

Lotem 400 Lotem 400 Quantum

high throughput, high quality 4-page CTP



Quality, consistency and flexibility in 4-page platesetting

- entry-level to advanced configurations, with full or semi-automatic 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 400 Quantum for unmatched process control and superior imaging

The Lotem™ 400 platform combines sophisticated design, superior imaging and easy operation. Lotem 400 platesetters meet a broad range of production requirements. You can configure your Lotem 400 device as either semi or fully automatic. ContinuousLoad™ semi-automation offers full production speed at low cost. Full automation is available with a Multi-Cassette Unit that provides inline punching and slip-sheet removal. In addition, several speed options 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.

Lotem 400 Quantum: SQUAREspot imaging, ultra-precise registration and optional Spectrum proofing

The Lotem 400 Quantum platesetter 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 400 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 platesetters.

Lotem 400: your entry into efficient, productive Lotem technology

The Lotem 400 platesetter is a cost-effective entry to the sophisticated, flexible Lotem platform. It features variable resolution so you can match the resolution to the job's requirements.



creo™

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Protect your investment with the Creo upgrade path.

As your business grows, your Lotem 400 platesetter can grow with you. Beginning with an entry-level Lotem 400 device, you can improve performance by adding options and functionality: you can increase the plate-setter's speed, add full automation, and upgrade to more advanced workflow systems.

Lotem 400 / Lotem 400 Quantum Product Specifications

	Lotem 400	Lotem 400 Quantum
General Specifications		
Technology	830 nm thermal imaging platesetter, semi or fully automatic external drum	
Load/unload systems	<ul style="list-style-type: none"> • ContinuousLoad: semi-automated; as one plate is imaged, another is placed on standby for automatic loading as soon as the drum unloads • Single cassette option: unit holds least 50 plates of the same size and thickness. • Multi-cassette option: fully-automated; unit holds over 150 plates in three cassettes, each with at least 50 plates of the same size and thickness. The required cassette is automatically selected according to the job definition. Automatically loads and unloads plates, removes slip-sheets and punches plates for precise registration. Empty cassettes can be reloaded while the platesetter is running. 	
Punches	In-line punch (available with loading cassette only) accurately punches plates for most commercial presses. Can be configured with up to 6 punches for single, double and triple holes, ensuring precise image-to-punch and plate-to-plate registration. More than 300 punch heads are available.	
Performance		
Imaging time Full-sized 4up plate (based on maximum media size, depends on media sensitivity)	S speed: 4.8 min F speed: 2.4 min	V speed: 1.4 min
Throughput	S speed: 10 plates per hr F speed: 16 plates per hr	V speed: 25 plates per hr
Repeatability	±5 microns between two plates imaged by the same device	
Accuracy	±25 microns between plates from different Lotem 400 devices	
Workflow connectivity	Creo PS/M Creo Brisque™ Creo Prinergy™ Connection to third party workflows via Lotem Link configuration (1-bit TIFF workflow)	

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Lotem 400/Lotem 400 Quantum Product Specifications cont'd

	Lotem 400	Lotem 400 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	11.61 to 23.86 in (295 to 606 mm)	
Image area along the drum axis	9 to 29.5 in (229 to 750 mm)	
Media Specifications		
Media type	Thermal IR-sensitive aluminum plate, 830 nm	
Plate sizes Minimum to maximum, along drum x around drum	12.25 x 9 in (311 to 229 mm) 29.5 x 24.5 in (750 x 622 mm)	
Plate thickness	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	120/208 VAC (±10%), three phase (star) 200/220/240 VAC (±10%), 50/60 Hz ±2 Hz, single phase 5 KVA	
Power	20A, 7.5 kW	
Standards conformance		
Electrical/mechanical	European Machinery Directive 98/37/EC, EN60204-1, EN292-2	
Laser	The Lotem 400 device is a class 1 laser product and fully complies with EN 60825-1 and US Federal Regulations 21 CFR 1040.10 and 1040.11 - 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 (H x W x D)	31.5 x 52.7 x 64.9 in (80 x 134 x 165 cm)	
Size (H x W x D) with loading cassette unit	93.3 x 52.7 x 64.9 in (237 x 134 x 165 cm)	
Weight	1,650 lb (750 kg)	

Let's Talk

Contact your Creo representative to find out more about Creo digital prepress solutions, and to select the Lotem 400 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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Produced using Creo technology

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