SilverWriter
8800-P
8820-P
8850-P

Technical Data

Resolutions			
Imperial	4,000 up to 25,000 ppi & 2000 ppi draft quality		
Metric	6.25 µm up to 1 µm & 12.5 µm draft quality		
Min. line width	0.4 mil	10 µm	
Productivity for an 18" x 24" panel	**8800-P**	**8820-P**	**8850-P**
2,000 ppi (in films / hour)	13.1	21.5	31.7
4,000 ppi (in films / hour)	7.4	13.1	21.5
8,000 ppi (in films / hour)	3.9	7.4	13.1
16,000 ppi (in films / hour)	2.0	3.9	7.4
25,000 ppi (in films / hour)	0.9	1.9	3.6
Film Requirements			
Film format along the drum	18" – 32" in ½" steps	457 – 813 mm	
Film format around the drum	24" – 29" in 1" steps	610 – 736 mm	
Max. image format along the drum	0.2" (5 mm) less than film format		
Max. image format around the drum	0.9" (23 mm) less than film format		
Sheet tolerance	± 0.02"	± 0.5 mm	
Accuracy			
Geometric plotter accuracy	< 0.16 mil	< 4 µm	
Geometric plotter repeatability	< 0.08 mil	< 2 µm	
Global positioning accuracy	0.01 mil	0.25 µm	
Geometric accuracy on film	< 0.5 mil	< 12.5 µm	
Geometric repeatability on film	< 0.5 mil	< 12.5 µm	
Line-width accuracy	< 0.08 mil	< 2 µm	
Scaling adjustments	in steps of 0.2 µm		
Scaling adjustment range	± 5%		
Machine Characteristics			
Loading capacity	Up to 3 magazines. 150 sheets of film in each		
Light source	red HeNe laser, 632.8 nm, 5 mW		
Dimensions (W x D)	72.8" x 61"	1850 x 1550 mm	
Height	54.3"	1380 mm	
Weight	3300 lbs	1500 kg	
Room temperature during operation	70° F ± 2°	21° C ± 1°	
Relative humidity during operation	50% ± 2%, no condensation		
Relative humidity rate of change	Max 6% per hour		
Electrical Power Supply	2 x 230 VAC, 2,000 VA		
Heat dissipation	2,000 W (1,725 kcal/h)		
Compressed air supply	87 – 145 PSI	6 – 10 bar	
Compressed air quality	free of oil and water	0.01 mg/m³	
Compressed air volume	88 ft^3/hour	2500 l/hour	

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