

# GENERAL Specifications

		RP308 <sub>+</sub> ST	RP312 <sub>+</sub> ST
<b>Exposing unit</b>	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	●
<b>Raster Image Processor</b>	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	●
<b>User interface</b>	Queue Manager Software supporting 30 plot queues. Each one can be setup with more than 15 different plot parameters		●
<b>Environment monitoring</b>	Temperature and humidity recorded for each plot	OPTION DL	OPTION DL
<b>Single size integrated autoloader</b>	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"	●
<b>Dual size integrated autoloader</b>	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	●	●
<b>Size and weight</b>	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	●
<b>Operating conditions</b>	Temperature	20 ± 2° C	●
	Relative humidity	45% ± 3%	●
	Power requirements	230 VAC ± 10%, 1400 W including vacuum pump	●
<b>Optional Film conveyor C300 B</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)	●
<b>Autoloader</b>	Yes	●	●
<b>Spot size</b>	12.7 µm (0.5 mil)	●	
	8.5 µm (0.33 mil)		●
<b>Selectable resolutions</b>	2000, 4000 dpi and 8000 dpi	●	
	3000, 6000 dpi and 12000 dpi		●
<b>Carriage position control</b>	Through Linear glass scale	●	●
<b>Exposure speed (For a 34" x 24" plot)</b>	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
<b>Overall accuracy</b>	± 12 µm (± 0.5 mil)	●	
	± 10 µm (± 0.4 mil)		●
<b>Repeatability</b>	± 3 µm (± 0.12 mil)	●	●
<b>Minimum line width</b>	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		●
<b>Line width variation</b>	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