SPECTRUM FOR LOTEM 800 II SPECIFICATIONS

Product Description

The Spectrum Proofing option adds digital halftone color proofing to the Lotem 800 II product family. Proofs are loaded into a lightweight tray in the dual loading cassette or the multiple cassette unit of the Lotem. The media are then automatically loaded, registered and imaged using the same high quality imaging system used to make plates.

Features and Benefits

- Combined plate / proof CTP device
- Two resolutions available – 2400 or 2540dpi
- Supports the DLC and MCU configurations
- Automatic loading and unloading
- Automatic switching between plates and proof
- Creo Staccato – high definition stochastic screening

Prerequisites[1]

- Lotem 800 II Family CTP device
- Lotem 800 Quantum CTP device
- Qualified device control software:
  - Brisque Version 4
  - CS Xpose for Prinergy
- Qualified dot gain calibration software:
  - Brisque Tone Reproduction (included as part of Brisque Version 4)
  - Harmony for Prinergy
- Qualified spectrophotometer
- Other prerequisites described in Lotem Spectrum Site Preparations and Requirements

Equipment Not Supplied By Creo

- 5-drawer plan file media cabinet, 610 x 910cm (24" x 36") for media and carrier storage
- Laminator (See specifications for qualified thermal halftone color proofing materials.)
- Qualified spectrophotometer

Consumables Not Supplied By Creo

- Qualified thermal halftone color proofing materials

Available Configurations[2]

- 4 Page Size: 559mm x 762mm (22”x30”)
- 8 Page size: 762mm x 1016mm (30” x 40”)

[1] Some proofing media may restrict the operating range of the system. Consult the proofing media manufacturer for their recommended temperature and humidity ranges for proofing and media storage.

[2] Both formats are not supported by all media manufacturers. Consult the proofing media manufacturer for their supported media formats.

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Components	

Standard Hardware[3]	• Proof loader including:
	  • 2 proof loading tray (for both 4 up and 8 up sizes)
	  • 1 unload proof basket
	  • 2 Set of separators for 4 page proof
	  • 2 Set of separators for 8 page proof
	  • 2 Eight page carrier
	  • 2 Four page carrier

Standard Software	• Lotem Controller version 3.70 or 3.75
Documentation Included	• Lotem 800 Spectrum Operator Manual
Training Included	• Please consult Creo training schedule
Consumables Included	• 1 Additional set of cassette separator sheets for 4 and 8 page format
Options	
Optional Consumables	• Additional carriers and separator sheets
Optional Hardware	• Additional 4 and 8 page proof loading trays
Optional Software	• Creo Staccato 10 micron high definition stochastic screening
Proof Media Type	• 830 nm thermal IR-sensitive color proofing materials. See specifications for qualified thermal halftone proofing media.
Proof Media Thickness	• 0.15 mm (0.004”)
Proof Tray Capacity[4]	• DLC: Seven (7) 4 color proof • MCU: Fifteen (15) 4 color proof
Input	
Carrier Media Size (Min/Max)	• 4 Page Size: 559mm x 762mm (22" x 30") • 8 Page Size: 762mm x 1016mm (30" x 40")
Donor Media Size (Min/Max)	• 4 Page Size: 590.5mm x 794mm (23.25" x 31.25") • 8 Page Size: 794mm x 1048mm (32.25" x 41.25")
Output	
Image Area	• 4 Page Size: 533mm x 737mm (21” x 29”) full quality • 8 Page Size: 737mm x 991mm (29” x 39”) full quality

[3] Components are supplied for 4 and 8 page sizes.

[4] Additional colors reduce the number of proof proportionally.

Spectrum for Lotem 800 II Specifications

Resolution	• 47.2 and 94.4dpmm (1200 and 2400dpi) **OR** • 50 and 100dpmm (1270 and 2540dpi)
Approved Screen Sets	• Dependent on device configuration. See device specifications.
General Functions	• The Lotem 800 Spectrum option supports both the Dual Loading Cassette (DLC) and the Multiple Cassette Unit (MCU). • In an MCU configuration the proof loading tray is located in cassette no. 5. • In a DLC configuration the proof loading tray is located in the cassette upper tray. • The system loads the blanket, carrier and donors automatically and exposes each donor according to DFE request. • The system then unloads the donor one at a time, carrier and blanket.
Specific Functions	
Switching Between Imaging Plates and Proofs	• Carrier is loaded onto the drum prior to imaging a proof from the loading tray. • Carrier is removed from drum prior to imaging a plate.

Proof loading:	• Up to seven (7) sets of media in DLC or fifteen (15) sets of media in MCU each must include CMYK & receiver is hand loaded into the proof loading tray.
	• Proof loading tray inserted into the DLC or MCU.
	  • Media automatically loaded, imaged and unloaded
	  • Imaged donors ejected into Spectrum media basket
	  • Imaged receiver ejected into Spectrum media basket
	  • Imaged receiver hand fed to laminator

Performance	
Throughput in continues proofing mode:	• 37min for full format 8-up @ Resolution 100d/mm (2540dpi)
Environmental Conditions	• See Lotem 800 II Specifications document no. 707-00009C
Electrical Requirements	• See Lotem 800 II Specifications document no. 707-00009C
Equipment Dimensions	• See Lotem 800 II Specifications document no. 707-00009C
Equipment Weight	• See Lotem 800 II Specifications document no. 707-00009C
Regulatory Compliance	• See Lotem 800 II Specifications document no. 707-00009C