

# Dolev 800V<sup>2</sup> Dolev 800V

versatile, high-quality 8-page imagesetter



High-speed, large-format imagesetters for commercial printing

- fully automated film loading, imaging, and unloading
- fully integrated with Creo workflow solutions
- accurate, consistent Turbo Screening
- filmsetting or short-run polyester CTP
- based on the trusted, reliable Dolev 800 platform

Produce consistent, high-quality film, with a Dolev<sup>®</sup> 800V<sup>2</sup> or Dolev 800V large-format imagesetter. Featuring high-quality imaging and fully automatic loading and unloading, these imagesetters are designed for production environments where performance and flexibility are essential. Compatible with most popular workflows, Dolev 800 imagesetters are ideally driven by powerful Creo workflow software that offers fast, automatic RIPing, trapping and automatic picture replacement.

#### Turbo Screening, variable resolution and CTP capability deliver quality and flexibility

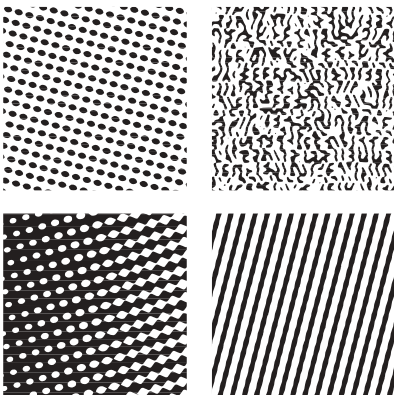
On both Dolev 800V<sup>2</sup> and 800V models, Turbo Screening™ technology is the basis for superb, repeatable screen quality. Turbo Screening technology accelerates data handling and produces consistent, high-quality imaging, with enhanced gray levels, for superb screen quality and excellent vignettes.

Dolev 800V<sup>2</sup> and 800V imagesetters feature continuously-variable resolution, to match any job, from fine art reproduction, to packaging or newspaper printing. For added flexibility, they can alternately expose film or polyester plates, allowing you to expand into short run computer-to-plate (CTP) production.

#### Cassette and custom punching options for fast production with precise registration

Choose the cassette loading option that best suits your production needs. The 3-cassette loader offers the versatility of three different film widths, while the 2-cassette loader is for high-volume production, permitting long periods of unattended production.

The optional customized head punch prepares pre-punched, plate-ready film, eliminating registration problems and making stripping, external punching or cross-punching unnecessary.



Turbo Screening Technology TSP 100

creo™

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## Choose the Dolev 8-page model that meets your imaging and throughput requirements

### Dolev 800V<sup>2</sup>

#### high-throughput, versatile CTF production

The Dolev 800V<sup>2</sup> imagesetter features Turbo Screening and the automation and reliability of the Dolev platform, with a production capacity of at least 16 full-format flats per hour at 2,540 dpi. The Dolev 800V<sup>2</sup> can be upgraded to the Dolev 800V<sup>3</sup> imagesetter, for higher throughput, advanced TSP100 Turbo Screening, and a higher-speed load/unload mechanism.

The Dolev 800V<sup>2</sup> UHR is a special-purpose model for security printing, with ultra-high resolutions up to 10,000 dpi (400 lpmm), and special optical assemblies for the printing of banknotes, bonds, credit cards, and other high-security documents.

### Dolev 800V

#### proven performance in imagesetting

The entry-level Dolev 800V device offers renowned Dolev reliability, Turbo Screening, and a throughput of 10 full-format flats per hour at 2,540 dpi.

## Dolev 800V<sup>2</sup> / Dolev 800V Product Specifications

	Dolev 800V <sup>2</sup>	Dolev 800V
<b>General Specifications</b>		
Technology	Laser diode 650 nm wavelength, internal drum, 10 to 25 micron spot size, air-bearing spinner up to 24,000 RPM	Laser diode 650 nm wavelength, internal drum, 10 to 25 micron spot size, air-bearing spinner up to 45,000 RPM
Raw imaging speed at 2,540 dpi (100 lpmm)	565 sq in (3,642 sq cm) per min	415 sq in (2,680 sq cm) per min
at 2,032 dpi (80 lpmm)	882 sq in (5,694 sq cm) per min	519 sq in (3,351 sq cm) per min
at 1,270 dpi (50 lpmm)	1,558 sq in (10,056 sq cm) per min	831 sq in (5,361 sq cm) per min
Throughput at 2,540 dpi (100 lpmm)	16 full formats per hr	10 full formats per hr
at 2,032 dpi (80 lpmm)	22 full formats per hr	12 full formats per hr
at 1,270 dpi (50 lpmm)	29 full formats per hr	17 full formats per hr
Repeatability and accuracy	± 5 microns, over the full format of successively imaged films, disregarding any distortion caused by temperature, humidity and substrate	
Load/unload systems	Fully automatic, daylight loading, choice of load from 3 cassettes, dual unload to an unload cassette or an inline processor  2-cassette option: two 34 in (863 mm) cassettes, with a capacity of 200 ft (60 m) of 4 mil (0.1 mm) film, or 100 ft (30 m) of 8 mil (0.2 mm) film  3-cassette option: three different sized cassettes for rolls, including daylight film: 12, 20 and 34 in (304, 508 and 863 mm)	
Punches	Optional, customized head with up to 10 punches	
Workflow connectivity	Creo Brisque™ Creo PS/M Creo Prinergy* (via 1-bit TIFF) Third-party connectivity	

(cont.)

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## Dolev 800V<sup>2</sup> / Dolev 800V Product Specifications cont'd

	Dolev 800V <sup>2</sup>	Dolev 800V
<b>Imaging Specifications</b>		
Resolution	Continuously variable 1,270 to 2,540 dpi 50 to 200 lpmm	
Security printing	Dolev 800V <sup>2</sup> UHR: up to 400lpmm / 10,000 dpi and 5 micron dot size, max spinner speed 12,000 RPM	Not available
Screening technology	Turbo Screening, including conventional dot shapes: round, square diamond, gravure, Creo Composite, GeometricDOT and FM	
Screen ruling (frequency)	50 to 625 lpi (20 to 246 lpcm)	
Maximum image area	33 x 44 in (838 x 1,117 mm)	
<b>Media Specifications</b>		
Media type	Red-sensitive film or polyester, roll, medium to high contrast	
Media		
Width	10 to 34 in (254 to 863 mm) in 1 in (25.4 mm) increments	
Length	15 to 47 in (450 to 1200 mm)	
Thickness	4 to 8 mil (0.1 to 0.2 mm) thick	
Cassette capacity	60m / 200ft to 30m / 100ft	
<b>Physical Specifications</b>		
Operating Environment		
Temperature	73.4±5.4°F (23±3°C)	
Humidity	55±5% relative humidity	
Heat dissipation	< 2,500 BTU per hr	
Noise	< 55 dBA	
Electrical Requirements		
Voltage and current	200/220/240 Vac±10%, 50/60 Hz±2 Hz	
Power	Less than 1000 VA, Europe: single phase, US, Japan: 2 phase	
Standards conformance	The Dolev is a Class 1 laser product according to IEC Standard 825-1	
<b>Physical Characteristics</b>		
Size (HxWxD)	48 x 65 x 39 in (1,230 x 1,650 x 1,000 mm)	
Weight	1,210 lb (550 kg)	

## Let's Talk

Contact your Creo representative to find out more about Creo digital prepress solutions, and to select the Dolev 800 imagesetter and options that best serve your current and future business needs.

## About Creo

Creo (NASDAQ:CREO; TSE:CRE) is the world's largest independent supplier of prepress systems, with sales and support offices across the globe. Creo produces digital photography equipment; professional color and copydot scanning systems; variable information workflow systems; inkjet and halftone digital proofers; computer-to-film and computer-to-plate

devices; color servers for print-on-demand digital printers, and a comprehensive range of workflow, business management, networking, variable information, and creative software products. Creo is also an OEM supplier of on-press imaging technology and components for digital presses.

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Produced using Creo technology

**creo**<sup>™</sup>

[www.creo.com](http://www.creo.com)

**Creo Inc.**  
3700 Gilmore Way  
Burnaby, British Columbia  
Canada V5G 4M1  
T. +1.604.451.2700  
F. +1.604.437.9891

**Creo Americas, Inc.**  
Eight Oak Park Drive  
Bedford MA 01730  
USA  
T. +1.781.275.5150  
F. +1.781.275.3430

**Creo Asia Pacific Ltd.**  
3/F 625 King's Road  
North Point  
Hong Kong  
T. +852.2882.1011  
F. +852.2881.8897

**Creo Europe, S.A.**  
Waterloo Office Park  
Drève Richelle 161  
B-1410 Waterloo  
Belgium  
T. +32.2.352.2511  
F. +32.2.351.0915

**Creo IL Ltd.**  
P.O. Box 330  
Herzlia Industrial Park  
46103 Herzlia B  
Israel  
T. +972.9.959.7222  
F. +972.9.950.2922

**Creo Middle East/Africa**  
P.O. Box 330  
Herzlia Industrial Park  
46103 Herzlia B  
Israel  
T. +972.9.959.7585  
F. +972.9.959.7787

**Creo Japan Inc.**  
Ikebukuro TG Homest Bldg.  
1-17-8, Higashi-Ikebukuro  
Toshima-ku, Tokyo  
170-0013, Japan  
T. +81.3.5954.9050  
F. +81.3.5954.9055