Lotem 200K

high-throughput, high-quality, 2-page CTP

Quality, consistency and flexibility in 2-page platesetting

- proven platesetter architecture and leading thermal-imaging technology
- easy transition to CTP with Lotem platesetter and PS/M workflow
- seamless integration with Creo workflows, compatibility with third-party workflows
- proven design and ergonomics
- cost-effective, chemical-free platemaking

The Creo Lotem® 200K configuration is an affordable 2-page configuration that is driven by a Macintosh®-based PS/M digital front end. The Lotem 200K is incorporated as part of a full printing production system with the KBA Genius® 52 waterless sheetfed offset press and it has been qualified to expose waterless chemical-free plates.

The Lotem 200K uses the proven Lotem family fast-rotating external drum and thermal-head technology to provide excellent quality and efficient handling. The Lotem 200K offers ContinuousLoad functionality to ensure productive and convenient semi-automatic loading: as one plate is imaged, another is placed on standby for automatic loading and imaging as soon as the drum unloads. The Lotem 200K supports two qualified resolutions and employs Turbo Screening™ technology. The fully-integrated 2-page CTP system and its workflow solution includes Creo PS/M, Creo PressTouch™ with FAF, and an option to add third-party 1-bit TIFF connectivity.

Chemical-free plates are cost effective and environmentally friendly
These plates eliminate expenses such as plate processors and pre-bake ovens, as well as the costs associated with the storage and disposal of toxic chemicals.

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Lotem 200K

Product Specifications

	Lotem 200K
General Specifications	
Technology	830 nm thermal imaging platesetter, semi automatic, external drum
Load/unload systems	ContinuousLoad Semi-automated: as one plate is imaged, another is placed on standby for automatic loading as soon as the drum unloads.
Performance	
Imaging cycle[2]	5 min
Throughput[1,2]	12 waterless plates per hour (including plate loading/unloading time)
Repeatability[4]	±5 microns (0.2 mil) electronic imaging repeatability on plate
Accuracy[4]	±20 microns (0.8 mil)
Registration[4]	±20 microns (0.8 mil) between image and plate edge (both directions)
Workflow connectivity	Creo PS/M Creo PressTouch/FAF Connection to third-party workflows (via 1-bit TIFF) - requires a licence Seamless integration with Creo workflow systems
Imaging Specifications	
Resolution	Qualified resolutions:[3] 2,540 dpi (100 dpmm); 2,400 dpi (94.488 dpmm)
Screening	175 lpi max linescreen
Maximun image area around the drum circumference	388 mm (15.28 in) - Genius 52: 378 mm (14.88 in)
Maximum image area along the drum axis	540 mm (21.26 in) - Genius 52: 510 mm (20 in)
Media Specifications	
Media type	Thermal IR-sensitive waterless aluminum plate, 830nm
Plate size along drum x around drum	540 x 404 mm (21.26 x 16 in)
Plate thickness	0.30 mm (11 mil)

1: Driven by Creo workflow at maximum engine speed
2: Based on maximum media size, and dependent on media sensitivity.
Specification for metal plates with fixed thickness only
3: Device supports variable resolution from 1,524 to 3,556 dpi (60-140 dpmm)
4: Specifications for aluminum media only with fixed thickness of 0.3 mm @ 25˚C (77˚F)

Lotem 200K Product Specifications cont'd

	Lotem 200K
Physical Specifications	
Operating Environment	
Temperature	20 to 30˚C (68 to 86˚F)
Humidity	50% to 60% relative humidity (non-condensing)
Electrical Requirements	
Voltage and current	50 Hz system: 220 VAC (±10%) between phase and neutral 60 Hz system: 208 VAC (±10%) between 2 phases of 120 VAC each
Power	25A, 5.5 KVA
Standards conformance	
Electrical/mechanical	European Machinery Directive 98/37/EC, EN60204-1, EN292-2
Laser	The Lotem 200K device is a class 1 laser product and fully complies with EN 60825-1 and US Federal Regulations 21 CFR 1040.10
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 (W x D x H)	176 x 132 x 134 cm (69 x 52 x 53 in) including loading tray
Weight	750 kg (1,650 lb)

Let's Talk

Contact your Creo representative to find out more about Creo digital prepress solutions, and to select the Lotem model and options that best serve your current and future business needs.

About Creo

Creo Inc. is a global company with key strengths in imaging and software technology. As the leading provider of prepress systems, Creo helps over 25,000 customers worldwide adopt digital production methods which reduce costs, increase print quality and allow them to serve their customers more efficiently. Based in Vancouver, Canada, Creo employs more than 4,000 people and reported fiscal 2003 revenue of US$578 million. Creo trades on NASDAQ (CREO) and the TSX (CRE). www.creo.com

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Produced using Creo technology

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