

Lotem 800 Lotem 800 Quantum

automated, high-throughput 8-page CTP



Quality, consistency and flexibility in 8-page platemaking

- full automation for hours of unattended operation
- seamless integration with Creo workflows, compatibility with third-party workflows
- cassette loading options for various production needs
- proven design and ergonomics in a modular package
- SQUAREspot imaging technology on Lotem 800 Quantum for unmatched process control and superior imaging

The Lotem™ 800 platform combines sophisticated design, superior imaging and easy operation in a fully-automatic device. Lotem 800 platemakers can be configured for a broad range of production requirements. You can choose to output processless plates in addition to standard thermal plates. Speed options and cassette units are available to match the device to your production needs. With any model or options, you are assured of ease-of-use, efficiency, and cost-effective CTP production. Both Lotem 800 devices can be equipped with the Spectrum option, to add digital halftone proofing capability. Spectrum proofs ensure that clients see the identical halftone image structure on the proofs and the plates on press.

Lotem 800 Quantum: SQUAREspot imaging and ultra-precise registration

The Lotem 800 Quantum CTP device features SQUAREspot™ imaging technology—the foundation for accurate and consistent presswork. SQUAREspot delivers end-to-end imaging integrity from the original file through to the press despite normal plate-imaging variables such as laser power, plate emulsion sensitivity, and processor variation. The Lotem 800 Quantum device ensures precise fit and registration, from plate to plate and machine to machine, with automatic correction for temperature-related plate expansion and contraction, and for geometric differences between platemakers.

Lotem 800: your entry into efficient, productive Lotem technology

The Lotem 800 device is a cost-effective entry to the sophisticated, flexible Lotem platform. The Lotem 800 device features continuously variable resolution so you can match the resolution to the job's requirements.



creo™

Lotem 800 / Lotem 800 Quantum

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Protect your investment with the Creo upgrade path

Beginning with an entry-level Lotem 800 device, you can upgrade your device's performance by increasing the platesetter's speed, adding capacity and flexibility with loading cassette options, and add the capability to product Spectrum halftone proofs.

Lotem 800 / Lotem 800 Quantum Product Specifications

	Lotem 800	Lotem 800 Quantum
General Specifications		
Technology	830 nm thermal imaging platesetter, fully automatic, external drum	
Load/unload systems	Single, dual or multi-cassette units; all plate-loading options support automatic slip-sheet removal; optional connectivity to In-line processors: <ul style="list-style-type: none"> • Single cassette unit: up to 100 plates with slip-sheets • Dual loading cassette: allows for two different plate sizes; the main cassette holds up to 60 plates; the upper tray holds up to 10 plates (of a different size) or proofing media • Multi-cassette unit: holds up to 500 plates in five cassettes, each with up to 100 plates. The required cassette is automatically selected according to the job definition. Empty cassettes can be reloaded while the platesetter is running. 	
Inline punch	Up to 9 individually operated punches for single, double or triple punch holes; choice of over 300 punch heads to match most commercial presses.	
Spectrum proofing	Option	
Performance		
Imaging time Full-sized 8up plate 40.5 in (1,030 mm) wide, 130 mj per sq cm sensitivity, at 2,540 dpi (100 dpmm)	S speed: 4.8 min F speed: 2.4 min	F speed: 2.6 min V speed: 1.24 min
Throughput	S speed: 10 plates per hr F speed: 16 plates per hr	F speed: 16 plates per hr V speed: 25 plates per hr
Repeatability	±0.2 mil / ±5 microns between two plates imaged by the same device (at largest plate size)	
Accuracy	±0.8 mil / ±20 microns absolute accuracy (at largest plate size)	
Workflow connectivity	Creo Brisque™ Creo Prinergy™ Connection to third party workflows via Lotem Link configuration (1-bit TIFF workflow)	

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Lotem 800 / Lotem 800 Quantum Product Specifications cont'd

	Lotem 800	Lotem 800 Quantum
Imaging Specifications		
Resolution	Continuously variable, 1,524 to 3,556 dpi (60 to 140 dpmm)	2,400 dpi (96 dpmm), or 2,540 dpi (100 dpmm)
Screening	200 lpi max. linescreen	450 lpi max. linescreen Staccato® FM 20 micron
Image area around the drum circumference	19.3 to 35.6 in (490 to 905 mm), with GTO option: 15 in (381 mm) min	15 to 35.6 in (381 to 905 mm)
Image area along the drum axis	25.6 to 44.5 in (650 to 1,130 mm), with GTO option: 18 in (457 cm) min	18 to 44.5 in (457 to 130 mm)
Media Specifications		
Media type	Thermal IR-sensitive aluminum plate, 830 nm	
Plate sizes Minimum to maximum, along drum x around drum	25.6 x 19.3 in (650 x 490 mm) to 44.5 x 35.6 in (1,130 x 905 mm)	
Plate thickness	Standard: 8 to 16 mil (0.2 to 0.4 mm) Optional: 6 to 12 mil (0.15 to 0.3 mm)	
Physical Specifications		
Operating Environment		
Temperature	68 to 86° F (20 to 30° C)	
Humidity	40 to 60% relative humidity (non-condensing)	
Electrical Requirements		
Voltage and current	120 V AC or 208 V AC (±10%), three phase (star) at 20A per phase, 50 to 60 Hz	
Power	20A, 7.5 kW	
Standards conformance		
Electrical/mechanical	European Machinery Directive 98/37/EC, EN60204-1, EN292-2	
Laser	The Lotem 800 device is a class 1 laser product and fully complies with EN 60825-1 and US Federal Regulations 21 CFR 1040.10 - CDRH.	
Electro Magnetic Compatibility	European EMC Directive 89/336/EC as amended by 92/31/EC and 93/68/EC, EN55022: 1998, class A, EN61000-3-2: 1995, EN55024: 1998. EN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11, USA Federal Regulations FCC 47CFR part 15 subpart B class A	
Physical Characteristics		
Size (HxWxD) with single cassette unit	54.7 in (1,390 mm) x 93.3 in (2,370 mm) x 83.1 in (2,110 mm)	
Size (HxWxD) with dual loading cassette	54.7 in (1,390 mm) x 102.8 in (2,610 mm) x 83.1 in (2,110 mm)	
Size (HxWxD) with multi-cassette unit	54.7 in (1,390 mm) x 140.2 in (3,560 mm) x 83.1 in (2,110 mm)	
Weight (with single cassette)	2,420 lb. (1,100 Kg)	

Let's Talk

Contact your Creo representative to find out more about Creo digital prepress solutions, and to select the Lotem 800 model 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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