

The new RP800+SXT line of photoplotters

		RP816+SXT RP817+SXT	RP824+SXT RP825+SXT	RP848+SXT RP850+SXT	
Exposing unit	Max. Exposure area	1422 x 864 mm (56" x 34")	•	•	•
	Compatible film lengths	26", 30", 32", 36", 38", 42", 48", 54" and 56"	•	•	•
	Compatible film widths	Any width larger than 508 mm (20") up to 864 mm (34")	•	•	•
	Film thickness	0.18 mm (7 mils)	•	•	•
	Film holding	By vacuum	•	•	•
	Drum speed	Variable, up to 65 RPM	•	•	•
	Exposure device	One 512 beam STH3 head with light intensity equalization	•	•	•
	Light wavelength	Monochromatic red light, 647 nm	•	•	•
Position control	Through high resolution encoder and glass scale	•	•	•	
Built in Raster image processor	Data input formats	RS274D, RS274X, DPF and EIE RPL	•	•	•
	Optional input formats	ODB++, PostScript, TIFF-PACKBITS, PDF	Option	Option	Option
	Via third party software	DXF, DWG, other upon request	Option	Option	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	•	•	•	
	Temperature and humidity recorded for each plot	•	•	•	
Environment monitoring	Compatible film lengths	26", 30", 32", 36", 38", 42", 48", 54" and 56"	•	•	•
	Compatible film widths	Any width larger than 508 mm (20") up to 864 mm (34")	•	•	•
Single size integrated autoloader	Film magazine	Up to 50 films with automatic film counter	•	•	•
	Load / unload cycle	50 / 40 sec. for maximum film size	•	•	•
	Daylight operation	Yes, except during film refill and removal	•	•	•
	Length x Width x Height	1600 x 1160 x 1700 mm (63" x 46" x 67")	•	•	•
Size and weight	Weight	650 kg (1450 lbs) including autoloader	•	•	•
	Temperature	20 ± 2° C	•	•	•
Operating conditions	Relative humidity	45% ± 3%	•	•	•
	Power requirements	230 VAC ± 10%, 1400 W including vacuum pump	•	•	•
	Compatibility	Compatible with most film processors	•	•	•
Optional Film conveyor C800	Length x Width x Height	1676 x 915 x 140 mm (66" x 36" x 5.5")	•	•	•
	Weight	80 kg (178 Lbs)	•	•	•
Spot size and selectable resolution	6 µm (0.24 mil)	4000, 8000, 12000 and 16000 dpi	•		
	4 µm (0.16 mil)	6000, 12000, 18000 and 24000 dpi		•	
	4 µm (0.16 mil)	6000, 12000, 18000, 24000 dpi and 48000 dpi			•
Exposure speed (For a 54" x 20" plot)	FOR IMPERIAL MODE	Minutes at 4000 dpi	3.0		
		Minutes at 6000 dpi		3.6	3.6
		Minutes at 8000 dpi	4.8		
		Minutes at 12000 dpi	7.2	7.2	7.2
		Minutes at 16000 dpi	9.6		
		Minutes at 18000 dpi		11.9	11.9
		Minutes at 24000 dpi		21.7	21.7
		Minutes at 48000 dpi			42.6
	FOR METRIC MODE	Minutes at 6µm	3.1		
		Minutes at 4µm		3.8	3.8
		Minutes at 3µm	5.1		
	Minutes at 2 µm	7.6	7.6	7.6	
	Minutes at 1.5 µm				
	Minutes at 1.33 µm		13.5	13.5	
	Minutes at 1 µm		24.3	24.3	
	Minutes at 0.5 µm			45.5	
Overall accuracy	± 20 µm (± 0.78 mil)	•	•	•	
Repeatability	± 5 µm (± 0.2 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 12000 dpi	•	•	•	
	About 2 µm peak to peak at 16000 dpi and above	•	•	•	

The new RP200+SXT line of photoplotters

GENERAL Specifications

		RP216+SXT RP217+SXT	RP224+SXT RP225+SXT	RP248+SXT RP250+SXT	
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	One 512 beam SDH3 head with light intensity equalization	•	•	•
	Light wavelength	Monochromatic red light, 647 nm	•	•	•
Position control	Through high resolution encoder & Linear Glass Scale	•	•	•	
Built in Raster image processor	Data input formats	RS274D, RS274X, DPF and EIE RPL	•	•	•
	Optional input formats	ODB++, PostScript, TIFF-PACKBITS, PDF	Option	Option	Option
	Via third party software	DXF, DWG, other upon request	Option	Option	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	•	•	•	
	Temperature and humidity recorded for each plot	•	•	•	
Environment monitoring	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	•	•	•
Size and weight	Daylight operation	Yes, except during film refill and removal	•	•	•
	Length x Width x Height	1150 x 650 x 1050 mm (45.3" x 25.6" x 41.3")	•	•	•
Operating conditions	Weight	365 kg (825 lbs) including autoloader	•	•	•
	Temperature	20 ± 2° C	•	•	•
	Relative humidity	45% ± 3%	•	•	•
Optional Film conveyor C200	Power requirements	230 VAC ± 10%, 1400 W including vacuum pump	•	•	•
	Compatibility	Compatible with most film processors	•	•	•
Autoloader	Length x Width x Height	850 x 570 x 120 mm (33.5" x 22.4" x 4.7")	•	•	•
	Weight	33 kg (75 Lbs)	•	•	•
Spot size	Yes	•	•	•	
	6 µm (0,24 mil)	•			
Selectable resolutions	4 µm (0,16 mil)		•	•	
	4000, 8000, 12000 and 16000 dpi	•			
	6µ, 3µ, 2µ and 1,5µ	•			
	6000, 12000, 18000 dpi and 24000 dpi		•		
	4µ, 2µ, 1.33µ and 1µ			•	
	6000, 12000, 18000, 24000 dpi and 48000 dpi				•
Exposure speed (For a 24" x 20" plot)	FOR IMPERIAL MODE	Minutes at 4000 dpi	1.6		
		Minutes at 6000 dpi		2.0	2.0
		Minutes at 8000 dpi	2.4		
		Minutes at 12000 dpi	3.6	3.6	3.6
		Minutes at 16000 dpi	4.8		
		Minutes at 18000 dpi		5.9	5.9
		Minutes at 24000 dpi		10.8	10.8
		Minutes at 48000 dpi			20.0
	FOR METRIC MODE	Minutes at 6µm	1.7		
		Minutes at 4µm		2.1	2.1
		Minutes at 3µm	2.5		
	Minutes at 2µm	3.8	3.8	3.8	
	Minutes at 1,5µm	5.2			
	Minutes at 1.33 µm		6.8	6.8	
	Minutes at 1 µm		12.1	12.1	
	Minutes at 0.5 µm			24.0	
Overall accuracy	± 10 µm (± 0.4 mil)	•	•	•	
Repeatability	± 3 µm (± 0.12 mil)	•	•	•	
Minimum line width	25 µm (1 mil) at 6 µm (4000 dpi)	•			
	17 µm (0.67 mil) at 4 µm (6000 dpi)	•			
	12 µm (0,47 mil) at 1,5 µm (16000 dpi)	•	•	•	
	8 µm (0,3 mil) at 1 µm (24000 dpi)	•			
	Bellow 8 µm (0,2 mil) at 0,5 µm (48000 dpi)	•			
Line width variation	Less than 3 µm peak to peak below 12000 dpi	•	•	•	
	About 2 µm peak to peak at 12000 dpi and above	•	•	•	

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

First EIE SA

The new RP300+SXT line of photoplotters

GENERAL Specifications

		RP316+SXT RP317+SXT	RP324+SXT RP325+SXT	
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 512 beam SDH3 head with light intensity equalization	•	
	Light wavelength	Monochromatic red light, 647 nm	•	
	Position control	Through high resolution encoder & Linear Glass Scale	•	
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	•	•	
Single size autoloader	Compatible film lengths	18", 20", 24", 25.5", 26", 28", 30", 32" and 36"	•	
	Film magazine	Up to 100 films with automatic film counter	•	
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"	With Dual loader Option	
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")	•	
	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	520kg (1172 lbs) including single size autoloader 535kg (1206 lbs) including dual size autoloader	With Dual loader Option	
Operating conditions	Temperature	20 ± 2° C	•	
	Relative humidity	45% ± 3%	•	
	Power requirements	230 VAC ± 10%, 1400 W including vacuum pump	•	
Optional Film conveyor C300B	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	6 µm (0,24 mil)	•	•	
	4 µm (0,16 mil)	•	•	
Selectable resolutions	4000, 8000, 12000 and 16000 dpi	•	•	
	6µ, 3µ, 2µ and 1,5µ	•	•	
	6000, 12000, 18000 dpi and 24000 dpi	•	•	
	4µ, 2µ, 1.33µ and 1µ	•	•	
Exposure speed (For a 34" x 20" plot)	FOR IMPERIAL MODE		RP316+SXT	RP324+SXT
	Minutes at 4000 dpi		2.1	
	Minutes at 6000 dpi			2.6
	Minutes at 8000 dpi		3.2	
	Minutes at 12000 dpi		4.8	4.8
	Minutes at 16000 dpi		6.4	
	Minutes at 18000 dpi			7.9
	Minutes at 24000 dpi			14.4
	FOR METRIC MODE		RP317+SXT	RP325+SXT
	Minutes at 6µm		2.2	
	Minutes at 4µm			2.8
	Minutes at 3µm		3.4	
	Minutes at 2µm		5.1	5.1
	Minutes at 1,5µm		7.0	
Minutes at 1.33 µm			9.0	
Minutes at 1 µm			16.1	
Overall accuracy	± 10 µm (± 0.4 mil)	•	•	
Repeatability	± 3 µm (± 0.12 mil)	•	•	
Minimum line width	25 µm (1 mil) at 6 µm (4000 dpi)	•	•	
	17 µm (0.67 mil) at 4 µm (6000 dpi)	•	•	
	12 µm (0,47 mil) at 1,5 µm (16000 dpi)	•	•	
	8 µm (0,3 mil) at 1 µm (24000 dpi)	•	•	
Line width variation	Less than 3 µm peak to peak below 12000 dpi	•	•	
	About 2 µm peak to peak at 12000 dpi and above	•	•	

First EIE SA

The new RP700+SXT line of photoplotters

GENERAL Specifications

		RP716+SXT RP717+SXT	RP724+SXT RP725+SXT	RP748+SXT RP750+SXT	
Exposing unit	Max. Exposure area	914 x 720 mm (36" x 28")	•	•	
	Compatible film lengths	18", 20", 24", 25.5", 26", 28", 30", 32" and 36"	•	•	
	Compatible film widths	Any width larger than 400 mm (16") up to 720 mm (28")	•	•	
	Film thickness	0.18 mm (7 mils)	•	•	
	Film holding	By vacuum	•	•	
	Drum speed	Variable, up to 100 RPM	•	•	
	Exposure device	One 512 beam SDH3 head with light intensity equalization	•	•	
	Light wavelength	Monochromatic red light, 647 nm	•	•	
	Position control	Through high resolution encoder & Linear Glass Scale	•	•	
Built in Raster image processor	Data input formats	RS274D, RS274X, DPF and EIE RPL	•	•	
	Optional input formats	ODB++, PostScript, TIFF-PACKBITS, PDF	Option	Option	
	Via third party software	DXF, DWG, other upon request	Option	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	•	•	•	
Single size autoloader	Compatible film lengths	18", 20", 24", 25.5", 26", 28", 30", 32" and 36"	•	•	
	Film magazine	Up to 100 films with automatic film counter	•	•	
Dual size autoloader	Compatible film lengths 1° tray	20", 24", 25.5", 26", 28", 30", 32" and 36"	Option	Option	
	2° tray	18", 20", 24", 25.5" and 26"	Option	Option	
Integrated autoloader	Film magazine	Up to 150 films per each tray with automatic film counter	With Dual loader Option	With Dual loader Option	
	Compatible film widths	Any width larger than 400 mm (16") up to 720 mm (28")	•	•	
	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	1450 x 870 x 1400 mm (57" x 34,3" x 55,1")	•	•	
	Weight	620kg (1395 lbs) including single size autoloader 670kg (1507 lbs) including dual size autoloader	•	With Dual loader Option	
Operating conditions	Temperature	20 ± 2° C	•	•	
	Relative humidity	45% ± 3%	•	•	
	Power requirements	230 VAC ± 10%, 1400 W including vacuum pump	•	•	
Optional Film conveyor C700	Compatibility	Compatible with most film processors	•	•	
	Length x Width x Height	880 x 760 x 140 mm (34.6" x 29,9" x 5.5")	•	•	
	Weight	41 kg (92 Lbs)	•	•	
Autoloader	Yes	•	•	•	
Spot size	6 µm (0,24 mil)	•	•	•	
	4 µm (0,16 mil)	•	•	•	
Selectable resolutions	4000, 8000, 12000 and 16000 dpi	•	•	•	
	6µ, 3µ, 2µ and 1,5µ	•	•	•	
	6000, 12000, 18000 dpi and 24000 dpi	•	•	•	
	4µ, 2µ, 1.33µ and 1µ	•	•	•	
	6000, 12000, 18000, 24000 dpi and 48000 dpi	•	•	•	
	4µ, 2µ, 1.33µ, 1µ and 0,5µ	•	•	•	
Exposure speed (For a 34" x 20" plot)	FOR IMPERIAL MODE		RP716+SXT	RP724+SXT	RP748+SXT
	Minutes at 4000 dpi		2.1		
	Minutes at 6000 dpi			2.6	2.6
	Minutes at 8000 dpi		3.2		
	Minutes at 12000 dpi		4.8	4.8	4.8
	Minutes at 16000 dpi		6.4		
	Minutes at 18000 dpi			7.9	7.9
	Minutes at 24000 dpi			14.4	14.4
	Minutes at 48000 dpi				28.3
	FOR METRIC MODE		RP717+SXT	RP725+SXT	RP750+SXT
	Minutes at 6µm		2.2		
	Minutes at 4µm			2.7	2.7
	Minutes at 3µm		3.4		
	Minutes at 2µm		5.1	5.1	5.1
Minutes at 1,5µm		7.0			
Minutes at 1.33 µm			9.0	9.0	
Minutes at 1 µm			16.1	16.1	
Minutes at 0,5 µm				31.7	
Overall accuracy	± 10 µm (± 0.4 mil)	•	•	•	
Repeatability	± 3 µm (± 0.12 mil)	•	•	•	
Minimum line width	25 µm (1 mil) at 6 µm (4000 dpi)	•	•	•	
	17 µm (0.67 mil) at 4 µm (6000 dpi)	•	•	•	
	12 µm (0,47 mil) at 1,5 µm (16000 dpi)	•	•	•	
	8 µm (0,3 mil) at 1 µm (24000 dpi)	•	•	•	
	Bellow 8 µm (0,2 mil) at 0,5 µm (48000 dpi)	•	•	•	
Line width variation	Less than 3 µm peak to peak below 12000 dpi	•	•	•	
	About 2 µm peak to peak at 12000 dpi and above	•	•	•	