

Lotem 800 II Family

Written by Yaron Soffer

About this Presentation

Back

- In April 2003 we are going to announce throughput improvements for all Creo 8-page CTPs (TS and Lotem).
- This presentation explains the steps planned for the Lotem 800 II Family.
- In the presentation you will find words underlined in blue, which are links to more detailed information (works only in Slide Show mode).
- This presentation contains confidential CREO information.
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Document History:

Ver	Edited by	Date	Description
1	Yaron Soffer	31-Dec-02	First draft
2	Yaron Soffer	1-Jan-2003	Updated for new plan
3	Yaron Soffer	6-Jan-2003	2nd Draft
4	Yaron Soffer	22-Jan-2003	3rd draft to core team
5	Yaron Soffer	27-Mar-2003	Send to DU

September 2002

Back

- Our strategy for the broad market is working successfully with the TS 800.
- However, with the current Lotem 800 Family:
  - We face difficulties differentiating our product against the competition: DS/Fuji/HDM/KPG/Agfa with PTR 8000 8000/8600 or the X45.
  - No compatibility to Quantum feature set
  - No support for Spectrum proofing

Why do we need to increase speed?

Back

- Competition:
  - DS / Fuji / HDM - 12 pph
  - DS / Fuji / HDM - 20 pph
  - AGFA Xcalibur 45 - 20 pph
- Today we need to sell V speed in order to compete with 20 pph.
- Increase speed instead of price reduction.

Solution – Introduction of Lotem 800 II

Back

Introducing Lotem 800 II:

- TH2 imaging head
- 3 imaging speeds:
  - S – 15 pph
  - F – 22 pph
  - V – 29 pph
- Field upgrade/factory installed Spectrum option
- Field upgrade to Quantum
- Supports all automation features (cassettes, punches etc.)

Lotem 800 Family

Back

Lotem 800 II Quantum

Our top-of-the-line performance 8-page CTP device, fully automated, SQUAREspot™ imaging technology with Quantum feature set.

Lotem 800 II

Lotem® platform, an entry-level device that can be field upgraded to SQUAREspot™ imaging technology.

Lotem 800

The entry-level Lotem® 800 platform device, fully automated with two speeds: 10 and 16 pph.

Lotem 800 II Quantum (from Beta end)

Back

SQUARE spot™ Imaging Technology



Speed options:

Standard (S) speed	15 pph*
Fast (F) speed	22 pph*
Very Fast (V) speed	29 pph*



2400 or 2540 dpi
Max line screen 450 LPI
Staccato® 10 and higher



Options:Dual Loading Cassette, MCU and Spectrum

* Under certain limitations specified in the specification document

Lotem 800 II Quantum Ready

Back

Speed options:

Standard (S) speed	15 pph*
Fast (F) speed	22 pph*
Very Fast (V) speed	29 pph*



P33 imaging head

2400 or 2540 dpi

Max line screen 200 LPI



Staccato® 25 micron

Pixel scrubbing (see FAQs #2)

Thermal imaging technology



Options:Dual Loading Cassette, MCU, Spectrum and upgrade to SQUAREspot™

* Under certain limitations specified in the specification document

Lotem 800 Family Tree **until Sep-02**

Back



Lotem 800

Lotem 800
Fiber Head

Lotem 800
TH2

Lotem 800 (GTO)

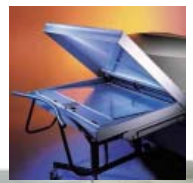
Lotem 800 Form

Lotem 800 Quantum

Lotem 850 Quantum

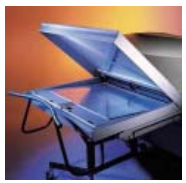
S – 10 pph

F – 16 pph





S – 10 pph



SQUARE spot

F – 16 pph

V – 25 pph

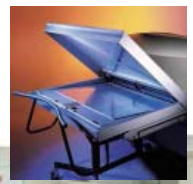






SQUARE spot

V – 24 pph





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Lotem 800 FH & TH Tree **Sep-02 until April-03**

Back



Lotem 800

- **Lotem 800** Fiber Head
  - **Lotem 800 (GTO)**
    - S – 10 pph
    - F – 16 pph
  - **Lotem 800 Form**
    - S – 10 pph
- **Lotem 800 II** TH2
  - **Lotem 800 II** Quantum Ready
    - S – 10 pph
    - F – 16 pph
    - V – 25 pph
  - **Lotem 800 Quantum** SQUAREspot
    - S – 10 pph
    - F – 16 pph
    - V – 25 pph
  - **Lotem 850 Quantum** SQUAREspot
    - V – 24 pph

Lotem 800 FH & TH Tree **from April-03 Beta end**

Back



Lotem 800

Lotem 800
Fiber Head

Lotem 800 II
TH2

Lotem 800 (GTO)

- S – 10 pph
- F – 16 pph

Lotem 800 Form

- S – 10 pph

Lotem 800 II
Quantum Ready

- S – 15 pph
- F – 22 pph
- V – 29 pph Beta

Lotem 800 II Quantum

SQUARE spot

- S – 15 pph
- F – 22 pph
- V – 29 pph Beta

Lotem 850 Quantum

SQUARE spot

- V – 24 pph

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Lotem 800 FH & TH Tree **from Beta end**

Back



Lotem 800

Lotem 800
Fiber Head

Lotem 800 II
TH2

Lotem 800 (GTO)

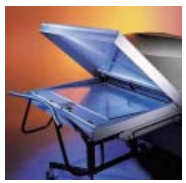
- S – 10 pph
- F – 16 pph





Lotem 800 Form

- S – 10 pph



Lotem 800 II
Quantum Ready

- S – 15 pph
- F – 22 pph
- V – 29 pph



Lotem 800 II Quantum

SQUARE spot

- S – 15 pph
- F – 22 pph
- V – 29 pph



Lotem 850 II Quantum

SQUARE spot

- V – 28 pph

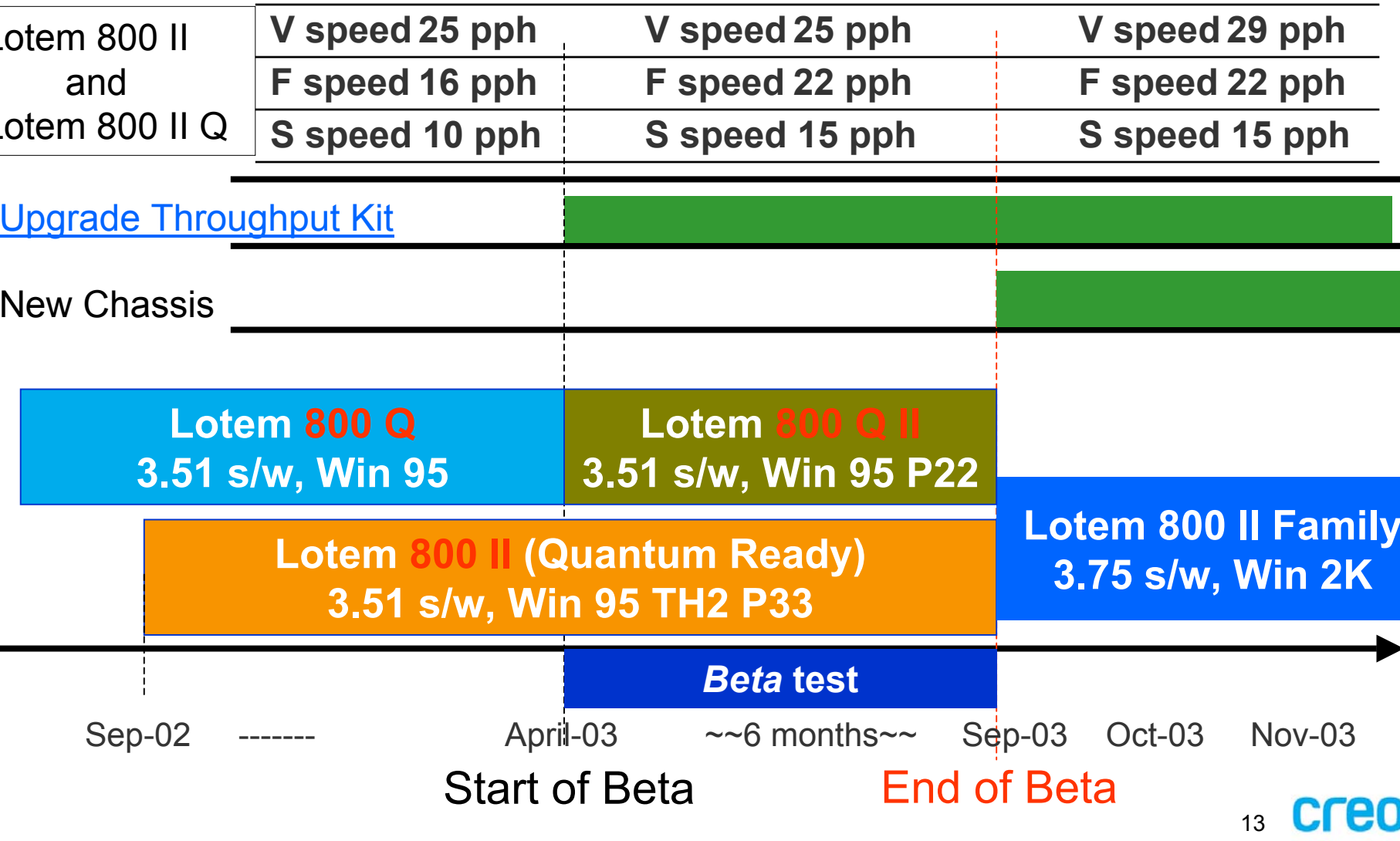




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Time Line

Back



Technical Aspects

Back

Lotem 800 II Quantum:

The same Lotem Quantum machine as we have today with regard to TH2 (SQUAREspot™) quality, but with an upgrade throughput kit and new chassis (see FAQs #4).

Lotem 800 II (Quantum Ready):

Based on the existing Lotem 800 Quantum, but with a **different exposing head** called TH2 P33.
Lotem 800 II is limited to staccato 25 micron.

Upgrading the machine to Lotem 800 II Quantum requires replacing theTH2 head. Machines shipped until Beta end will need the upgrade throughput kit as well.

Lotem 800 II and Lotem 800 II Quantum have the same drum speed or throughput.

More information can be found in TechPlanet.

Lotem 800 II family shipping configuration

Back

Since Q1-2002:

- Unidentifiable P33 head
- Lotem 3.51 s/w
- F speed = 16 pph and V speed = 25 pph

From April 2003:

- Unidentifiable P33 head
- Lotem 3.51 s/w
- S speed = 15 pph, F speed = 22 pph V speed = 25 pph (will be upgraded to 29 pph at the end of Beta) and V speed = 29 pph (Beta status).
- All machines will have new part numbers (except V speed with 25 pph).

From end of Beta:

- P33 head (smart P33 Head)
- Lotem 3.75 s/w
- S speed = 15 pph, F speed = 22 pph and V speed = 29 pph
- All machines will have new part numbers (second time).

Beta plan

Back

The Beta will start beginning of March at 6 or 7 sites, each with a different configuration; some will be existing customers and some are new.

The Beta will include:

- Upgrading V speed 25 pph (win 95) to 29 pph (win 2K)
- MCU machines
- Spectrum machines
- Upgrading F speed machine (16 pph) to 25 pph
- New machines with the new chassis

The Beta test ends when the machine meets all Beta specifications, and reaches the same reliability it had before the Beta started.

At the end of Beta, all customers who bought V speed with 29 pph will be upgraded.

Yaron D. provided a detailed Beta plan.

Upgrade throughput kit

Back

The Upgrade Throughput Kit will include the following:

- Win 2K (new image CD)
- Software version 3.75
- HASP Dongles (speed and SQUAREspot™)
- New CPU board

This kit will be implemented on all Lotem 800 II machines from Beta end time.
A different HASP dongle is used according to machine speed.

HASP Dongle

Back

The dongle's purpose is to distinguish between the Lotem 800 II flavors.

Dongle types:

- F – applies to F speed and upgrade from S to F speed
- F2V – applies to V speed and upgrade from F to V speed
- Q – applies to Quantum machines (with TH2 heads)

	Lotem 800 II	Lotem 800 II Quantum
S speed	No dongle	Q
F speed	F	F Q
V speed	F F2V	F F2V Q