

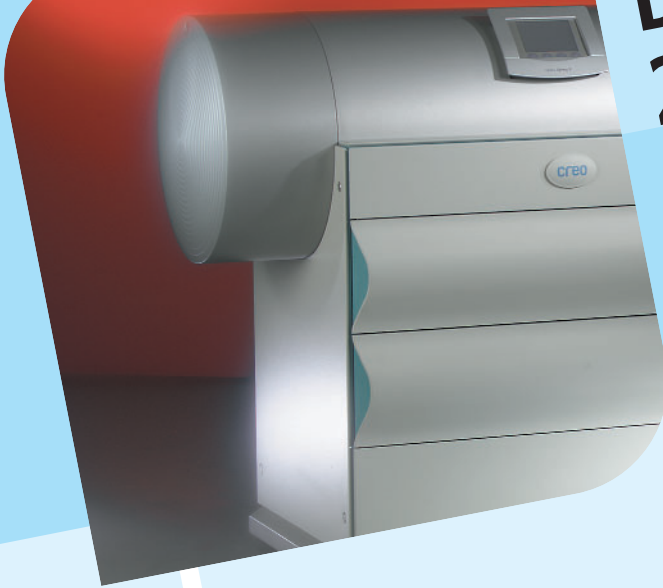


Dolev 4-page & 2-page Imagesetters

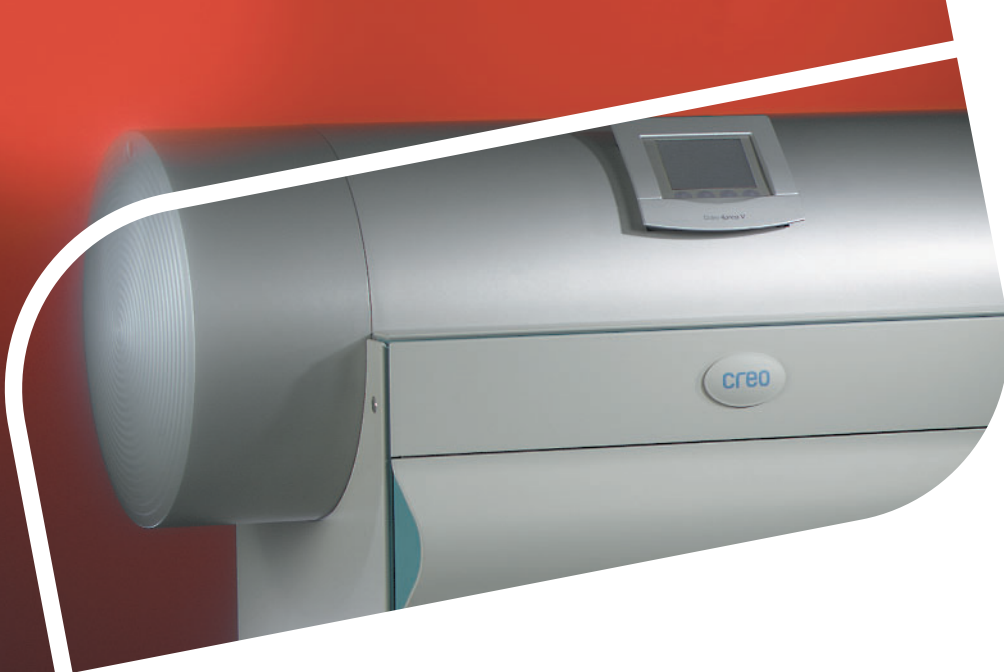
for medium-format printing

Versatile, high productivity imagesetters

- Dolev 4press V²
- Dolev 4press V / VXL
- Dolev 4news V / VXL
- Dolev 4dry V
- Dolev 2press Plus



creo[™]



Dolev medium-format CTF devices

versatile, high productivity imagesetters

Dolev® medium-format imagesetters from Creo are proven solutions for 4-page and 2-page film production. Sharing the same platform, all Dolev 4-page and 2-page imagesetters offer superior image quality, efficiency, reliability and ease-of-use. The various Dolev models are each optimized for specific printing needs. Driven by powerful Creo workflow software that offers fast, automatic RIPping, trapping and automatic picture replacement, Dolev devices are part of an end-to-end Creo prepress solution.

Dolev 4press V²

The top of the Dolev 4press line, the Dolev 4press V² offers the fastest throughput the highest resolution and line screens, fast film handling, customized punching and automated loading and unloading.

Dolev 4press V / VXL

Dolev 4press V and Dolev 4press VXL are optimized for commercial printing, with fast film handling, customized punching and automated loading and unloading.

Dolev 4news V / VXL

Specifically designed for the needs of newspaper production, the Dolev 4news V and Dolev 4news VXL produce single or double broadsheet film with high speed and excellent image quality.

Dolev 4dry V

An all-in-one, high-throughput imagesetter with outstanding image quality, the Dolev 4dry V features chemical-free Kodak® dry film technology.

Dolev 2press Plus

A versatile 2-page imagesetter for press production that can easily be upgraded to a Dolev 4press V.



Trusted Worldwide

The Dolev 4-page family provides outstanding productivity and quality, with options meeting a wide range of printer needs.

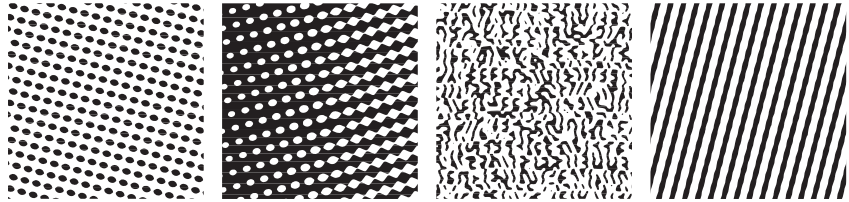
Dolev medium-format CTF devices

versatile, versatile, high productivity imagesetters

Dolev 4-page and 2-page imagesetters are renowned for design integrity, reliability, imaging quality and consistency. Each model is optimized for profitable, efficient operation in a specific printing industry. Dolev imagesetters are compatible with many popular workflows, but achieve the maximum in process control, efficiency and throughput when driven by a Creo workflow solution.

Turbo Screening boosts productivity and performance

Turbo Screening™—the basis of Dolev image quality, processing speed and consistency—uses vector-based technology to produce halftone dots. Vector processing accelerates data handling and produces outstanding consistency. By increasing dot addressability around the drum circumference, Turbo Screening enables the use of high screen rulings with low imagesetter resolutions. More gray



Turbo Screening Technology

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

levels can be rendered, for superb screen quality and excellent vignettes. Turbo Screening also enables advanced FM screening on all Dolev 4press models.

Meet the needs of a changing industry with film or short-run CTP output

All Dolev 4press models can alternately expose film or polyester plates, in variable media widths, with full black frame capability—allowing you to expand into short run computer-to-plate (CTP) production.

Variable resolution matches the film output to the job requirements

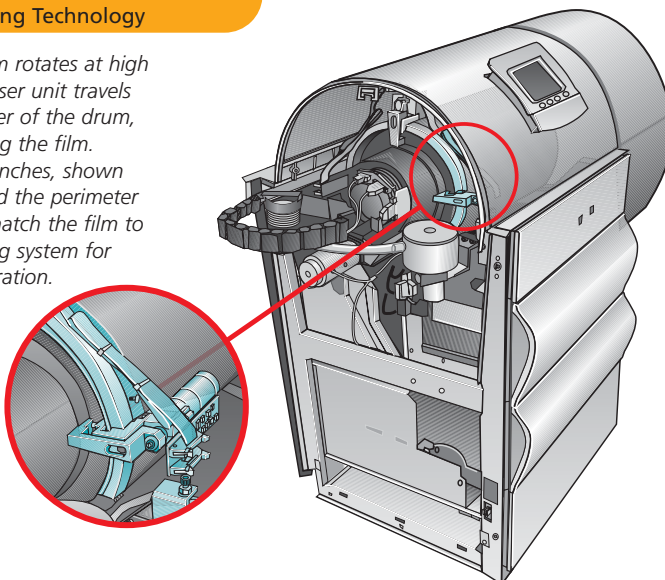
On all 4-page and 2-page models, continuously variable resolution provides the flexibility to instantly fit the resolution to the job, from fine art reproduction, to packaging or newspaper printing.

Maximize productivity with efficient design, automated loading/unloading

Dolev imagesetters are built for automated operation in full daylight conditions—no darkroom is required. Loading and unloading is fast and efficient. Cassettes are front-accessible, and exposed films are automatically unloaded to an online processor, or to a high-capacity accumulating cassette.

Dolev Imaging Technology

The Dolev prism rotates at high speed as the laser unit travels down the center of the drum, quickly exposing the film. Customized punches, shown installed around the perimeter of the drum, match the film to the platemaking system for accurate registration.



Custom punching options accelerate production, ensure precise registration

The optional customized punches (head and side punches and, on News models, tail punches) prepare pre-punched, plate-ready film. Registration problems are eliminated, and stripping, external punching or cross-punching is unnecessary. A special press punch for polyester CTP production results in press-ready plates.



Dolev 4press V², Dolev 4press V, Dolev 4press VXL

highly productive, flexible 4-page imagesetters for press output

Dolev 4press devices are rugged, reliable workhorses, designed for the needs of high-productivity commercial 4-page printing. They are compatible with all major 4-page presses. With fully automatic imposition and automated punching, they can quickly produce consistent, high-resolution, plate-ready film with no stripping, masking or taping required. Continuously variable resolution gives you the shop-floor flexibility to instantly match the imagesetter's resolution to the job at hand.

These are highly automated, cost-effective devices, with waste reducing and labor saving features. Fully automated loading and

unloading (to an accumulating cassette or an inline processor) saves labor costs and maximizes throughput. Variable film length and width minimizes waste. Tight integration to Creo workflows provides full control and long periods of unattended operation, and a gradual entry into the efficiency of an automated, CTP-ready workflow. For a profitable, productive prepress capable of film output and short-run polyester plate CTP, the Dolev 4press line is a sound business decision.

Dolev 4press V²

The Dolev 4press V² is the top-of-the-line Dolev 4-page imagesetter, offering the highest volume of

production and the highest resolution, with a throughput of 33 full-format flats at 2450 dpi (100 lpmm). Advanced optics provide resolutions and screens of up to 625 lpi (46 lpmm).

Dolev 4press V

The highly productive Dolev 4press V has all the reliability and image quality of the Dolev platform, with a throughput of 21 full-format flats per hour.

Dolev 4press VXL

Intended for larger 4-page press sizes, the Dolev 4press VXL is similar in features, imaging and throughput to the Dolev 4press V.

Dolev 2press Plus

upgradable 2-page imagesetter for press output

A consistent, productive imagesetter for small-format printers, the Dolev 2press Plus device can produce fully punched, plate-ready 1-page and 2-page films that are compatible with all major presses. Customized registration punches are optionally available.

Featuring a fast, reliable transport and optional variable resolution, the Dolev 2press Plus has a throughput of 22 full-format flats per hour, and can be easily upgraded to a Dolev 4press device.



Dolev 2press Plus

*Based on well-established
Dolev 4press family.*

Dolev 4news V, Dolev 4news VXL

high-productivity 4-page imagesetters for newspaper printing

Tailored to the need of newspaper printers—and used worldwide by some of the best-known publishers—Dolev 4news models feature the robust, reliable Dolev design, with automated loading and unloading, a fast transport system and easy user interface, plus a number of newspaper-specific capabilities. Resolution is continuously variable from 762 to 2,032 dpi (30 to 80 lpmm) for excellent quality on all newsprint jobs. Newspaper-customized head punches and a tail punch are optionally available, and variable film width adds flexibility and minimizes waste. Dolev 4news devices can be controlled by Creo workflow solutions or can be connected to newspaper-oriented workflow

systems with a dedicated interface from Creo or third-party suppliers. Dolev 4news imagesetters are designed to be the core of an efficient profitable, newspaper prepress.

Dolev 4news V

The Dolev 4news V offers the flexibility, durability and versatility of the Dolev 4up platform, with a remarkable throughput of 52 single or 43 double broadsheet films per hour.

Dolev 4news VXL

The Dolev 4news VXL is for larger-sized 4-page presses; otherwise it is similar in features, imaging and throughput to the Dolev 4news V.



High Productivity

Detectors in the film transport system monitor the travel of unexposed media into the drum and exposed media into the cassette.

Dolev 4dry V

productive, economical, dry film output with outstanding image quality

Designed for commercial printing, this compact dry film imagesetter offers outstanding imaging quality, high productivity and easy, economical operation. Completely chemical-free, the Dolev 4dry V uses Kodak DryView film. Dry film processing saves on cleaning and maintenance, and eliminates chemicals and the costs of waste storage and disposal. Compact and clean, the Dolev 4dry V can be installed in almost any office or similar environment without special ventilation.

An advanced optical system, combined with the sharp edge and high consistency of DryView film, contribute to high quality imaging. With the optional head punch, the Dolev 4dry V imagesetter produces plate-ready, imposed and punched film. Productivity is accelerated with fast electronics, a fast film-handling mechanism and an automatic load/unload system.

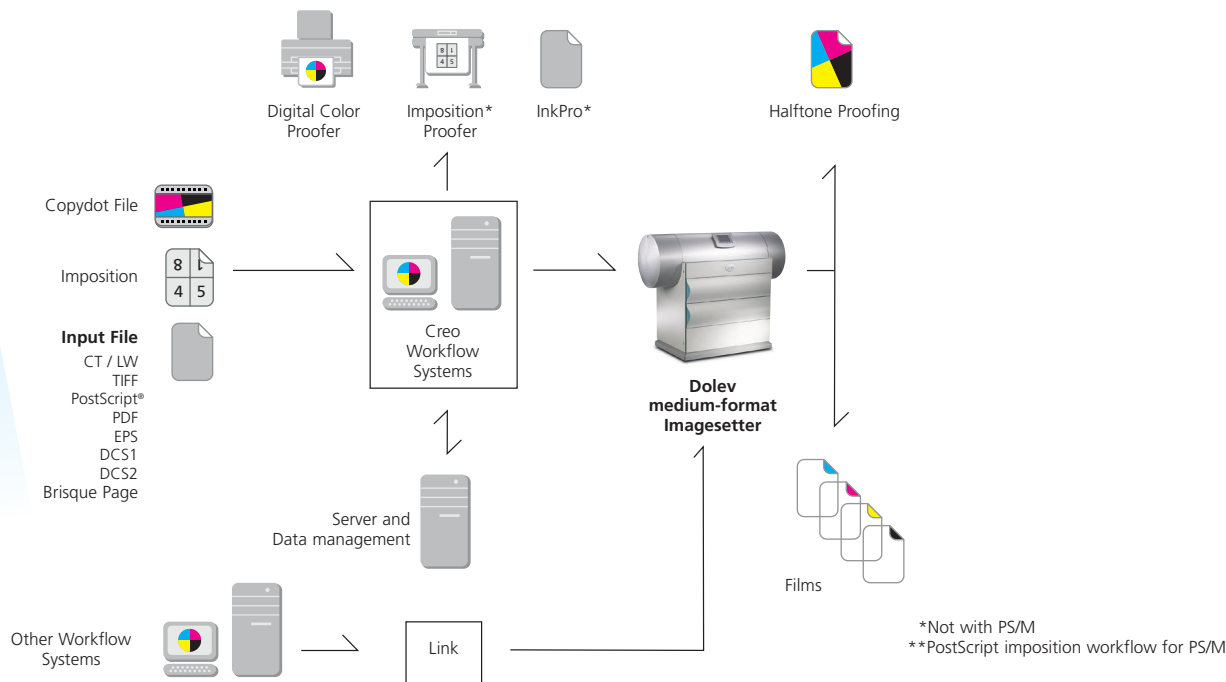


Visual status and control panel

The LCD display and control panel graphically show the film path and other notifications, and allow push-button control of utility functions.

Dolev 4-page & 2-page CTF Workflow

maximizing Dolev performance



Maximize Dolev performance with a Creo workflow

The performance of any imagesetter is the combination of the machine's performance and the efficiency of the workflow. While they are easily connected to third-party workflows, Dolev imagesetters are tightly integrated with 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 Prinerly workflow software can also drive Dolev imagesetter through the 1-bit TIFF file format. Both Brisque and Prinerly 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 imagesetter can be an effective first step in the move toward

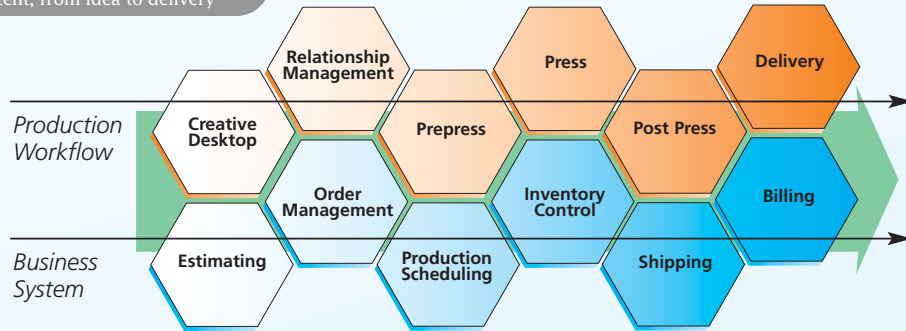
computer-to-plate (CTP) production. The same Creo workflow solution can output to CTF and CTP devices efficiently and productively.

Creo workflow 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.

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.

Dolev 4-page & 2-page CTF Features

	Dolev 4press V ² / V / VXL	Dolev 4news V / VXL	Dolev 4dry V	Dolev 2press Plus
Technology	Laser diode 650 nm wavelength, internal drum		Laser diode 780 nm wavelength, internal drum	Laser diode 650 nm wavelength, internal drum
	10-25 micron spot size	20-40 micron spot size	10-25 micron spot size	
Raw imaging speed	Dolev 4press V, Dolev 4press VXL: @2540 dpi (100 lpmm) 1,746 sq cm per min / 270 sq in. per min Dolev 4press V²: @2,540 dpi (100 lpmm): 3,144 sq cm per min / 487 sq in. per min.	@ 1,016 dpi (40 lpmm) 5,238 sq cm per min / 812 sq in. per min	@2,540 dpi (100 lpmm): 1,827 sq cm per min / 283 sq in. per min @2,032 dpi (80 lpmm): 2,610 sq cm per min / 405 sq in. per min @1,270 dpi (50 lpmm): 4,176 sq cm/min / 647 sq in. per min	@2540 dpi (100 lpmm) 1,342 sq cm per min / 208 sq in. per min
Throughput	Dolev 4press V, Dolev 4press VXL: @100 lines per mm / 2,540 dpi: 21 full formats per hr @80 lines per mm / 2,032 dpi: 28 full formats per hr @50 lines per mm / 1,270 dpi: 39 full formats per hr Dolev 4press V²: @100 lines per mm / 2,540 dpi: 33 full formats per hr @80 lines per mm / 2,032 dpi: 40 full formats per hr @50 lines per mm / 1,270 dpi: 54 full formats per hr	Dolev 4news V: @40 lines per mm / 1,016 dpi 52 single broadsheets per hr Dolev 4news VXL: 43 double broadsheets (full format) per hr, 52 single broadsheets per hr	@2,540 dpi (100 lpmm): 21 full formats per hr @2,032 dpi (80 lpmm): 28 full formats per hr @1,270 dpi (50 lpmm): 39 full formats per hr	@100 lines per mm / 2,540 dpi: 22 full formats per hr @80 lines per mm / 2,032 dpi: 26 full formats per hr @50 lines per mm / 1,270 dpi: 36 full formats per hr

Dolev 4-page & 2-page CTF Features (cont.)

	Dolev 4press V ² / V / VXL	Dolev 4news V / VXL	Dolev 4dry V	Dolev 2press Plus
Maximum image area without head punch	29.25 x 22.83 in. (743 x 580 mm) Dolev 4press VXL: 32 x 22.83 in. (812 x 580 mm)	29.21 x 22.87 in. (743 x 580 mm) Dolev 4news VXL: 32 x 22.87 in. (812 x 580 mm)	29.25 x 22.83 in. (743 x 580 mm)	21.65 x 21.65 in. (550 x 550 mm)
Maximum image area with head punch	29.25 x 21.65 in. (743 x 550 mm) Dolev 4press VXL: 32 x 21.65 in. (812 x 550 mm)	Depends on punch configuration	29.25 x 21.65 in. (743 x 550 mm)	21.65 x 21 in. (550 x 533 mm)
Media Type	Red-sensitive film or polyester, roll, medium to high contrast		Kodak DryView, Dmax: at least 4.5, Dmin: (UV) no more than 0.3	Red-sensitive film or polyester, roll, medium to high contrast
Media width	12 to 29.5 in. (305 to 749 mm), in 1 inch (25.4 mm) increments, special sizes customized Dolev 4press VXL / Dolev 4news VXL: 12 to 32 in. (305 to 812.8 mm), in 1 inch (25.4 mm) increments, special sizes customized		12 to 29.5 in. (305 to 749 mm), size variety depending on film vendor.	10 to 22 in. (254 to 559 mm), in 1 inch (25.4 mm) increments, special sizes customized
Media length per thickness	3.9 in. to 66 ft (100 mm to 20 m) with unload cassette 10 in. to 24 in. (254 mm to 620 mm) with inline processor		13.8 to 24.4 in. (350 mm to 620 mm)	Same as Dolev 4press family
Media thickness	4 mil / 0.1 mm or 8 mil / 0.2 mm		4.75 mil / 0.12 mm	Same as Dolev 4press family
Resolution	Continuously variable 1,524 to 4,064 dpi (60 to 160 dpmm)	Continuously variable 762 to 2,032 dpi (30 to 80 dpmm)	Continuously variable 1,524 to 4,064 dpi (60 to 160 dpmm)	
Screening technology	Turbo Screening, including conventional dot shapes: Round, square, diamond, gravure, Creo Composite, GeometricDOT and FM	Turbo Screening, when used with Creo workflows	Turbo Screening, including conventional dot shapes: Round, square, diamond, gravure, Creo Composite, GeometricDOT	Turbo Screening, including conventional dot shapes: Round, square, diamond, gravure, Creo Composite, GeometricDOT and FM
Screen ruling (frequency)	50-625 lpi (20 to 246 lines per cm)	50-175 lpi (20 to 69 lines per cm)	50-250 lpi (20 to 98 lines per cm)	50-625 lpi (20 to 246 lines per cm)
Load/unload system	Fully automatic, daylight operation, dual unload to cassette or optional inline processor, Smart load cassette for rolls of all supported film and polyester		Fully automatic, daylight operation, smart single-load cassette, dry heater built in, feeds out processed, ready-to-plate film	Fully automatic, daylight operation, dual unload to cassette or optional inline processor, Smart load cassette for rolls of all supported film and polyester
Punches (optional)	Customized head punches along media length customized side punches	Customized head punches along media length customized side punches and tail punches	Customized head punches along media length	
Workflow connectivity	Creo Brisque, Creo PS/M, Creo Prinergy (through 1-bit TIFF) Other workflow systems and RIPs available through Brisque or PS/M or Creo interface board			
Standards conformance	The Dolev 4-page & 2-page family are Class 1 laser products according to IEC Standard 825-1			

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

Produced using Creo technology



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