

GENERAL Specifications

		RP208+ST	RP212+ST	
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	256 beam STH head with light intensity equalization	●	●
	Light wavelength	Monochromatic red light, 647 nm	●	●
	Drum position control	Through high resolution encoder	●	●
Raster Image Processor	Type	Built-in, provides "on-the-fly" rasterization Based on Windows XP and First EIE's MPS	●	●
	Data input formats	RS274D, RS274X, EIE RPL and DPF	●	●
	Optional input formats	TIFF, PACKBITS, Image 5000, ODB++ Via third party software: HPGL, DXF	●	●
	Network compatibility	NetBEUI, 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 150 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	12.7 µm (0.5 mil)	●		
	8.5 µm (0.33 mil)		●	
Selectable resolutions	2000, 4000 dpi and 8000 dpi	●		
	3000, 6000 dpi and 12000 dpi		●	
Carriage position control	Through Linear glass scale	●	●	
Exposure speed (For a 24" x 20" plot)	Minutes at 2000 dpi	1.6		
	Minutes at 3000 dpi		2.0	
	Minutes at 4000 dpi	2.6		
	Minutes at 6000 dpi		4.0	
	Minutes at 8000 dpi	4.8		
	Minutes at 12000 dpi		11.3	
Overall accuracy	± 12 µm (± 0.5 mil)	●		
	± 10 µm (± 0.4 mil)		●	
Repeatability	± 3 µm (± 0.12 mil)	●	●	
Minimum line width	50 µm (2 mils) at 2000 dpi	●		
	34 µm (1.33 mil) at 3000 dpi		●	
	25 µm (1 mil) above 4000 dpi	●		
	17 µm (0.67 mil) at 12000 dpi		●	
Line width variation	Less than 4 µm peak to peak	●	●	
	About 3 µm peak to peak at 8000 dpi	●		
	About 2 µm peak to peak at 12000 dpi		●	

METRIC RESOLUTIONS AVAILABLE ON REQUEST - SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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		RP308 ₊ ST	RP312 ₊ ST
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	One 256 beam STH head with light intensity equalization	●
	Light wavelength	Monochromatic red light, 647 nm	●
	Drum position control	Through high resolution encoder	●
Raster Image Processor	Type	Built-in, provides "on-the-fly" rasterization Based on Windows XP and First EIE's MPS	●
	Data input formats	RS274D, RS274X, EIE RPL and DPF	●
	Optional input formats	TIFF, PACKBITS, Image 5000, ODB++ Via third party software: HPGL, DXF	●
	Network compatibility	NetBEUI, 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	OPTION DL	OPTION DL
Single size integrated autoloader	Compatible film lengths	18", 20", 24", 25.5", 26", 28", 30", 32" and 36"	●
	Film magazine	Up to 100 films	●
	Compatible film lengths 1° tray	18", 20", 24", 25.5", 26", 28", 30", 32" and 36"	●
Dual size integrated autoloader	2° tray	18", 20", 24", 25.5" and 26"	●
	Film magazine	Up to 50 films per each tray	●
	Compatible film widths	Any width larger than 300 mm (12") up to 660 mm (26")	●
	Load / unload cycle	35 / 25 sec. for maximum film size	●
Daylight operation	Yes, except during film refill and removal	●	●
Size and weight	Length x Width x Height	1330 x 750 x 1400 mm (52.4" x 29.5" x 55.1")	●
	Weight	520 kg (1172 lbs) including autoloader 535 kg (1206 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 C300 B	Compatibility	Compatible with most film processors	●
	Length x Width x Height	880 x 697 x 140 mm (34.6" x 27.5" x 5.5")	●
	Weight	36 kg (81 Lbs)	●
Autoloader	Yes	●	●
Spot size	12.7 µm (0.5 mil)	●	
	8.5 µm (0.33 mil)		●
Selectable resolutions	2000, 4000 dpi and 8000 dpi	●	
	3000, 6000 dpi and 12000 dpi		●
Carriage position control	Through Linear glass scale	●	●
Exposure speed (For a 34" x 24" plot)	Minutes at 2000 dpi	2.4	
	Minutes at 3000 dpi		3.1
	Minutes at 4000 dpi	4.2	
	Minutes at 6000 dpi		6.4
	Minutes at 8000 dpi	7.7	
	Minutes at 9000 dpi		18.1
Overall accuracy	± 12 µm (± 0.5 mil)	●	
	± 10 µm (± 0.4 mil)		●
Repeatability	± 3 µm (± 0.12 mil)	●	●
Minimum line width	50 µm (2 mils) at 2000 dpi	●	
	34 µm (1.33 mil) at 3000 dpi		●
	25 µm (1 mil) above 4000 dpi	●	●
	17 µm (0.67 mil) at 12000 dpi		●
Line width variation	Less than 4 µm peak to peak	●	●
	About 3 µm peak to peak at 8000 dpi	●	
	About 2 µm peak to peak at 12000 dpi		●

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