



Dolev 8-page Imagesetters

for large-format printing

Versatile, high productivity imagesetters



- Dolev 800V⁴
- Dolev 800V³
- Dolev 800V²
- Dolev 800V



creo[™]



Dolev 8-page output devices

versatile, high productivity imagesetters

Dolev® large-format imagesetters from Creo are proven solutions for 8-page film production, combining superior image quality, efficiency, reliability and ease-of-use. Film loading, imaging, and unloading are automated, providing labor-saving efficiency and ensuring maximum throughput. Driven by powerful Creo workflow software that offers fast, automatic RIPing, trapping and automatic picture replacement, Dolev devices are part of an end-to-end Creo prepress solution. From an entry-level device to high-speed, ultra high-resolution models, Dolev imagesetters deliver solid value to printing operations of any size.

Dolev 800V⁴

is the fastest, most sophisticated Dolev imagesetter, featuring patented dual-beam optics, new high-speed TSP100 Turbo Screening™ technology and a new load/unload system.

Dolev 800V³

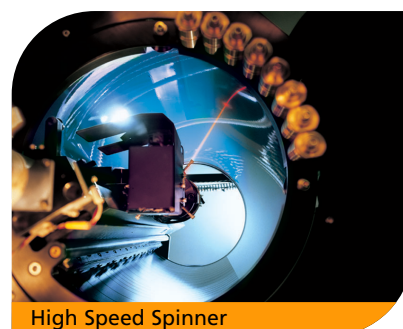
delivers high productivity and superb image quality, with the new high-speed TSP100 Turbo Screening and the efficient load/unload system of the Dolev 800V⁴.

Dolev 800V²

is a robust, productive, reliable imagesetter, with Turbo Screening for consistent, high quality imaging.

Dolev 800V

the entry-level model, features proven Dolev reliability and Turbo Screening.



High Speed Spinner

The high-speed spinner, which rotates at speeds up to 45,000 rpm, is a major factor in the imagesetter's extremely high imaging speed.

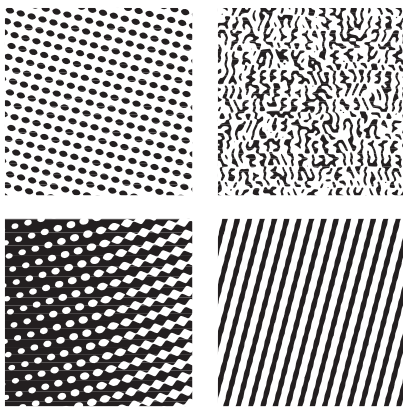
Dolev 8-page output devices

versatile, high productivity imagesetters

Produce higher-quality film, in less time, and easily handle last-minute changes, with Dolev 800 large-format imagesetters. Designed for production environments where throughput and flexibility are essential, the Dolev 800 family offers something for every prepress operation.

Trusted in thousands of production facilities worldwide

Since their introduction in the early 1990s, Dolev 800 imagesetters have been installed in over 3500 facilities worldwide. Their reliability on the job is legendary. The Dolev family is continually under development, with new features and improvements appearing regularly—many available as upgrades to existing Dolev imagesetters. To protect your investment, and help you expand your productivity to meet the



Turbo Screening Technology

Creo Turbo Screening technology provides smooth dot shapes, smooth vignettes, and a variety of screen rulings, all at high speed.

demands of a growing business, the Dolev 800V can be upgraded to the productivity of a Dolev 800V², and the Dolev 800V² can be upgraded to the TSP100 Turbo Screening and throughput of a Dolev 800V³.

Versatile Dolev devices produce film or short-run CTP plates

Dolev imagesetters feature a number of advanced features that provide flexibility in output, so you can fine-tune production to meet your clients' needs. They can alternately expose film or polyester plates—allowing you to expand into short run computer-to-plate (CTP) production.

Advanced screening technology for high-resolution, high-speed imaging

On the Dolev 800V⁴ imagesetter, innovative dual-beam optics shorten the exposure time and increase throughput dramatically. Both Dolev 800V⁴ and 800V³ models feature powerful new TSP100 Turbo Screening that accelerates processing and produces outstanding consistency, reducing the need for exposure curve calibration. Vignettes are noiseless and smoothly transitioned, and artifacts and patterns are substantially reduced even in problematic separations.

On Dolev 800V² and 800V models, Turbo Screening uses special vector-based technology to render more gray levels, for superb screen quality and excellent vignettes, turbo screening ensures maximum throughput, even at low imagesetter resolution.



Loading Cassettes

The 3-cassette loading option allows three sizes of film to be automatically selected, loaded and unloaded, for unattended operation from input to output.

Cassette and custom punching options for fast production with precise registration

The 3-cassette loading option enables you to quickly produce many different types of jobs: three different-width rolls of film are simultaneously available. The smart cassette system automatically loads the film that the job specifies, and then automatically unloads it to an inline processor or an unloading cassette for cut film.

The 2-cassette loader is for high-volume production: two large-capacity cassettes hold identical media, permitting long periods of production at maximum throughput. The optional customized head punch prepares pre-punched, plate-ready film, eliminating registration problems and making stripping, external punching or cross-punching unnecessary.



Dolev 8-page output devices

versatile, high productivity imagesetters

Variable resolution matches the film output to the job requirements

Dolev 800 imagesetters feature continuously-variable resolution, to match any job, from fine art reproduction, to packaging or newspaper printing.

Up to 10,000 dpi resolution available for security printing

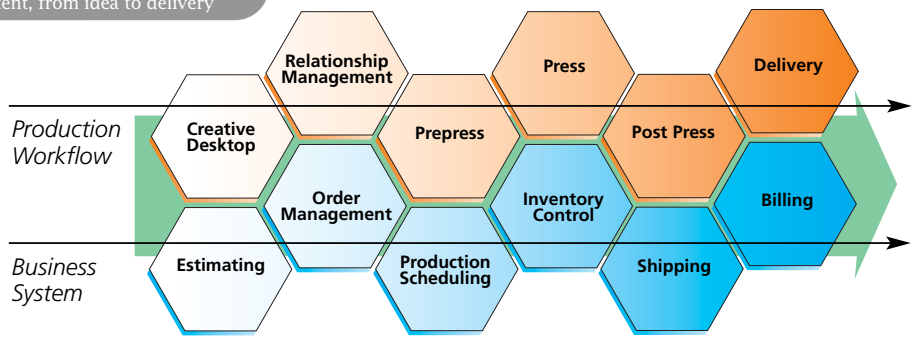
For the special needs of security printing, the Dolev 800V³ UHR and Dolev 800V² UHR models deliver ultra high-resolutions up to 10,000 dpi (400 lpmm). Special optical

assemblies produce 5-micron dots and micron-precise accuracy and registration, for the printing of banknotes, bonds, credit cards, and other high-security documents.

Networked Graphic Production from Creo

Connecting people, process and content, from idea to delivery

Networked Graphic Production links creative, production, and business technologies to make printing more streamlined and to better serve everyone involved in the print process. Tightly integrating Creo and partner technologies, Networked Graphic Production is an ongoing development that promises:



Improved Customer Service
by using the Internet for online quoting, job submission, project collaboration, as well as online proofing, change requests and approvals. Online communication saves courier and travel costs, reduces production delays, and provides a record of each interaction.

Streamlined Production Management
with all systems tied into one database-driven network to track every transaction. Resource planning is simplified, billing errors and change orders are reduced, while automatic load balancing optimally allocates jobs to operators and equipment.

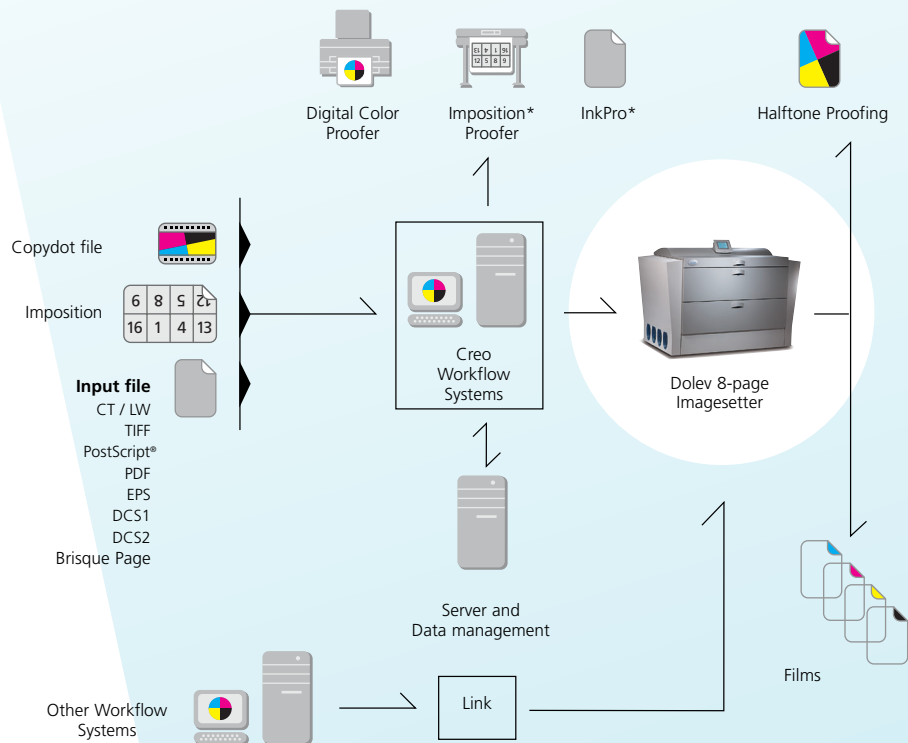
Integrated Production and Business Systems
increase efficiency, collaboration and coordination by merging information about scheduling, invoicing, billing, and purchasing into the production network.

Optimized Press-ready File Creation
with automated software tools, designers and prepress shops can reduce the cost of errors and the delays to repair files.

Automated Content Management
provides software tools for regionalization, versioning, personalization, job-based archiving, and re-purposing of print and electronic publishing. An integrated production network will provide quick access to online digital assets, such as image libraries, templates, and reprint jobs.

Creo workflow solutions

maximizing Dolev performance



*Not with PS/M
 **PostScript imposition workflow for PS/M

The performance of any imagesetter is the combination of the machine's performance and the efficiency of the workflow. Dolev imagesetters are tightly integrated with high-capability Creo Brisque™ workflow systems to deliver the maximum total output, and the greatest adaptability to help operators deal with last-minute changes. Creo PS/M offers an affordable workflow option, and Creo Prinergy® workflow management system can also drive Dolev imagesetters through the 1-bit TIFF file format. Brisque and Prinergy systems extend your workflow to the Internet via Synapse™ InSite, a Web portal for client interaction and remote soft proofing.

Implementing a Creo workflow to drive your Dolev 800 imagesetter can be an effective first step in the move toward computer-to-plate (CTP) production. The same Creo workflow

solution can output to CTF and CTP devices efficiently and productively.

Creo workflows systems process all popular input formats efficiently, with automated RIPing, trapping, and image replacement. A RIP Once workflow gives you the flexibility and predictability to proof and expose plates from the same RIPed file. The imposition module has independent layout, page and marking elements. Each page is processed separately, so work can begin before the entire flat is processed. You can change any element, at any stage, before exposing the separations, and only the changed element is re-RIPed. With a Creo workflow, Dolev imagesetters deliver their maximum in production versatility and speed.



Dolev 8-page Imagesetters for large format printing

Dolev 800V⁴

Maximum productivity and enhanced imaging

The Dolev 800V⁴ is our top-of-the-line 8-page CTF device, with the highest raw imaging speed available today. It features patented dual-beam optics, new high-speed TSP100 Turbo Screening technology and a new load/unload system. Combining advanced technology with the reliability of the Dolev platform, the Dolev 800V⁴ imagesetter outputs 36 full-formats per hour at 2540 dpi and an impressive 49 full-format flats at 1270 dpi.

Dolev 800V³

High-volume output and enhanced imaging

The highly-productive Dolev 800V³ has many of the features of the Dolev 800V⁴, including high-speed TSP100 Turbo Screening and the efficient load/unload system. The Dolev 800V³ produces 23 full-format flats per hour at 2540 dpi, and 36 full-format flats at 1270 dpi. An ultra-high resolution version, the Dolev 800V³ UHR, is also available for security and banknote printing.

Dolev 800V²

High-throughput, versatile CTF production

The Dolev 800V² features with Turbo Screening for consistent, high-quality imaging, and a production capacity of at least 16 full-format flats per hour at 2540 dpi. The Dolev 800V² is also available in an ultra-high resolution version, the Dolev 800V² UHR, for security and banknote printing.

Dolev 800V

Proven performance in imagesetting

The entry-level Dolev 800V offers renowned Dolev reliability, Turbo Screening, and a throughput of 10 full-format flats per hour at 2540 dpi. With the Dolev 800V, you can invest in the imagesetter you need today, and upgrade affordably to the higher throughput of the Dolev 800V² when your business needs change.



Dolev 800V³ / 800V⁴

Dolev 8-page CTF Features

	Dolev 800 V ⁴	Dolev 800 V ³	Dolev 800 V ²	Dolev 800 V
Technology	Dual-beam optics		Single beam optics	
	Laser diode 650 nm wavelength, internal drum, 10-25 micron spot size, air-bearing spinner up to 45,000 RPM			
Throughput at 2,540 dpi (100 lpmm)	36 full formats/hour	23 full formats/hour	16 full formats/hour	10 full formats/hour
at 2,032 (80 lpmm)	40 full formats/hour	27 full formats/hour	22 full formats/hour	12 full formats/hour
at 1,270 dpi (50 lpmm)	49 full formats/hour	36 full formats/hour	29 full formats/hour	17 full formats/hour
Media type	Red-sensitive film or polyester, roll, medium to high contrast, 4 to 8 mil (0.1 to 0.2 mm) thick			
Media width	10 to 34 in. (254 to 863 mm), in 1 inch (25.4 mm) increments			
Media length	15 to 47 in. (450 to 1,200 mm)			
Resolution	Continuously variable 1,270 to 5,080 dpi (50 to 200 lpmm)	Continuously variable 1,270 to 5,080 dpi (50 to 200 lpmm) Dolev 800V3 UHR: max 10,000 dpi (400 lpmm) and 5 micron dot size	Continuously variable 1,270 to 5,080 dpi (50 to 200 lpmm) Dolev 800V2 UHR: max 10,000 dpi (400 lpmm) and 5 micron dot size	Continuously variable 1,270 to 5,080 dpi (50 to 200 lpmm)
Screening	TSP100 Turbo Screening, up to 625 lpi screen including conventional dot shapes: Round, square, diamond, gravure, Creo Composite, GeometricDOT and FM		Turbo Screening, up to 625 lpi screen including conventional dot shapes: Round, square, diamond, gravure, Creo Composite, GeometricDOT and FM	
Screen ruling (frequency)	50 to 625 lpi (20 to 246 lpcm)			
Load/unload system	Fully automatic, daylight loading, choice of load from 3 cassettes, dual unload, to an unload cassette or an inline processor.			
Cassette Options	<ul style="list-style-type: none"> 3-cassette option: 3 different sized cassettes for rolls, including daylight film. Sizes up to 12, 20 and 34 in. (304, 508 and 863mm) 2-cassette option: 2 large 34 in (863mm) cassettes, with a capacity of 200 ft (60m) of 4 mil (0.1mm) film, or 100 ft (30m) of 8 mil (0.2mm) film. 			
Punching	optional, customized head with up to 10 punches			
Workflow options:	Brisque Prinerger (via 1-bit TIFF)	Brisque PS/M Prinerger (via 1-bit TIFF) Third-party connectivity		



Dolev 800V / 800V²

Creo Customer Services

helping you profit from your Creo solution

Whatever the extent or complexity of your needs, our experts in support, technical education and service can help you plan, install, manage and grow your prepress system. Our experience is unmatched in the industry: we have installed, and support, more than 2500 CTP and over 12000 CTF systems, each one uniquely developed for specific production requirements.

Expert service means faster deployment

Our service teams will get you up and running sooner, with a solution that's designed with your business and operational needs in mind.

Professional training for greater productivity

Our prepress training programs are among the most comprehensive in the industry.

Uptime support maintains production levels

Our comprehensive, personalized support plans can help maintain optimum performance and productivity to meet your uptime needs. We focus on failure prevention, software and firmware enhancements and technical assistance, whenever and wherever you need it.

Let's Talk

Contact your Creo representative to find out more about Creo digital prepress solutions, and to select the 8-page CTF device 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.

© 2002 Creo Inc. The products mentioned in this document are trademarks or service marks of Creo Inc. and may be registered in certain jurisdictions. Other company and brand, product and service names are for identification purposes only and may be trademarks or registered trademarks of their respective holders. Data subject to change without notice.

The Dolev 800v, Dolev 800v², Dolev 800v³ and Dolev 800v⁴ devices are class 1 laser products and fully comply with EN 60825-1 and US Federal Regulations 21 CFR 1040.10 - CDRH.

Produced using Creo technology



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
T. +81.3.5954.9050
F. +81.3.5954.9055