274X, DPF and EIE RPL	•
	Optional input formats	ODB++, PostScript, TIFF-PACKBITS, PDF	Option
	Via third party software	DXF, DWG, other upon request	Option
	Network compatibility	Network File System TCP-IP	•
User interface	Queue Manager Software supporting 30 plot queues. Each one can be setup with more than 15 different plot parameters		•
Integrated autoloader	Compatible film lengths	12", 18", 20", 24", 25.5" and 26"	•
	Compatible film widths	Any width larger than 300 mm (12") up to 520 mm (20,5")	•
	Film magazine	Up to 120 films with automatic film counter	•
	Load / unload cycle	25 / 20 sec. for maximum film size	•
	Daylight operation	Yes, except during film refill and removal	•
Size and weight	Length x Width x Height	1150 x 650 x 1050 mm (45.3" x 25.6" x 41.3")	•
	Weight	365 kg (825 lbs) including autoloader	•
Operating conditions	Temperature	20 ± 2° C	•
	Relative humidity	45% ± 3%	•
	Power requirements	230 VAC ± 10%, 1400 W including vacuum pump	•
Optional Film conveyor C200	Compatibility	Compatible with most film processors	•
	Length x Width x Height	850 x 570 x 120 mm (33.5" x 22.4" x 4.7")	•
	Weight	33 kg (75 Lbs)	•
Autoloader	Yes		•
Spot size	6 µm (0.24 mil)		•
Selectable resolutions	4000, 8000 dpi and 12000 dpi		•
Carriage position control	Linear glass scale		•
Exposure speed (For a 24" x 20" plot)	Minutes at 4000 dpi		1.6
	Minutes at 8000 dpi		2.4
	Minutes at 12000 dpi		3.6
Overall accuracy	± 10 µm (± 0.4 mil)		•
Repeatability	± 3 µm (± 0.12 mil)		•
Minimum line width	35 µm (1.4 mil) at 4000 dpi		•
	20 µm (0.8 mil) at 8000 dpi		•
	12 µm (0.5 mil) at 12000 dpi		•
Line width variation	Less than 4 µm peak to peak at 4000 dpi		•
	About 3 µm peak to peak at 8000 dpi		•
	About 2 µm peak to peak at 12000 dpi		•

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New RP312+XT Photoplotter



RP312+XT

GENERAL Specifications



Exposing unit	Max. Exposure area	914 x 660 mm (36" x 26")	●
	Compatible film lengths	18", 20", 24", 25.5", 26", 28", 30", 32" and 36"	●
	Compatible film widths	Any width larger than 300 mm (12") up to 660 mm (26")	●
	Film thickness	0.18 mm (7 mils)	●
	Film holding	By vacuum	●
	Drum speed	Variable, up to 100 RPM	●
	Exposure device	512 beam SDH3 head with light intensity equalization	●
	Light wavelength	Monochromatic red light, 647 nm	●
	Drum position control	High resolution encoder	●
Built in Raster image processor	Data input formats	RS274D, RS274X, DPF and EIE RPL	●
	Optional input formats	ODB++, PostScript, TIFF-PACKBITS, PDF	Option
	Via third party software	DXF, DWG, other upon request	Option
	Network compatibility	Network File System TCP-IP	●
User interface	Queue Manager Software supporting 30 plot queues. Each one can be setup with more than 15 different plot parameters		●
Environment monitoring	Temperature and humidity recorded for each plot		With Dual loader option
Single size autoloader	Compatible film lengths	18", 20", 24", 25.5", 26", 28", 30", 32" and 36"	●
	Film magazine	Up to 100 films	●
Dual size autoloader	Compatible film lengths 1° tray	18", 20", 24", 25.5", 26", 28", 30", 32" and 36"	With Dual loader option
	2° tray	18", 20", 24", 25.5" and 26"	
Integrated autoloader	Film magazine	Up to 50 films per each tray	With Dual loader option
	Compatible film widths	Any width larger than 300 mm (12") up to 660 mm (26")	●
Size and weight	Load / unload cycle	35 / 25 sec. for maximum film size	●
	Daylight operation	Yes, except during film refill and removal	●
	Length x Width x Height	1330 x 750 x 1400 mm (52.4" x 29.5" x 55.1")	●
Operating conditions	Weight	520 kg (1172 lbs) including single size autoloader	●
		535 kg (1206 lbs) including dual size autoloader	With Dual loader option
	Temperature	20 ± 2° C	●
Optional Film conveyor C300 B	Relative humidity	45% ± 3%	●
	Power requirements	230 VAC ± 10%, 1400 W including vacuum pump	●
	Compatibility	Compatible with most film processors	●
Autoloader	Length x Width x Height	880 x 697 x 140 mm (34.6" x 27.5" x 5.5")	●
	Weight	36 kg (81 Lbs)	●
Spot size	Yes		●
Selectable resolutions	6 µm (0.24 mil)		●
Carriage position control	4000, 8000 dpi and 12000 dpi		●
Exposure speed (For a 34" x 20" plot)	Linear glass scale		●
	Minutes at 4000 dpi		2.1
	Minutes at 8000 dpi		3.2
Overall accuracy	Minutes at 12000 dpi		4.8
	± 10 µm (± 0.4 mil)		●
	± 3 µm (± 0.12 mil)		●
Repeatability	35 µm (1.4 mil) at 4000 dpi		●
	20 µm (0.8 mil) at 8000 dpi		●
	12 µm (0.5 mil) at 12000 dpi		●
Minimum line width	Less than 4 µm peak to peak at 4000 dpi		●
	About 3 µm peak to peak at 8000 dpi		●
	About 2 µm peak to peak at 12000 dpi		●
Line width variation			●
			●
			●