

Dolev 250 & Dolev 450

Specification Highlights

Technology

- **Structure:** Internal drum
- **Light source:** He Ne Laser: 632.8 nm wavelength
- **Spot size:** Variable, 17 microns nominal
- **Raw imaging speed:**
 - @ 2,540 dpi, 24,000 rpm: 1,200 sq cm per min / 186 sq in. per min
 - @ 1,270 dpi, 24,000 rpm: 2,400 sq cm per min / 372 sq in. per min

Repeatability

±25 microns over the full format of successively imaged films, disregarding any distortion caused by temperature, humidity and film material.

Imaging

- **Image area** (net max):
 - Dolev 250: 368 x 500 mm / 14.48 x 19.68 in.
 - Dolev 450: 645 x 500 mm / 25.39 x 19.68 in.
- **Page formats:** Dolev 250: Up to two A4, one A3
- Dolev 450: Up to four A4, two A3, one A2
- **Resolution** (five steps): 60, 80, 100, 120, 140 lppm / 1,524, 2,032, 2,540, 3,048, 3,556 lpi
- **Screen technology:** Turbo Screening including conventional dot shapes: Round, square, diamond, gravure, CreoScitex Composite and GeometricDOT.
- **Screen ruling (frequency):** 60-250 lpi / 23.6-93.4 lpcm
- **Screen angles:** User selectable from a variety of preset angles

Workflow System and RIP

PS/M

- **Macintosh platform:** Power Macintosh® 604, 604e with Apple® OS 7.5.3 or higher
- **RIP:** Software type, Adobe® CPSI with composite workflow, and Turbo Screening
- **Data formats:** PDF; Adobe® PostScript®: EPS, DCS1, DCS2; TIFF/IT-P1; TIFF; CopyDot (scanned film); Scitex® (N)LW, (N)CT; Brisque Page
- **Communication:** Appletalk®, TCP/IP

Brisque

- **IBM® platform:** Risc based, Power PC™ with AIX OS;
- **RIP:** Software type, Adobe CPSI with composite workflow, and Turbo Screening
- **Data formats:** PDF; Adobe PostScript: EPS, DCS1, DCS2; TIFF/IT-P1; TIFF; CopyDot (scanned film); Scitex (N)LW, (N)CT; ICF (Imposition Control File); Brisque Page
- **Communication:** Built-in Helios EtherShare; TCP/IP

Media

- **Type:** Roll, medium to high contrast, red sensitive reprographic film
- **Thickness:** 0.1 mm / 4 mil
- **Length:** 60 m / 200 ft
- **Media width:**
 - Dolev 250: 380 mm / 15 in.
 - Dolev 450: 660 mm / 26 in.
- **Cut length:** 25.4-53 cm / 10-21 in.

Load/Unload system

Fully automatic, daylight operation, unload to a cassette or optional inline processor.

- **Load cassette:** For 60 m / 200 ft rolls.
 - Dolev 250: 380 mm / 15 in. wide
 - Dolev 450: 660 mm / 26 in. wide
- **Unload cassette:** Accumulating cut sheet type: 12 sheet capacity
- **Punch (optional):** Internal, two holes - one round, one oval 4.765 mm / 3/16 in. diameter, spaced 350 mm / 13 3/4 in. on drum circumference, 11 mm / 7/16 in. from edge of drum
- **Inline film processor:** Optional

Physical characteristics

- **Size (HxWxD):**
 - Dolev 250: 1,000 x 930 x 600 mm / 39 x 36 x 23 in.
 - Dolev 450: 1,000 x 1,145 x 600 mm / 39 x 45 x 23 in.
- **Weight:**
 - Dolev 250: 182 kg / 400 lb
 - Dolev 450: 240 kg / 450 lb

Electrical requirements

- **Voltage:** 100/110/120/200/220/240 Vac ±10% single phase; 50/60 Hz ±2 Hz
- **Power:** 700VA

Operating environment

- **Temperature:** 23±3°C / 73±5°F
- **Humidity:** 55±5% RH
- **Audible noise:** < 55 dBA
- **Heat dissipation:** 1000 BTU/hr

Specification conformance

Class 1 laser product according to IEC Standard 825-1



Medium & Small Format Cost-Effective Professional Imagesetters

Dolev 250 & Dolev 450

IMAGESETTING



Together, CreoScitex and printCafe™ provide solutions integrating the entire printing process. printCafe offers e-commerce services integrated with a broad portfolio of print management systems.



Prepress, proofing, and plate production done on CreoScitex equipment. Printed using 4-color process and a gloss varnish. Screened using Staccato™ 20 micron second-order stochastic (FM) screening.

© 2001 Creo Products Inc. CreoScitex is a division of Creo Products Inc. The products mentioned in this document are trademarks or service marks of Creo Products 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.



www.creoscitex.com

CreoScitex

3700 Gilmore Way
Burnaby, British Columbia
Canada
V5G 4M1
Tel: 1-604-451-2700
Fax: 1-604-437-9891

CreoScitex

Corporation Ltd.

P.O. Box 330
Herzlia Industrial Park
46103 Herzlia, Israel
Tel: 972-9-959-7222
Fax: 972-9-950-2922

CreoScitex

America, Inc.

Eight Oak Park Drive
Bedford MA 01730
USA
Tel: 1-781-275-5150
Fax: 1-781-275-3430

CreoScitex Europe, S.A.

Waterloo Office Park
Drève Richelle 161
B-1410 Waterloo,
Belgium
Tel: 32-2-352-2511
Fax: 32-2-351-0915

CreoScitex

Asia Pacific Ltd.

3/F 625 King's Road
North Point
Hong Kong
Tel: 852-2882-1011
Fax: 852-2881-8897

CreoScitex

Middle East/Africa

P.O. Box 330
Herzlia Industrial Park
46103 Herzlia B, Israel
Tel: 972-9-959-7585
Fax: 972-9-959-7787

Nihon CreoScitex Ltd.

Forefront Tower II
3-13-1 Kachidoki
Chou-ku
Tokyo 104-8577, Japan
Tel: 81-3-5560-7152
Fax: 81-3-5560-7249

Dolev 250 & Dolev 450

The 2-up Dolev™ 250 and 4-up Dolev™ 450 are high-quality, internal-drum imagesetters that address the needs of a wide range of customers. These imagesetters provide efficient performance and a quick return on investment.

Compact, professional, entry-level imagesetters

The Dolev 250 and Dolev 450 imagesetters have small footprints, are cost-effective, reliable, and simple to use. The Dolev 250 is a compact, small format imagesetter with a maximum imaging area of 368 x 500 mm / 14.48 x 19.68 in. It is ideal for service bureaus, trade shops and design studios. The Dolev 450 is a medium format imagesetter with a maximum imaging area of 645 x 500 mm / 25.39 x 19.68 in. and is best suited for repro shops, publishers and commercial printers.

High-speed spinner and automation boost productivity

A 24,000 rpm, air-bearing spinner assures high productivity. To further streamline the workflow, the

automatic load-unload system includes an input cassette with a roll of film from which sheets are cut to size, and an output cassette with a large capacity for cut sheets.

Imagesetter throughput accelerates the process, with an output of over 16 full-format flats per hour at a resolution of 100 dots per mm / 2,540 dpi.



Options enhance flexibility

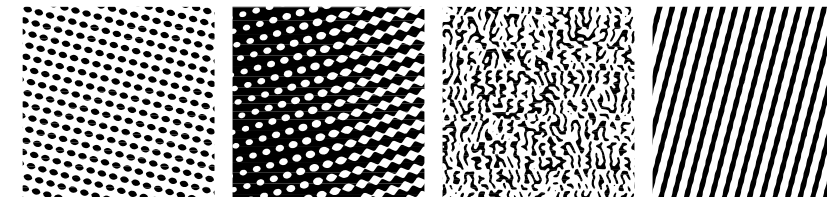
Performance of the Dolev 250 and Dolev 450 imagesetters can be enhanced with options, such as a built-in punch and inline processor.



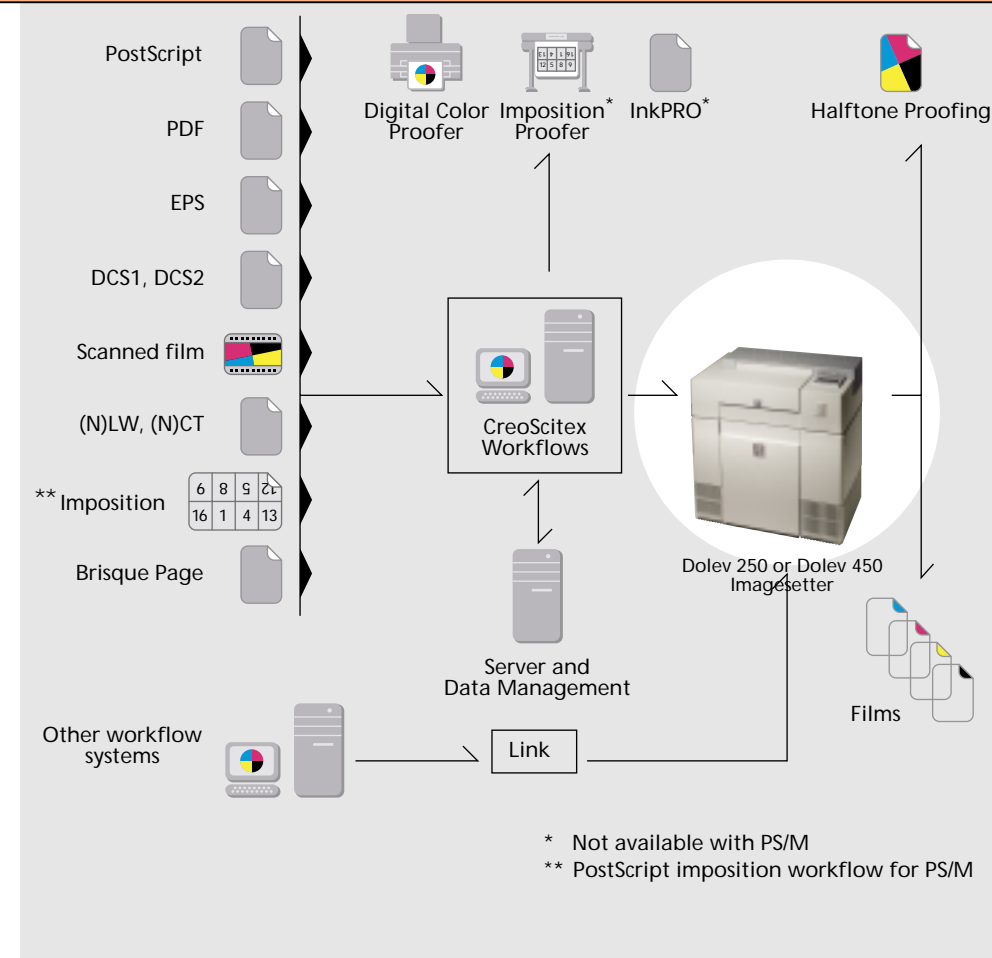
Dolev 450 Imagesetter



Dolev 250 Imagesetter



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



Workflow systems give total control of the workflow

Optimally, for direct control the imagesetters are driven by the PS/M workflow systems running on a Macintosh® computer. They can also be driven by the industry-leading Brisque™ workflow system. Each includes a RIP and functionalities such as Automatic Picture Replacement (APR) for high-resolution picture

replacement and Full Auto Frame (FAF) for trapping. Post-RIP file editing can be performed separately by the PressTouch™ application.

Screening technology boosts productivity and performance
Turbo Screening™ technology uses a special vector-based technology to produce halftone dots, making data handling more effective. By increasing

dot addressability around the drum circumference, it allows the use of high screen rulings with low imagesetter resolutions. You can render more gray levels, resulting in superb screen quality, excellent vignettes with no reduction in productivity, as well as smooth dot formation for reduced dot gain on press.