



Dolev

800V+/800V²/800V³

Specifications

Table 1: Technology

	Dolev 800V+	Dolev 800V²	Dolev 800V³
Structure	Large-format, Internal Drum	Large-format, Internal Drum	Large-format, Internal Drum
Light Source	Laser Diode 650 nm wavelength Light Power 5 milliwatts	Laser Diode 650 nm wavelength Light Power 5 milliwatts	Laser Diode 650 nm wavelength Light Power 5 milliwatts
Spot Size	variable, 10-25 microns	variable, 10-25 microns	variable, 10-25 microns
Repeatability	±5µm over the full format of successively imaged films, disregarding any distortion caused by temperature, humidity and film material.	±5µm over the full format of successively imaged films, disregarding any distortion caused by temperature, humidity and film material.	±5µm over the full format of successively imaged films, disregarding any distortion caused by temperature, humidity and film material.
Spinner	Air bearing up to 24,000 rpm	Air bearing up to 45,000 rpm	Air bearing up to 45,000 rpm
Raw Imaging Speed			
@100 lpmm/ 2540 dpi	37.27 cm ² /second (346 in ² /min)	60.7 cm ² /second (564 in ² /min)	4995 / 774
@ 80 lpmm/ 2032 dpi			6283 / 974
@ 50 lpmm/ 1270 dpi	89.3 cm ² /second (831 in ² /min)	94.9 cm ² /second (882 in ² /min)	10053 / 1558
Throughput	(full formats per hour)	(full formats per hour)	(full formats per hour)
@100 lpmm/ 2540 dpi	10 full formats/hr (80 A4 pages/hr)	16.2 full formats/hr (130 A4 pages/hr)	23 full formats/hr
@ 80 lpmm/ 2032 dpi	12 full formats/hr (96 A4 pages/hr)	21.4 full formats/hr (171 A4 pages/hr)	27 full formats/hr

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	Dolev 800V+	Dolev 800V²	Dolev 800V³
@ 50 lpmm/ 1270 dpi	17 full formats/hr (136 A4 pages/hr)	28.6 full formats/hr (229 A4 pages/hr)	36 full formats/hr
Brisque	TSP / VLSI	TSP	TSP 100

Table 2: Image Features

	Dolev 800V+	Dolev 800V²	Dolev 800V³
Maximum Net Image Area	838 x 1117 mm (33 x 44 in)	838 x 1117 mm (33 x 44 in)	838 x 1117 mm (33 x 44 in)
Page Formats Capability	Up to 8*A4, 4*A3, 2*A2, 8*B4, 4*B3, 2*B2, 1*B1	Up to 8*A4, 4*A3, 2*A2, 8*B4, 4*B3, 2*B2, 1*B1	Up to 8*A4, 4*A3, 2*A2, 8*B4, 4*B3, 2*B2, 1*B1
Press Formats Capability	Heidelberg GTO, SM52, SM74, SM102 MAN Roland 100, 200. 600 Komori 26, 28, 44	Heidelberg GTO, SM52, SM74, SM102 MAN Roland 100, 200. 600 Komori 26, 28, 44	Heidelberg GTO, SM52, SM74, SM102 MAN Roland 100, 200. 600 Komori 26, 28, 44
Resolution	50-200 pixels/mm, 1270-5080 dpi; continuously variable. Optional lower and higher resolutions	50-200 lpm, 1270-5080 dpi; continuously variable. Up to 400 lpm (10,000 dpi) for security printing models (UHR)	50-200 lpm, 1270-5080 dpi; continuously variable. Up to 400 lpm (10,000 dpi) for security printing models (UHR)
Screen Technology	Creo Turbo Screening including conventional dot shapes: round, square, diamond, gravure. Creo composite, GeometricDOT and FM.	Creo Turbo Screening including conventional dot shapes: round, square, diamond, gravure. Creo composite, GeometricDOT and FM.	Creo Turbo Screening including conventional dot shapes: round, square, diamond, gravure. Creo composite, GeometricDOT and FM.

Table 2: Image Features

	Dolev 800V+	Dolev 800V²	Dolev 800V³
Screen Ruling	(frequency) 20-246 lpcm / 50-625 lpi	(frequency) 20-246 lpcm / 50-625 lpi	(frequency) 20-246 lpcm / 50-625 lpi
Screen Angles	User-selectable from a variety of preset angles.	User-selectable from a variety of preset angles.	User-selectable from a variety of preset angles.

Table 3: Media and Related Features

	Dolev 800V+	Dolev 800V²	Dolev 800V³
Types of Media	Roll, medium to high contrast, red sensitive, film or polyester plates	Roll, medium to high contrast, red sensitive, film or polyester plates	Roll, medium to high contrast, red sensitive, film or polyester plates
Media Width	254-863 mm in steps of 25.4 mm 10–34 in. in steps of 1 in	254-863 mm in steps of 25.4 mm 10–34 in. in steps of 1 in	254-863 mm in steps of 25.4 mm 10–34 in. in steps of 1 in
Media Length (inside Drum)	Min. 420 mm (15 in); Max. 1200 mm (47 in)	Min. 450 mm (16 in); Max. 1200 mm (47 in)	Min. 450 mm (16 in); Max. 1200 mm (47 in)
Thickness and Capacity	60 m/200 ft at 0.1 mm/4 mil 30 m/100 ft at 0.2mm/8 mil	60 m/200 ft at 0.1 mm/4 mil 30 m/100 ft at 0.2mm/8 mil	60 m/200 ft at 0.1 mm/4 mil 30 m/100 ft at 0.2mm/8 mil

Table 3: Media and Related Features

	Dolev 800V+	Dolev 800V²	Dolev 800V³
Load/ Unload System	Fully automatic from three selectable loading cassettes. Vacuum film hold-down. Dual unload options: unload cassette or inline processor.	Fully automatic from three selectable loading cassettes. Vacuum film hold-down. Dual unload options: unload cassette or inline processor.	Fully automatic from three selectable loading cassettes. Vacuum film hold-down. Dual unload options: unload cassette or inline processor.
Loading Cassette	Three different size cassettes for rolls, including daylight film. Sizes up to: 304, 508, 863 mm (12, 20, 34 in) or Two optional large (863 mm/ 34 in) cassettes instead of three cassettes.	Three different size cassettes for rolls, including daylight film. Sizes up to: 304, 508, 863 mm (12, 20, 34 in) or Two optional large (863 mm/ 34 in) cassettes instead of three cassettes.	Three different size cassettes for rolls, including daylight film. Sizes up to: 304, 508, 863 mm (12, 20, 34 in) or Two optional large (863 mm/ 34 in) cassettes instead of three cassettes.
Unloading Cassette	One, accumulating cut sheet type, 12 sheets capacity for 0.1 mm/4-mil film.	One, accumulating cut sheet type, 12 sheets capacity for 0.1 mm/4-mil film.	One, accumulating cut sheet type, 12 sheets capacity for 0.1 mm/4-mil film.
Inline Processor	Optional (refer to recommended list)	Optional(refer to recommended list)	Optional(refer to recommended list)
Punch System	Customized head punch up to 10 holes. Optional, Bacher and Stasser standard.	Customized head punch up to 10 holes. Optional, Bacher and Stasser standard.	Customized head punch up to 10 holes. Optional, Bacher and Stasser standard.

Table 4: Environment

	Dolev 800V+	Dolev 800V²	Dolev 800V³
Electrical Requirements	200/220/240 VAC, ± 10% Europe: Single Phase, 50/60 Hz ± 2 Hz USA/Japan: 2 Phase 50/60 Hz ± 2 Hz Power Less than 3 KVA	200/220/240 VAC, ± 10% Europe: Single Phase, 50/60 Hz ± 2 Hz USA/Japan: 2 Phase 50/60 Hz ± 2 Hz Power Less than 3 KVA	200/220/240 VAC, ± 10% Europe: Single Phase, 50/60 Hz ± 2 Hz USA/Japan: 2 Phase 50/60 Hz ± 2 Hz Power Less than 3 KVA
Operating Environment			
Temperature:	23°C ± 3°C 73.4°F ± 5.4°F	23°C ± 3°C 73.4°F ± 5.4°F	23°C ± 3°C 73.4°F ± 5.4°F
Relative Humidity:	55% ± 5% RH	55% ± 5% RH	55% ± 5% RH
Audible Noise:	<55dbA	<55dbA	<55dbA
Heat Dissipation:	2500 BTU/hr	2500 BTU/hr	2500 BTU/hr
Area Requirements	6.7 square meters	6.7 square meters	6.7 square meters

Table 5: Physical Dimensions

	Dolev 800V+	Dolev 800V²	Dolev 800V³
Dimensions	Height: 1230 mm (48 in) Width: 1650 mm (65 in) Depth: 1000 mm (39 in)	Height: 1230 mm (48 in) Width: 1650 mm (65 in) Depth: 1000 mm (39 in)	Height: 1230 mm (48 in) Width: 1650 mm (65 in) Depth: 1000 mm (39 in)
Weight	550 kg (1210 lb)	550 kg (1210 lb)	550 kg (1210 lb)