Instructor Guide

English

Lotem 400 PS/M Internal Training

399Z1P830A

www.creo.com

Copyright

Copyright © 2002 Creo Inc. All rights reserved.

No copying, distribution, publication, modification, or incorporation of this document, in whole or part, is permitted without the express written permission of Creo. In the event of any permitted copying, distribution, publication, modification, or incorporation of this document, no changes in or deletion of author attribution, trademark legend, or copyright notice shall be made.

No part of this document may be reproduced, stored in a retrieval system, published, used for commercial exploitation, or transmitted, in any form by any means, electronic, mechanical, photocopying, recording, or otherwise, without the express written permission of Creo Inc.

This document is also distributed in Adobe Systems Incorporated's PDF (Portable Document Format). You may reproduce the document from the PDF file for internal use. Copies produced from the PDF file must be reproduced in whole.

……

Trademarks

The Creo wordmark, Creo logo, and the names of the Creo products and services referred to in this document are trademarks of Creo Inc.

Adobe, Acrobat, the Acrobat logo and PDF are registered trademarks of Adobe Systems Inc., and are registered in the US Patents and Trademark Office and may be registered in other jurisdictions.

Apple, AppleTalk, AppleShare, EtherTalk, LocalTalk, Macintosh, and Laserwriter are trademarks of Apple Computer Inc.

Microsoft, Microsoft Windows NT, Microsoft Windows 2000, and Windows are trademarks or registered trademarks of Microsoft Corp.

Xerox is a registered trademark of Xerox Corp.

Other brand or product names are the trademarks or registered trademarks of their respective owners.

……

FCC Compliance

The Creo equipment referred to in this document complies with the requirements in Part 15 of FCC Rules for a Class A computing device. Operation of the Creo equipment in a residential area may cause unacceptable interference to radio and TV reception, requiring the operator to take whatever steps are necessary to correct the interference.

……

Limitation of Liability

The product, software or services are being provided on an “as is” and “as available” basis. Except as may be stated specifically in your contract, Creo Inc. expressly disclaims all warranties of any kind, whether express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose and non-infringement.

You understand and agree that Creo Inc. shall not be liable for any direct, indirect, incidental, special, consequential or exemplary damages, including but not limited to, damages for loss of profits, goodwill, use, data or other intangible losses (even if Creo has been advised of the possibility of such damages), resulting from: (i) the use or the inability to use the product or software; (ii) the cost of procurement of substitute goods and services resulting from any products, goods, data, software, information or services purchased; (iii) unauthorized access to or alteration of your products, software or data; (iv) statements or conduct of any third party; (v) any other matter relating to the product, software, or services.

The text and drawings herein are for illustration and reference only. The specifications on which they are based are subject to change. Creo Inc. may, at any time and without notice, make changes to this document. Creo Inc., for itself and on behalf of its subsidiaries, assumes no liability for technical or editorial errors or omissions made herein, and shall not be liable for incidental, consequential, indirect, or special damages, including, without limitation, loss of use, loss or alteration of data, delays, or lost profits or savings arising from the use of this document.

……

Patents

This product is covered by one or more of the following U.S. patents:

RE37,376	5,283,140	5,517,359	5,699,740	5,969,872	6,134,393	6,283,589
4,456,924	5,291,273	5,519,852	5,708,736	5,973,801	6,136,509	6,295,076
4,500,919	5,323,248	5,526,143	5,713,287	5,986,819	6,137,580	6,299,572
4,558,302	5,325,217	5,532,728	5,742,743	5,995,475	6,147,789	6,318,266
4,743,091	5,339,176	5,561,691	5,764,374	5,996,499	6,158,345	6,340,817
4,992,864	5,343,059	5,568,595	5,764,381	5,998,067	6,159,659	6,352,816
5,049,901	5,355,446	5,576,754	5,771,794	6,003,442	6,164,637	6,353,216
5,079,721	5,359,451	5,579,115	5,785,309	6,014,471	6,180,325	6,366,339
5,081,617	5,359,458	5,592,309	5,802,034	6,016,752	6,181,362	6,371,026
5,103,407	5,367,360	5,594,556	5,813,346	6,031,932	6,181,439	6,377,739
5,111,308	5,384,648	5,600,448	5,818,498	6,043,865	6,186,068	6,387,597
5,113,249	5,384,899	5,608,822	5,854,883	6,060,208	6,189,452	6,396,422
5,122,871	5,412,491	5,615,282	5,861,904	6,063,528	6,191,882	6,414,755
5,124,547	5,412,737	5,625,766	5,861,992	6,063,546	6,204,874	6,396,618
5,132,723	5,420,702	5,636,330	5,875,288	6,072,518	6,208,369	6,407,849
5,150,225	5,420,722	5,649,220	5,894,342	6,090,529	6,214,276	6,422,801
5,153,769	5,459,505	5,650,076	5,900,981	6,096,461	6,217,965	6,435,091
5,155,782	5,473,733	5,652,804	5,934,196	6,098,544	6,252,522	
5,157,516	5,481,379	5,680,129	5,942,137	6,107,011	6,260,482	
5,208,818	5,488,906	5,691,823	5,946,426	6,112,663	6,266,080	
5,208,888	5,497,252	5,691,828	5,947,028	6,115,056	6,266,134	
5,247,174	5,508,828	5,696,393	5,958,647	6,121,996	6,267,054	
5,249,067	5,509,561	5,699,174	5,966,504	6,130,702	6,268,948	

Creo Inc.
3700 Gilmore Way
Burnaby, B.C., Canada
V5G 4M1
Tel: (1) (604) 451-2700
Fax: (1) (604) 437-9891

http://www.creo.com

399Z1P830A

Table of Contents

Lotem 400 PS/M Training Overview 1
Course/Classroom Set-up Requirements 4
Before you Begin 6
Key Topics 9

Module 1

Overview of Lotem 400 PS/M 15
Module Objectives 15
Lotem 400 PS/M Overview 16
Why Use the Lotem400V PS/M? 17
Documentation and Facility 18
Module Recap 19

Module 2

Demo of Lotem 400 PS/M Workflow 21
Module Objectives 21
Module Recap 22

Module 3

Lotem 400 PS/M Installation 23
Module Objectives 23
Additional Lotem Expose Hardware 24
Lotem Expose Architecture - Hardware 25
Lotem Expose Architecture - Software 26
Logistics 27
Network/Modem Requirements 28
Modem Configuration Setup 29
Modem Configuration Setup 30
Remote Support 31
Remote Support (con't) 32
Remote Support (con't) 33
Remote Support (con't) 34
Remote Support (con't) 35
Network Connection and Settings 36
Network Connection and Settings (con't) 37
Network Connection and Settings (con't) 38
Network Connection and Settings (con't) 39
Network Connection and Settings (con't) 40
Cold Start Software Installation 41
Upgrade Software Installation 42
Mounting DataVolumes on the Macintosh Desktop 43
Mounting DataVolumes on the Macintosh Desktop (con't) 44

Mounting DataVolumes on the Macintosh Desktop (con't) 45
Mounting DataVolumes on the Macintosh Desktop (con't) 46
Main Application Module on the Macintosh 47
Not Supported on Macintosh 48
Exercise 49
Module Recap 50

Module 4

Workflow 51
Module Objectives 51
Lotem 400 PS/M Basic Configuration 52
Expose Methods 53
Workflow A 54
Workflow B 55
Workflow C 55
Workflow D 56
Module Recap 57

Module 5

Overview of Lotem Expose Application 59
Module Objectives 59
Lotem Expose and PC Controller User Interface 60
Lotem Expose UI 61
Production Manager 62
File Manager 63
Expose Utilities 64
Hot Folder Setup 65
Modify a Hot Folder Setup 67
Exercise 68
Creating a New Template 69
Plate Expose Window – Media Tab 70
Plate Expose Window – Exposure Tab 71
Plate Expose Window – Layout Tab 72
Plate Expose – Screening Tab 73
Plate Expose – Separation Tab 74
Setting the Template Job's Completion Policy 75
Saving Templates 76
Storage of New Templates 77
Opening or Deleting Templates 78
Exercise 79
Workflow Exercises 80
Module Recap 83

Module 6

Lotem 400 PS/M Troubleshooting 85

Module Objectives 85
Operating System 86
Lotem Expose and PC Controller 87
Disk 88
Network 89
Version Installation 90
Module Recap 91
Course Recap 93

Lotem 400 PS/M Internal Training Overview

This training package contains information and tools that will help you train your customer audience fully and efficiently on the main features, concepts and workflows of the Lotem 400 PS/M. This training program is based on the PS/M DFE v 7.x, Lotem Expose, and Lotem PC Controller software applications, and Lotem 400.

Trainees are expected to have completed the PS/M training course (or be familiar with the Brisque workflow) and be familiar with the Lotem 400 device before taking this course.

Please take the time to familiarize yourself in advance with the contents of this package so that your training session will be as efficient as possible.

We hope that you find the material contained in this package useful and we would appreciate receiving your comments regarding any of its contents. Your feedback will help improve the level of our training program.

This training package includes an Instructor’s Book, and a Student Book.

- The Instructor’s book contains the course presentation in PowerPoint files and the course handouts (as in the Student Book) with the appropriate training tips, the exercises to be performed, and the course summary form.
- The Student Book contains handouts that include a representation of each of the course slides with the appropriate explanations, the exercises to be performed, and an evaluation questionnaire.

Course Description

Course name:	Lotem 400 PS/M Engineering Training Package
Target audience:	Creo Service Engineers.
Duration:	3 day.
No. of Participants:	Up to 8 in a classroom.
Prerequisites:	▪ Familiarity with the Pre-press world and concepts. ▪ Familiarity with Macintosh operation. ▪ Familiarity with PS/M v7.x or Brisque v 3.x ▪ Familiarity with Lotem 400
Configurations:	PS/M v 7.x, Lotem Expose, PC Controller, Lotem 400
Course Description:	A technical PS/M to Lotem 400 workflow course aimed at Creo service engineers. At the end of the course, the trainee will have covered all the main features of a PS/M to Lotem 400 workflow and be able to install and connect the Lotem 400 PS/M package. He/she will be able to send jobs from the PS/M DFE to the Lotem 400 device. The aim of the course is to give Creo service engineers the relevant skills and knowledge so that he/she can be productive quickly.

Training Program Guidelines

The main goal of this training program is to build an effective training sequence for Lotem 400 PS/M workflows, based on the following guidelines:

- The training sequence is planned from general concepts to more specific skills. Subjects are divided into small units to facilitate learning and understanding of the new material.
- The training is not divided into time units as each training session may be different depending on the customer configurations, the training environment (classroom vs. customer site), the customer's learning curve, and their background. However, it is recommended to review and summarize at the end of each day the subjects taught during that day.
- There are many optional modules that can be taught or not depending on the customer configuration. The course can, therefore, be easily customized by omitting topics and exercises that are not relevant.
- When a new concept is taught, not all its options are necessarily introduced in the same unit. Usually, the simpler concepts are taught first, followed by concepts and operations that are more complex in later units. The program is designed so that there are many opportunities to review features covered previously, enabling the customer to consolidate on his/her knowledge and understanding.
- The program is workflow oriented and as such, special exercises have been designed for each unit or 'chunk' of information. All the operations needed to work on the exercises are taught previously.
- The training program includes all the subjects essential for the Lotem 400 PS/M Engineering training, bearing in mind the course length. Functions and subjects not included in this book can be taught in a later course or by documentation provided by Creo for this product.
- Many step-by-step handouts are provided so that the instructor can talk the customer through the procedure before an exercise is given or as a review of the procedure taught in class.

Course/Classroom Set-up Requirements

Required Equipment

Equipment	Quantity	Remarks
PS/M v7.x workstation.	1 per customer	
Lotem Expose and PC Controller Monitor	1 per Lotem 400	
Lotem 400	1 per class	
Latest versions of the following software: QuarkXPress, Photoshop, Illustrator, Pagemaker, Adobe Acrobat Exchange and Distiller version 4.0, Synapse XT for QuarkXPress (Spot Colors XT and Synapse Print XT) and the latest PPDs and Drivers.	1 per customer (see comment left)	Can be run on the same Macintosh running the PS/M application
Plates for the Lotem 400	2 boxes	
Overhead projector or LCD adapter for Mac or LCD adapter for SVGA	1	
White board or flip chart	1	

Available Documentation

Documentation	Language	Part No
Lotem 400 PS/M User Guide	English	399Z1P591A
Lotem 400 PS/M Installation Guide	English	399Z1P592A
Lotem 400 PS/M Site Preparation Guide	English	399Z1P650A
PS/M User Guide	English	399Z1P644A
PS/M Quick Start	English	399Z1P642A
	German/French	399Z1P643A
PS/M Training	English	399Z52878C (Eur) 399Z52879C (USA)
	French	399Z528788C
	German	399Z52880C
	Spanish	399Z52882C (Eur) 399Z52883C (EE.UU)
Lotem 400 Quick Start	English	399Z1N1364
	French	399Z1N138A
	Dutch	399Z1N141A
	German	399Z1N137A
	Italian	399Z1N139A
	Spanish	399Z1N140A
	Swedish	399Z1N142A
Lotem 400 Safety Precautions for User	English	399Z1M621A
	French	399Z1N118A
	German	399Z1N117A
	Italian	399Z1N119A
	Spanish	399Z1N120A
	Swedish	399Z1N122A
	Dutch	399Z1N121A
Lotem 400 Training	English	399Z1N074A (Eur) 399Z1N075A (USA)
	French	399Z1N077A
	German	399Z1N076A
	Italian	399Z1N080A
	Spanish	399Z1N078A

Notes:

- The above documentation is available in PDF format.
- The Lotem 400 User Guide and Quick Start are available in hard copy.
- The Lotem 400 and PS/M Training packages are available in hard copy.

Before you Begin

Before you start training make sure that:

- The proofer is working (if you have one in the classroom or onsite).
- The CTP device is working.
- The device controller workstations are working.
- The Macintosh stations are working.

Preparation for the Exercises

Prior to the course, ensure that the files used in the exercises have been copied from the Training CD to the hard disks of all the Macintoshes.

In order to do all the exercises, each trainee will need to work with one PS/M 4.0. Each trainee should also work with one PC Controller.

If the classroom environment does not allow each trainee access to a device control workstation, the instructor should define the necessary media sizes or media definitions as described in the Media Definition exercises prior to the beginning of the class.

Additional Macintoshes networked together should be used for sending files to the PS/M and using PressTouch (when it is part of the training). The Macintoshes can also be used to open QuarkXPress files and modify them when required.

1. Create a new folder on each desktop and name it “Training”. Copy the folder “PS/M Ver.7.0 Exercises” in the “PS/M V.7.0 Student” CD to the training folder.
2. Create a new folder in the Training folders and name it “Exercises Output”, students will later designate this folder as PS/M’s **Output Folder**.

The following files are used in the exercises:

EPS files

- Boat.eps
- Bottle.eps
- Guitar.eps
- Spot1.eps

HiRes files

- CT1
- CT 10
- CT 6
- CT7

PostScript files

- DigitalExp.ps
- EX-4.ps
- EX-9A.ps
- EX-9B.ps
- EX-11.ps
- EX-12.ps
- Ex-16.ps
- PARROT.ps
- SWANN.ps

PDF files

- EX-3.pdf

Fonts

- Sand

QuarkXPress Files

Exercise File Name	Picture File Name
EX-5.qxp	• Bild2.tif • Bild6.tif • Bild7.tif • Titel.tif • Bodyeffekt.tif • Balken1.tif • Balken2.tif
EX-6.qxp	• Mystery
EX-6A.qxp	• BI.tif • BUE.tif • INSEKT.tif • HJERTE.tif

EX-7.qxp	• Animate.eps • RSView Signature • RSView Outside Covers A4 • Kuva 1 • Kuva 4 • Gray Bar A • Gray Bar B • Gray Bar D • Graphics Editor p2 • Globe

Key Topics

- Trainer/Customer Introduction
- Course Objectives
- Course Overview

Module 1 – Overview of Lotem 400 PS/M

- Module Objectives
- Lotem 400 PS/M Overview
- Why Use Lotem 400 PS/M?
- Documentation and Facility
- Module Recap

Module 2 – Demo of Lotem 400 PS/M

- Demo of Lotem 400 PS/M

Module 3 – Lotem 400 PS/M Installation

- Module Objectives
- Additional Lotem Expose Hardware
- Lotem Expose Architecture – Hardware
- Lotem Expose Architecture – Software
- Logistics
- Network/Modem Requirements
- Modem Configuration Setup
- Remote Support
- Network Connection and Settings
- Cold Start Software
- Upgrade Software
- Mounting DataVolumes on Macintosh
- Main Application Module on the Mac
- Not Supported on Mac
- Exercises
- Module Recap

Module 4 – Workflows

- Module Objectives
- Lotem 400 PS/M Basic Configuration
- Expose Methods
- Workflow A
- Workflow B
- Workflow C
- Workflow D
- Module Recap

Module 5 – Overview of Lotem Expose Application

- Module Objectives
- Lotem Expose and PC Controller User Interface
- Lotem Expose UI
- Production Manager
- File Manager
- Expose Utilities
- Hot Folder Setup
- Exercise
- Creating a New Template
- Plate Expose Window – Media Tab
- Plate Expose Window – Exposure Tab
- Plate Expose Window – Layout Tab
- Plate Expose Window – Screening Tab
- Plate Expose Window – Separations Tab
- Setting the Templates Job Completion Policy
- Saving Templates
- Storage of New Templates
- Opening of Deleting New Templates
- Exercise
- Module Recap

Module 6 – Lotem 400 PS/M Troubleshooting

- ❑ Module Objectives
- ❑ Operating System
- ❑ Lotem Expose and PC Controller
- ❑ Disk
- ❑ Network
- ❑ Version Installation
- ❑ Module Recap

❑ Course Recap

Course Objectives

- Understand the principles behind Lotem 400 PS/M
- Learn the differences between the Lotem 400 and the Lotem 400 PS/M, H/W & S/W.
- Learn the Lotem 400 PS/M end-user workflow:
    - Using the different expose utilities
    - Defining templates & hot folders
    - Defining and sending a job from the PS/M
- Troubleshooting

Course Overview

- Overview of Lotem 400 PS/M (**Module 1**)Demo of Lotem 400 PS/M workflow (**Module 2**)Lotem 400 PS/M H/W & installation (**Module 3**)Workflow - Processing and managing jobs (**Module 4**)Lotem Expose user interface (**Module 5**)Production manager
    - File manager
    - Expose utilities
    - Templates
- Troubleshooting (**Module 6**)

Module 1

Overview of Lotem 400 PS/M

Module Objectives

(1-1)

At the end of this module you'll understand:

- The principles of Lotem 400 PS/M workflow
- The highlights of using the Lotem 400 PS/M

Lotem 400 PS/M Overview

(1-2)

- The Lotem 400 platesetter connects to the Macintosh(s) via the network.
- Jobs to be exposed by the Lotem Expose application are first RIPed by the PS/M application, which resides on a Macintosh computer.
- The RIPed data is then sent via the network to the PC Controller in the Lotem 400 platesetter.
- The job is exposed via TSP on the plate.

Why Use the Lotem 400 PS/M?

(1-3)

- Entry level product (low price)
- Upgrade option to 400VA
- Enables the CTP WF from a Macintosh
- Distance between the PS/M DFE and the Lotem is unlimited
- Multiple Macintosh computer based PS/Ms can be connected to the same Lotem
- Simple transfer from CTF to CTP

Documentation and Facility

(1-4)

Available documentation:

- Lotem 400 PS/M User’s Guide
- Lotem 400 PS/M Installation Guide

Module Recap

(1-5)

In this Module you have learned:

- The principles of Lotem 400 PS/M workflow
- The highlights of using the Lotem 400 PS/M
- The documentation used during the course

Module 2

Demo of Lotem 400 PS/M Workflow

Module Objectives

(2-1)

At the end of this module you will understand:

- The basic PS/M to Lotem 400 workflow.

Module Recap

(2-2)

In this Module you have learned:

- The basic PS/M to Lotem 400 workflow

Module 3

Lotem 400 PS/M Installation

Module Objectives

(3-1)

At the end of this module you will know how to:

- Install and upgrade the Lotem Expose SW
- Configure the network & the modem
- Mount the DataVolumes on the Mac

Additional Lotem Expose Hardware

(3-2)

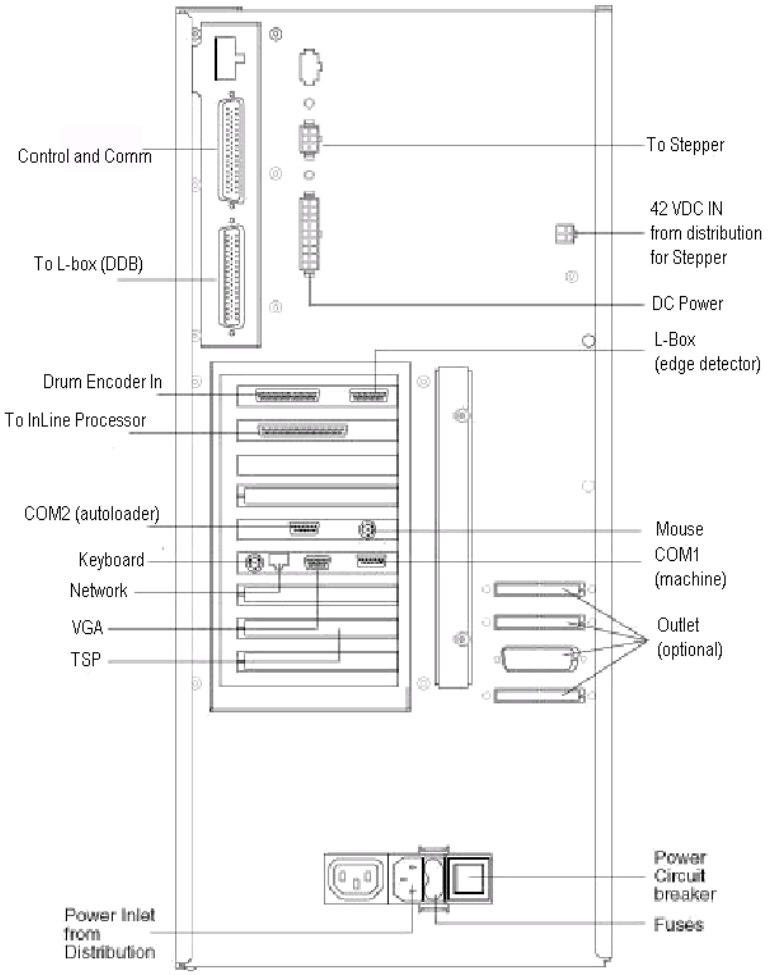
Based on existing Lotem 400 E-Box

- Motherboard with 2 PCI slots
- AMD K6-3/450 MHz
- 256 MB memory
- SCSI disk 18 GB
- External modem
- Monitor 17”
- Existing Lotem Boards
    - Strobe
    - NUC
    - MCF
    - DSM
    - TSP

Lotem Expose Architecture - Hardware

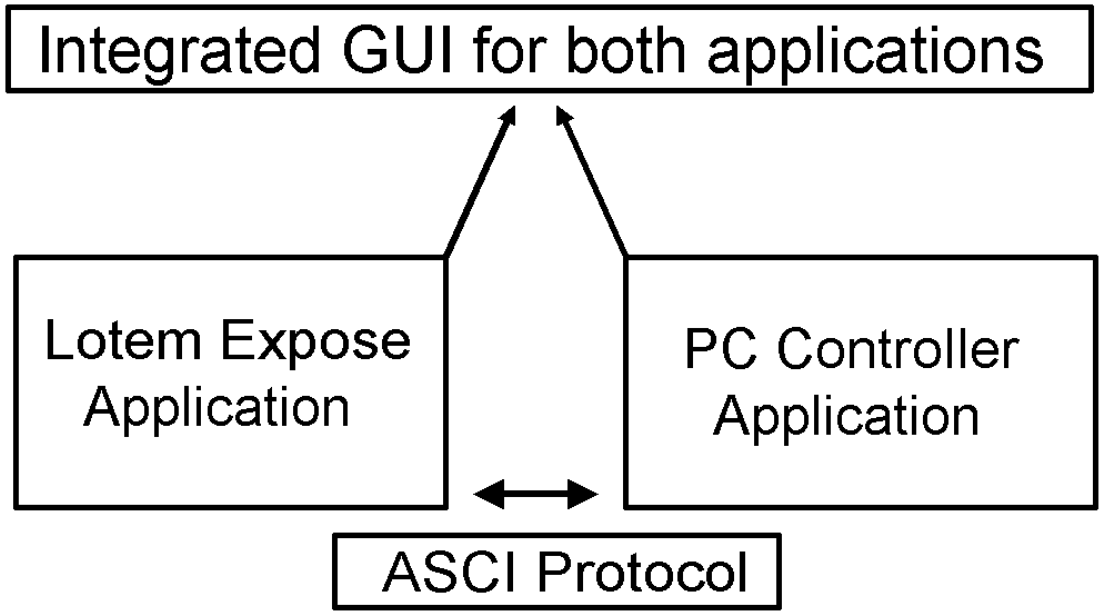
(3-3)

Modem - connects to Com2



Lotem Expose Architecture - Software

(3-4)



Logistics

(3-5)

605A70401	EXT MODEM SUPRA EXPRESS 56K	1	Unique
209A00160	P/S+5, +12,-12V-250W		
340C30060	220VAC 172X150X51MM 190235CFM	1	Unique
503C2L166S	MCF BRD ASSY		
503C2L182S	NUC BRD ASSY		
503C2L482S	STROBE7 BRD ASSY		
503C2L484S	DSM2BRD ASSY		
504N3E310	LOTEM E-BOX EXP.HARNESS.	-	Unique
504T3E311	FLAT 68 MINI D-TYPE X6 PLG	-	Unique
504L1L670A	CBL,62 PIN D-TYPE PLG-PLG L=4M	-	Unique
504N1L438	DISK'S & C.D DRAWER	1	Unique
506D2D462	LOCAL 3 BOX ASSY		
605B10488	SBC, PICMG, K6/3 400,256MB,USCSI2		Unique
607A10030	CDROM DRIVE X32 IDE		
607A10610	DISK 10GB IDE		
607A20325	18GB XL USCSI160 DISK	1	Unique
607A40072	FDD 3.5" DRIVE 1.44MB CREM		
504L3E498	CBL.9D-TYPE PLG TO REC L=8M.	1	Unique

Network/Modem Requirements

(3-6)

Site prep:

Differences are in Network/Modem Requirements:

- One network RJ-45 (twisted-pair) socket near the Lotem. For improved system productivity, it must be 100BaseT.
- A direct dedicated telephone line for remote support via modem (modem is supplied).

Modem Configuration Setup

(3-7)

The Modem and Software are pre-installed, therefore,

- Connect the Modem to the power supply.
- Connect cable number 504L3E498 between the modem connector and Com 2 in the E-box.
- Connect the telephone line to the modem.

1. From the **Start** menu, select **Programs - Diamond - Modem MS Setup**.

   The language selection dialog box appears.

2. Select the language in which you prefer to follow the procedure. Click >> to continue.

   The country flags window appears.

3. Select the country in which you wish to connect your modem. Click >> to continue.
4. Confirm your choice. Click >>.
5. Click **Quit**.

Modem Configuration Setup

(3-8)



Configure the specific country.

If there is a need to re-install, please refer to the *Lotem 400 PS/M Installation Guide Cat. No. 399Z1P592A.*

Remote Support

(3-9)

The following steps are required for enabling a Remote Support session:

1. Connect the telephone line to the modem and make sure the modem is turned on.
2. Activate the RAS (See the next 2 slides).
3. Activate the VNC.
4. Activate NetMeeting (Only if you need to use NetMeeting).
5. Enable remote diagnostics. (Only if you need it.)

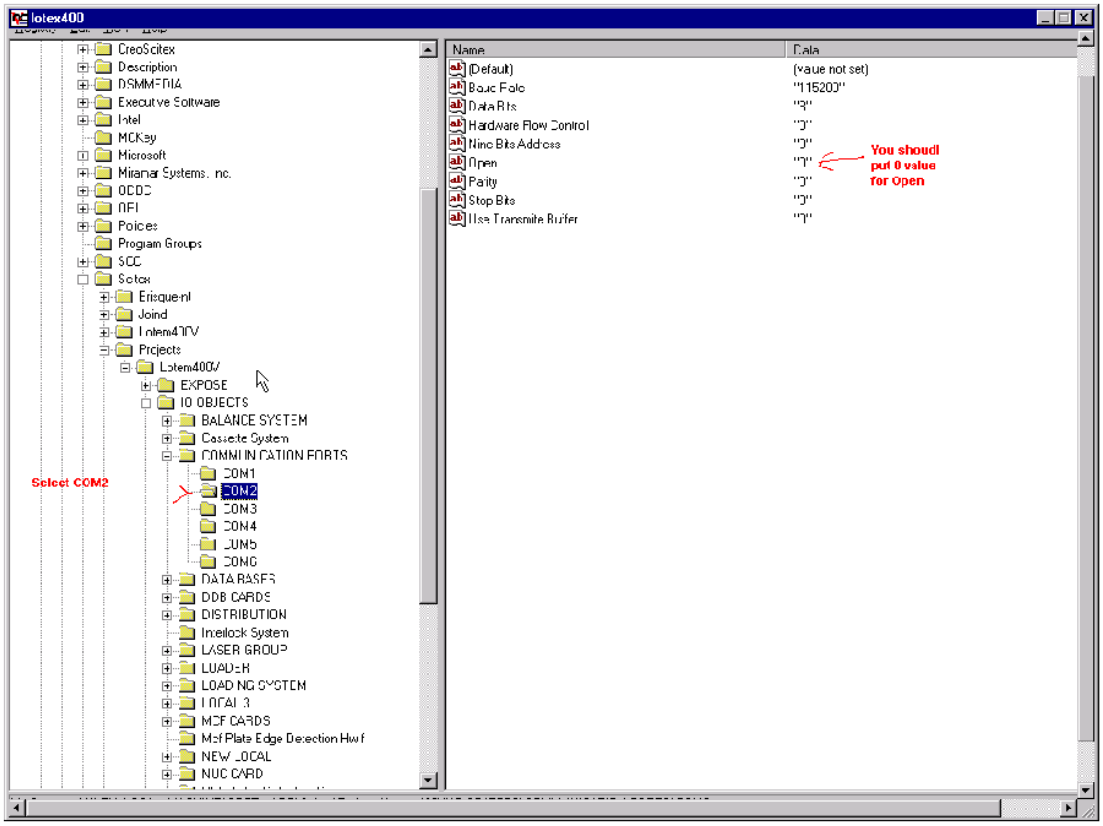
The Minimum settings for Remote Support are steps 1-3.

The remote Dial In client should enter with user: **ppp** password: **sciremote**

To enter with VNC the password is also: **sciremote**

Remote Support (con't)

(3-10)

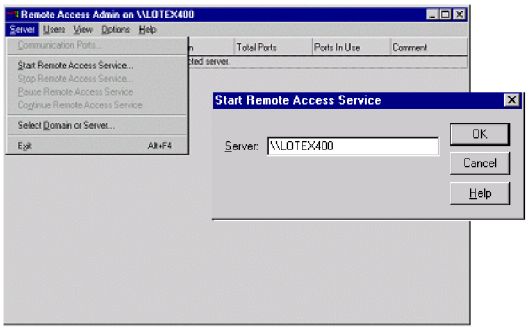


To avoid conflicts with COM2: Before you activate RAS, change the value of **open** to **0** for COM2 in the registry:

HKEY_LOCAL_MACHINE\SOFTWARE\Scitex\Projects\Lotem400V\IO OBJECTS\COMMUNICATION PORTS\COM2

Remote Support (con't)

(3-11)



1. From the **Start** menu, select **Programs - Administrative Tools (common) - Remote Access Admin**.

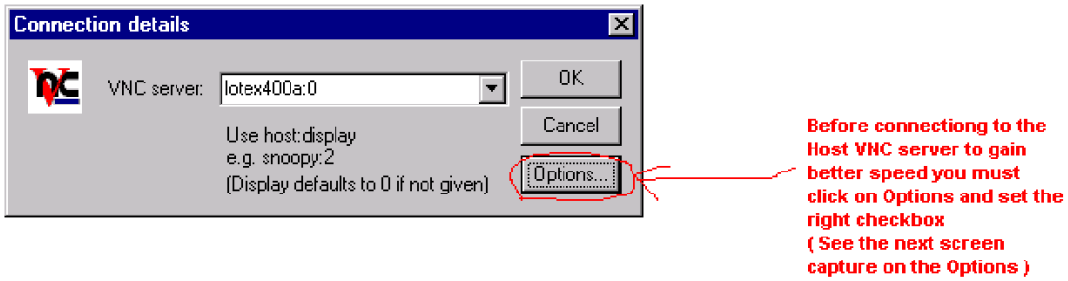
2. In the Remote Access Admin on \\ dialog box, select **Server - Start Remote Access Service…**

3. In the Start Remote Access Service dialog box, type the Lotem 400V PSM Host Name: **\\NAME**.

4. Click **OK**.

Remote Support (con't)

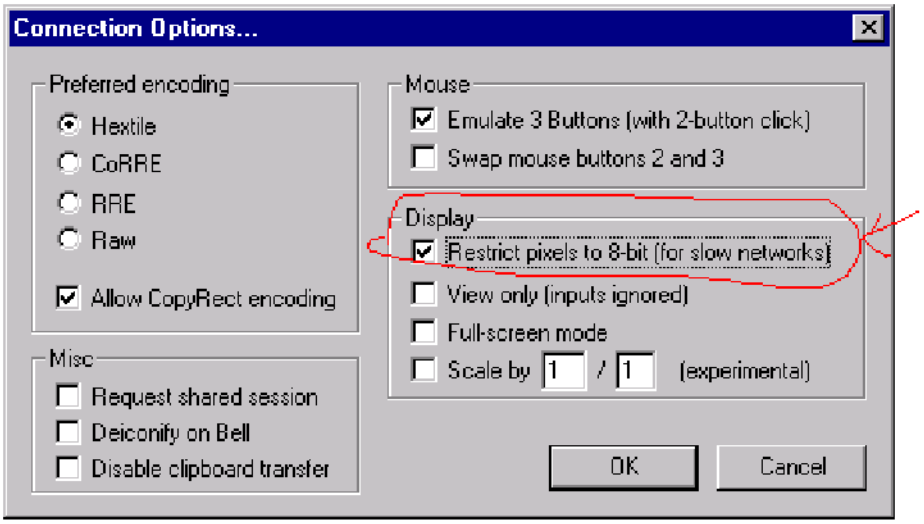
(3-12)



1. In the Connections details dialog box, click the **Options** button. Use the Option settings to improve the performance of connecting with a vncviewer via the Modem.

Remote Support (con't)

(3-13)



2. In the Connection Options dialog box, select the **Restrict pixels to 8-bit (for slow networks)** checkbox.

Network Connection and Settings

(3-14)

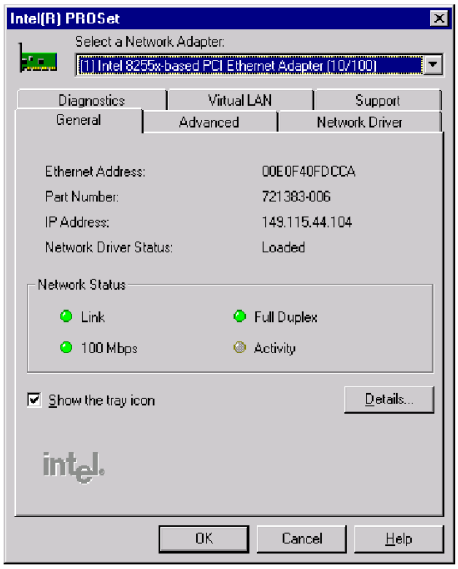


Network Adaptor Task Bar

1. On the Network adaptor taskbar icon, double-click on the icon that opens the network adapting setting window.

Network Connection and Settings (con't)

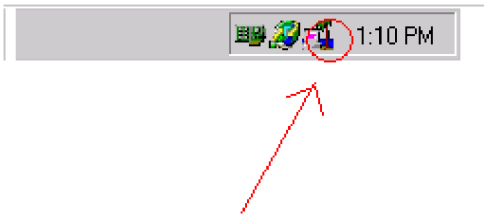
(3-15)



2. In the Intel ProSet dialog box, verify that the **Link**, **100 Mbs** and, if possible, **Full Duplex** buttons are green. Your network connection is at its maximum efficiency.

Network Connection and Settings (con't)

(3-16)

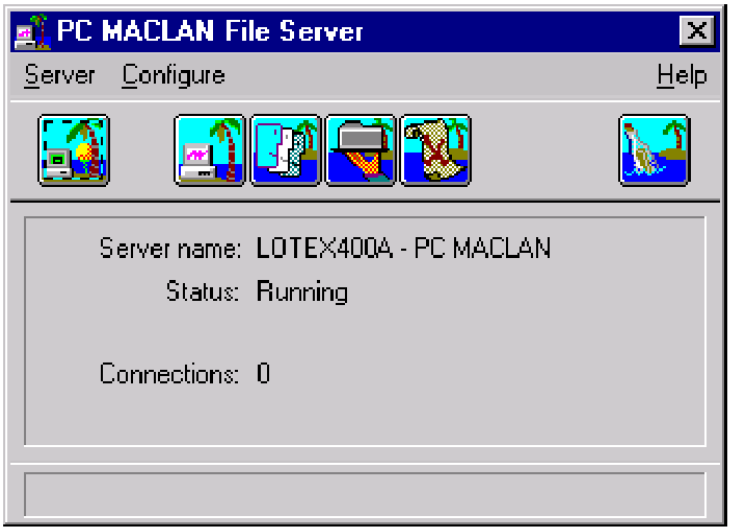


PC MacLan Taskbar

3. On the PC MacLan taskbar icon, double-click on the icon to open the PC MacLan file server window.

Network Connection and Settings (con't)

(3-17)

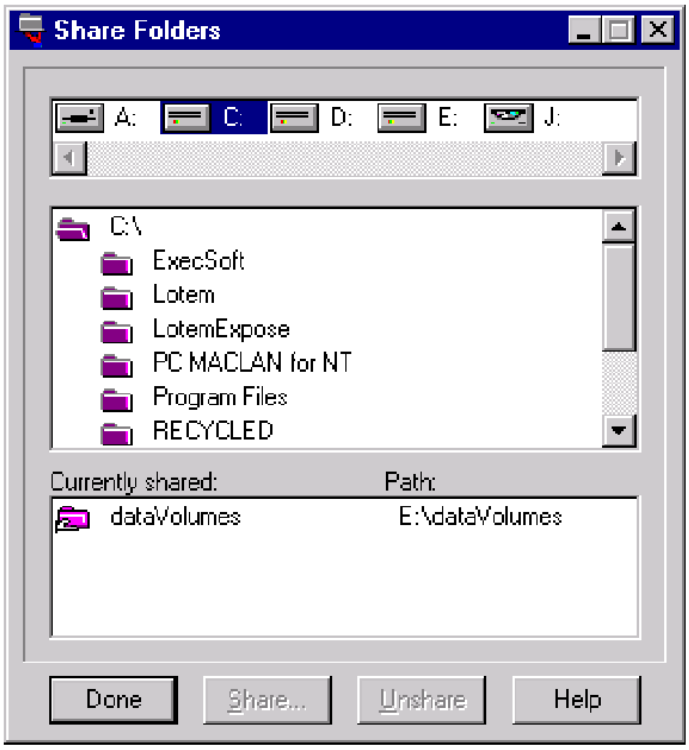


4. In the PC MALAN File Server dialog box, check that the Status is running.

5. From the **Configure** menu, select **Share folders** to open the Share Folders dialog box.

Network Connection and Settings (con't)

(3-18)



6. In the Share Folders dialog box, verify that the E:\dataVolumes is shared.
7. If not, select E drive, then dataVolumes.
8. Click the **Share** button.

Cold Start Software Installation

(3-19)

There are two procedures for installing software:

- Cold Start (usually done in production line).
- Software upgrade (when upgrading from old version to the new one).

For a cold start software installation:

1. Save parameters (database folder and Registry of Lotem 400).
2. Save Lotem Expose settings (LotemExpose → config save).
3. Write down the PC controller IP address and the PC MacLan S/N.
4. Load Lotem 400 PS/M Operating System (image) + TCP/IP setup.
5. Install PC MACLAN + Share dataVolumes.
6. Load Lotem PC controller software + Install Patches.
7. Install Lotem Expose Software + Install Lotem Expose patches.

For detailed description please refer to *the Lotem 400 PS/M Installation Guide Cat. No. 399Z1P592A* and *Lotem Expose Release Notes.*

Upgrade Software Installation

(3-20)

The PC Controller software upgrade procedure is the same for all Lotem devices.

To upgrade the Lotem Expose software:

1. Remove the Lotem Expose Application.
2. Load the new version.
3. Restore config (templates, HF,settings, etc.)

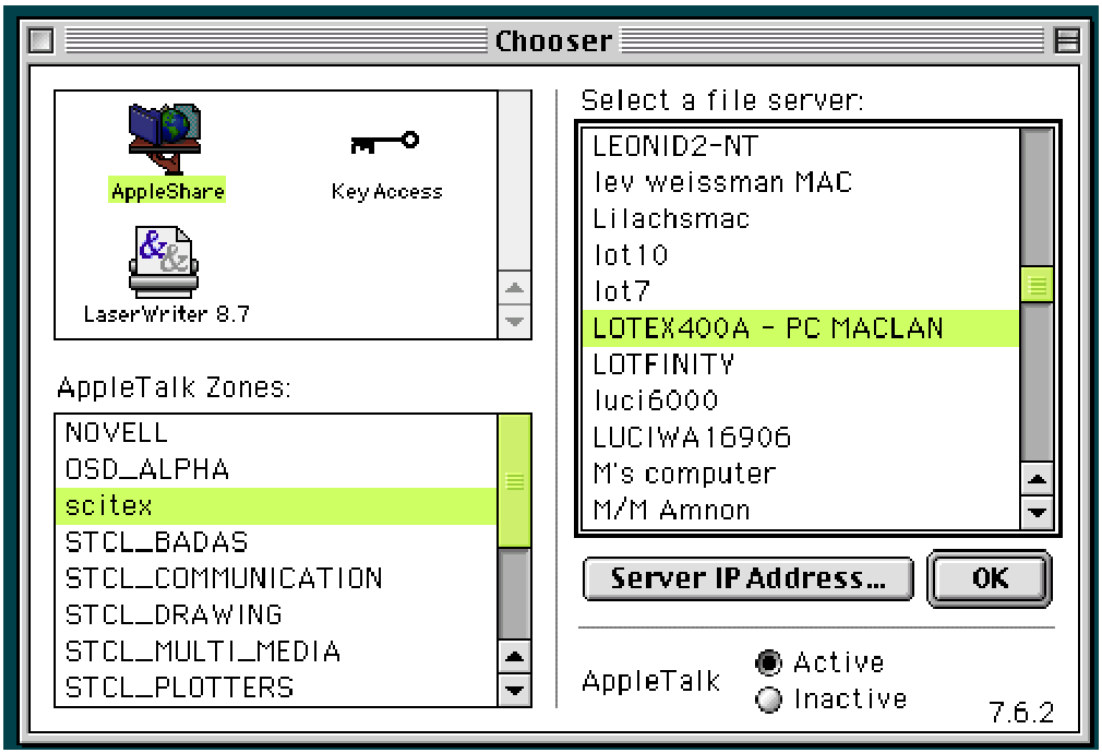
> **Note:** Restore config, ONLY if you must restore old settings.

4. Check TSP.
5. Config to the Lotem 400.

For a detailed description, please refer the *Lotem 400 PS/M Installation Guide Cat. No. 399Z1P592A.*

Mounting DataVolumes on the Macintosh Desktop

(3-21)



To mount the DataVolumes on the Macintosh desktop:

1. Open the **Chooser**.
2. Select **AppleTalk**.
3. In the **AppleTalk Zones** box, select your network.
4. In the **Select a file server** box, select Station name PC MACLAN.

Mounting DataVolumes on the Macintosh Desktop (con't)

(3-22)

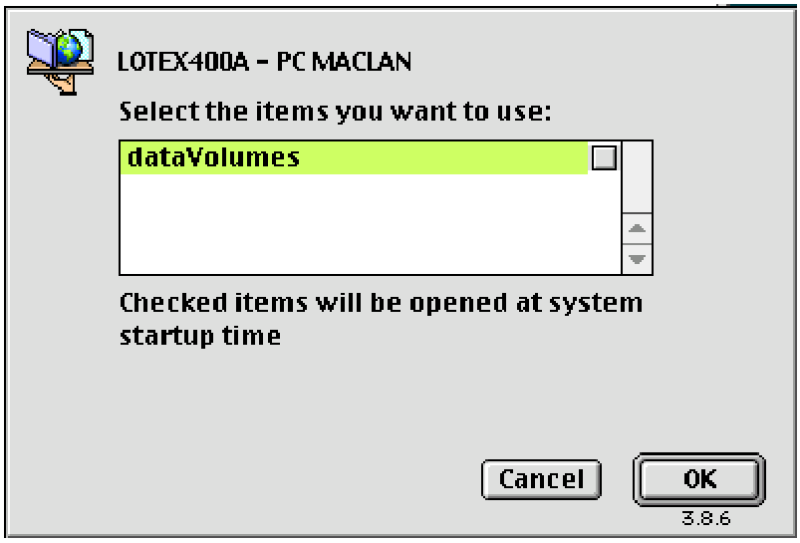


5. Select **Guest**.

6. Click **Connect**.

Mounting DataVolumes on the Macintosh Desktop (con't)

(3-23)

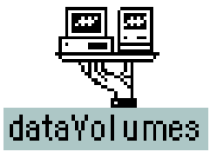


7. On the File Selection dialog box, select **DataVolumes** (or another folder that you defined) and click **OK**.

   The DataVolumes folder is now mounted on the Macintosh desktop.

Mounting DataVolumes on the Macintosh Desktop (con’t)

(3-24)



8. Open DataVolumes and verify that the Hot Folders (or other folders containing the jobs) exist in the DataVolumes folder.

Main Application Module on the Macintosh

(3-25)

PS/M Applications:

- RIP PostScript to LW, CT
- PDF to LW, CT
- FAF
- Preview
- Copy / Send to remote
- Support Scitex Job file format
- RIP to local disk or remote station

Not Supported on Macintosh

(3-26)

- Layout Assembly
- ICF translate to Imposition job
- Packaging
- Direct connectivity to Proof devices

Exercise 1

(3-27)

- Define the DataVolumes as a Shared folder
- Mount the DataVolumes on a Mac

Module Recap

(3-28)

In this Module you have learned how to:

- Install and upgrade Lotem Expose
- Configure the network and the modem
- Mount DataVolumes on the Macintosh

Module 4

Workflow

Module Objectives

(4-1)

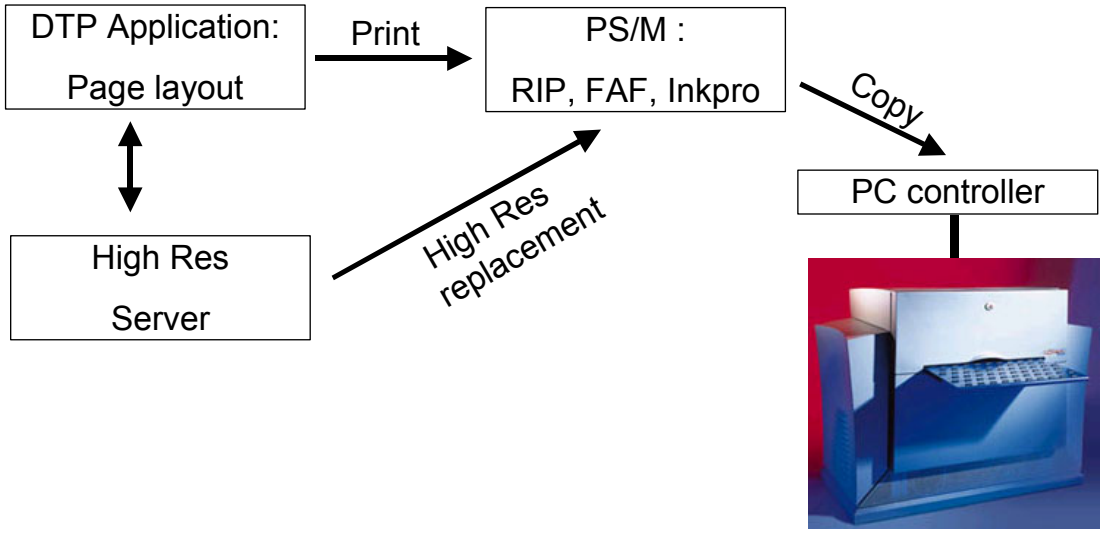
At the end of this module you will know how to:

- Run the basic workflows

Lotem 400 PS/M Basic Configuration

(4-2)

Basic configuration:



The basic configuration is as follows:

1. The Job layout is designed on the Macintosh using a DTP application, and then saved as a PS or PDF file.

2. The PS/M application opens the PS/PDF file.

3. The PS/M application RIPs the file and creates a Creo Job. Optional - use of FAF and InkPro.

4. A Hot Folder is defined by the Lotem Expose application and shared by the PC MacLan. The Hot Folder is then published on the network and viewed by the Macintosh (as a remote Hot Folder).

5. The entire DataVolumes folder of the Lotem, or selected directories, can be shared. The Job is copied into the remote Hot Folder.

6. The Job in the Hot Folder automatically enters the Online queue of the Production Manager, waiting to be exposed. Alternatively, if the Job is copied into the NewJobs folder, it automatically enters the New Jobs queue of the Production Manager. The new job indicator will flash until the Job is submitted to the Online queue.

Expose Methods

(4-3)

There are three methods by which Jobs are sent to expose:

1. The Job is automatically copied by the PS/M application into a Hot Folder that has an attached template. The template defines the expose settings.

2. Jobs are copied by the PS/M application into the NewJobs folder. Jobs in this folder automatically enter the New Jobs queue of the Production Manager.

3. Jobs that are ready for expose already exist in the PC Controller. You can access the Job via the File Manager, and then drag and drop it onto a template and define its expose settings.

Workflow A

(4-4)

Workflow A is as follows:

1. Page layout is prepared in a DTP application or a suitable graphic application, such as QuarkXPress and Photoshop. The layout is then saved as a PS or PDF file.

2. When you open the PS/M application, the Select and Messages dialog boxes display.

3. In the Select dialog box, make sure that the Destination is set to **Disk**.

4. From the **Setup** menu, select **Preferences**.

5. In the Preferences dialog box, on the **General** tab, select or clear the **Use Finder Copy** box. The use of this option depends on the specific site configuration (Creo service engineers should consult the customer).

6. Select **Queue** in the upper left corner of the Select dialog box.

7. Drag and drop the PS/PDF file (created in step 1) into the queue section of the Select dialog box, or: click **Add** in the Select dialog box to open a browser and select the PS/PDF file into the queue.

8. Click **Info** to display details of your file.

9. Click **Preview** to display a preview of your file.

10. Under the **RIP** tab of the Select dialog box, define the RIP parameters.

11. Only if you want to perform FAF after the RIP - click the **FAF** tab of the Select dialog box and define the FAF parameters.

12. Click the **Output** tab of the Select dialog box.

13. Check the **Copy** box, and then click **Set** to define the NewJobs folder as the jobs output folder.

14. From the browser that opens, select DataVolumes and then the NewJobs folder.

After RIP in the Lotem 400 PS/M application, the new job is added to the New Jobs queue of the Production Manager.

Workflow B

(4-5)

Workflow B is as follows:

1. Repeat steps 1 to 12 of workflow A, above.
2. Check **Copy** in the Select dialog box (under the Output tab).
3. Select a hot folder that resides on the DataVolumes. The new job enters the Online queue of the Production Manager (Running or Waiting). The job is exposed according to the template that is associated with the hot folder.

Workflow C

(4-6)

Workflow C is as follows:

1. In the Select dialog box, select **Hot Folder** in the upper left corner.
2. Drag and drop a folder from the Macintosh desktop into the queue area of the Select dialog box.
3. Set the RIP parameters, as in workflow A.
4. Set the FAF parameters, as in workflow A.
5. Check the **Copy** box in the Select dialog box under the Output tab. In the browser that opens, select the destination folder.

All the above settings are now saved in the PS/M hot folder. When you drag and drop a job into the hot folder, all operations defined in the hot folder are performed on the job. However, the **Hot Folder** option of the PS/M Select dialog box does not enable Preview, which is available when using the **Queue** option. You can also save the original page layout directly into the hot folder.

The PS or PDF file is then automatically created as well.

Workflow D

(4-7)

Workflow D is as follows:

1. Repeat steps 1 to 11 of workflow A.
2. Drag the job to the PS/M Queue and Preview it.
3. After previewing the job, drag and drop the job folder to the New Jobs folder on DataVolumes. The new job is added to the NewJobs queue of the Production Manager.

Module Recap

(4-8)

In this Module you have learned how to:

- Run the basic workflows

Module 5

Overview of Lotem Expose Application

Module Objectives

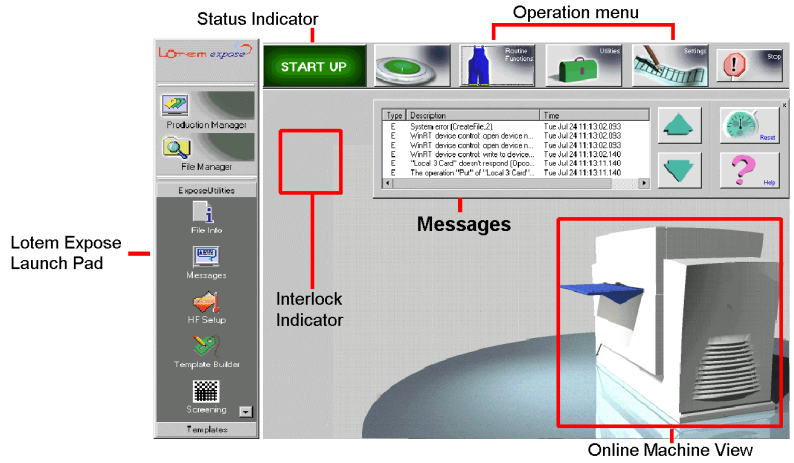
(5-1)

At the end of this module you will be familiar with:

- The Lotem 400 PS/M user interface
- The Lotem Expose user interface
    - Production manager
    - File manager
    - Expose utilities
    - Hot Folders
    - Templates
- How to define the Plate Expose parameters

Lotem Expose and PC Controller User Interface

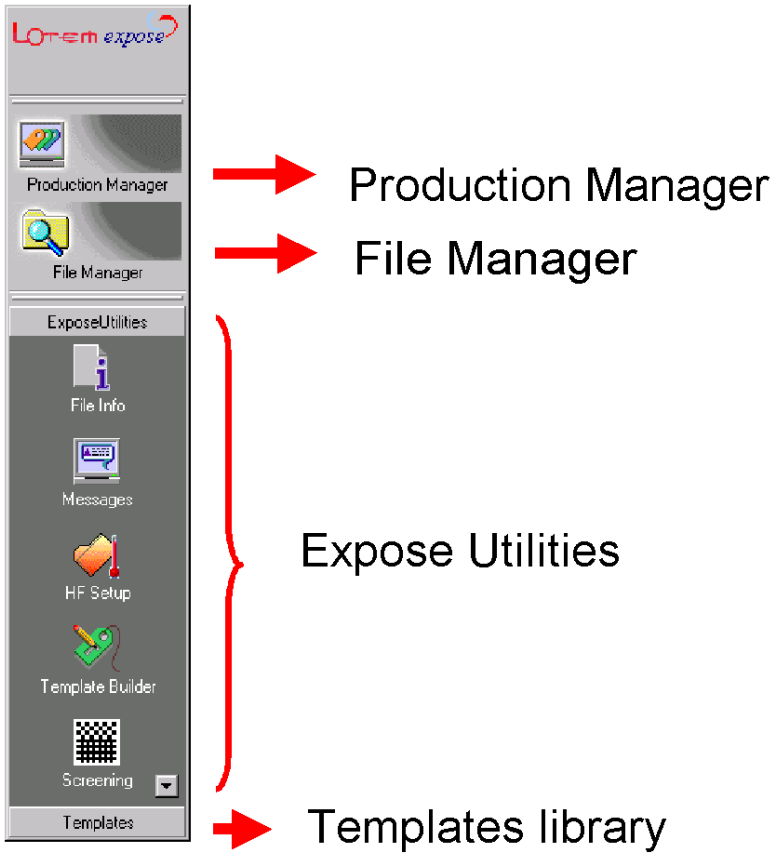
(5-2)



See *Chapter 3 - Lotem Controller and Lotem Expose User Interface in the Lotem 400 PS/M User Guide (version 1)* for more information on the Lotem Expose and PC Controller User Interface.

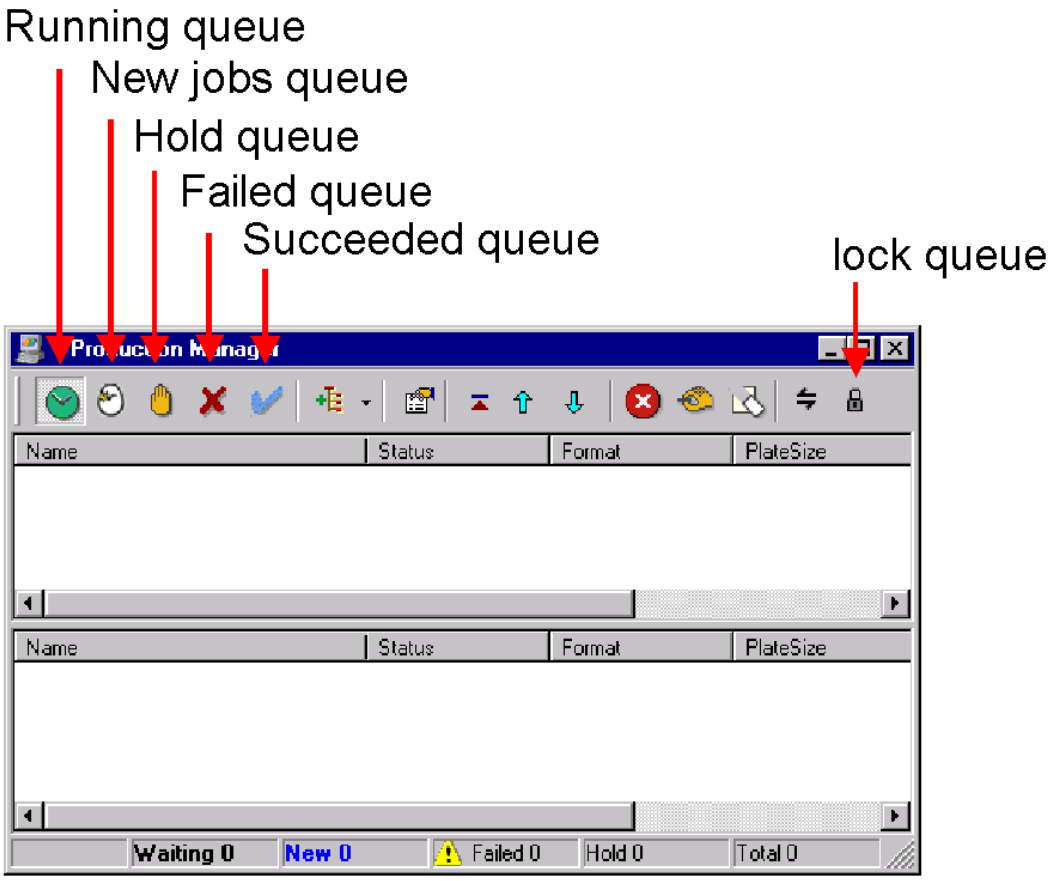
Lotem Expose UI

(5-3)



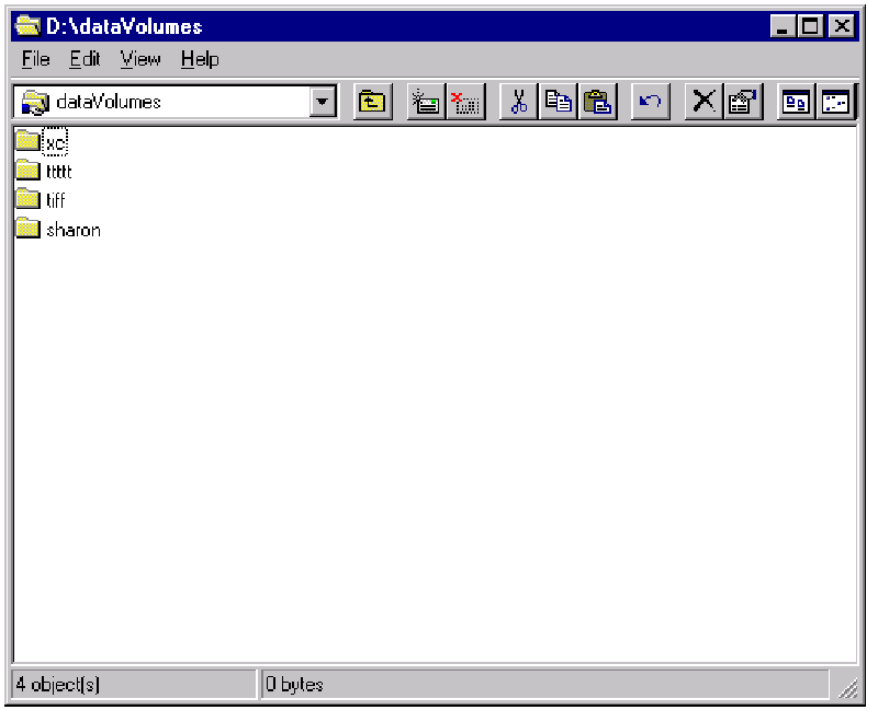
Production Manager

(5-4)



File Manager

(5-5)



Expose Utilities

(5-6)

Most of the Expose Utilities applications are taken from the Brisque as is.

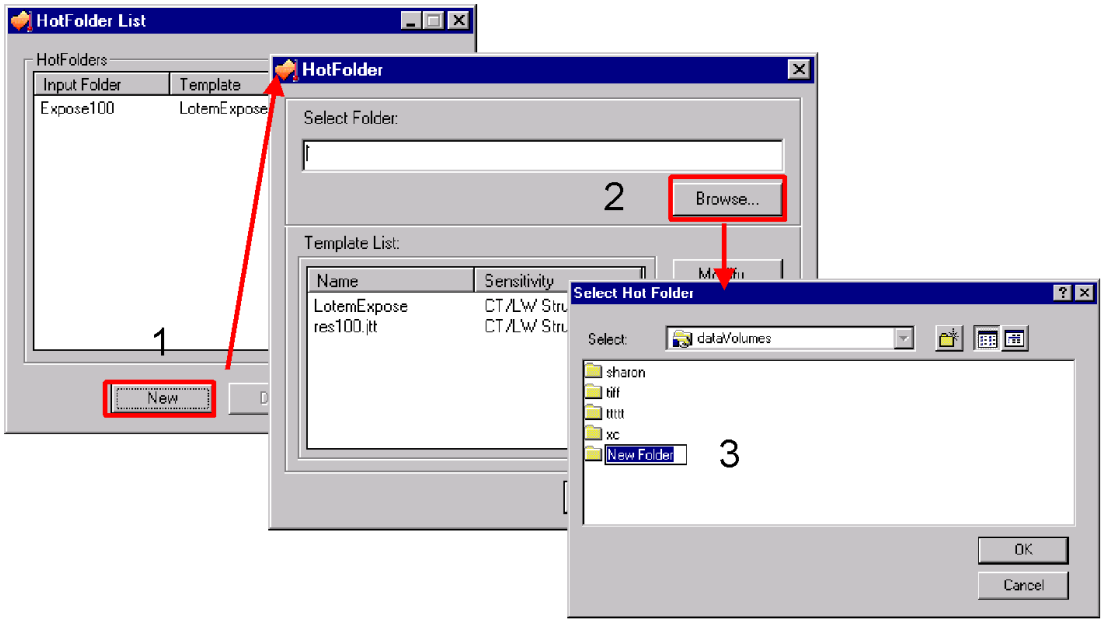
That is:

- File info
- Messages
- Screening
- Press format
- Excurve
- Create file
- Tone rep
- Preferences
- Lotem calibration

Operating these applications is the same as in the Brisque.

Hot Folder Setup

(5-7 to 5-9)



1. Click the **Hot Folder** icon in the Expose Utilities pad to open the HotFolder List window.

2. Open the Hot Folder Setup list and click **New**.

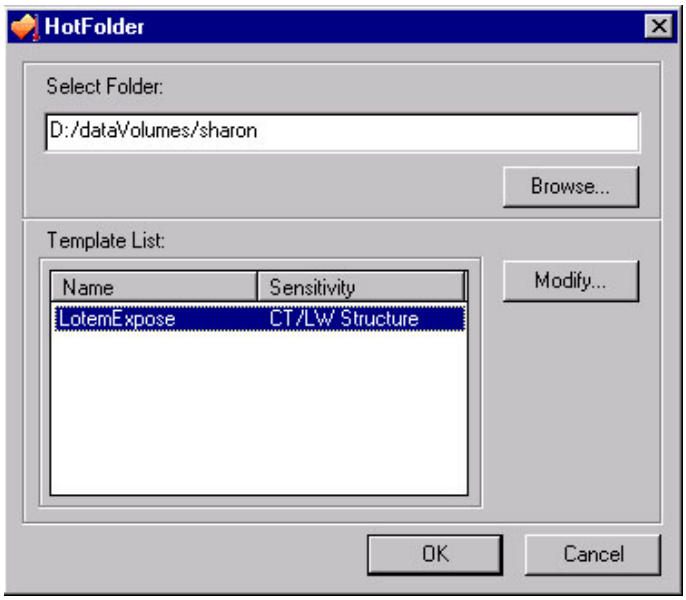
   The Hot Folder dialog box appears.

3. Click the **Browse** button to open the Select Hot Folder dialog box.

4. Create a new folder.

5. Click **OK**.

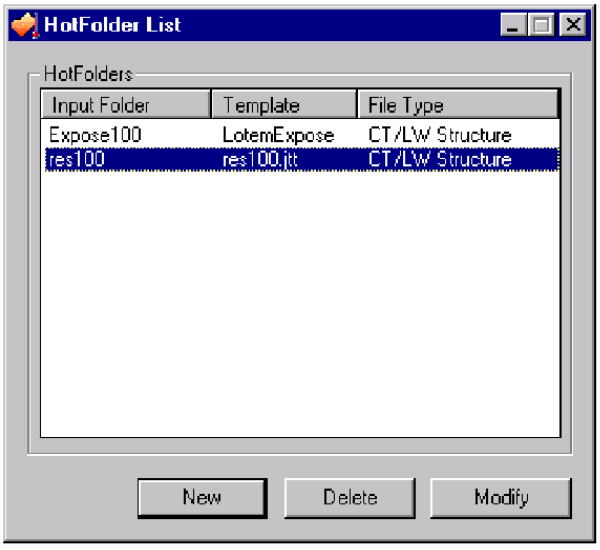
6. The New Folder's path and name display in the Select Folder box in the Hot Folder dialog box.



7. Select a template from the Templates list.

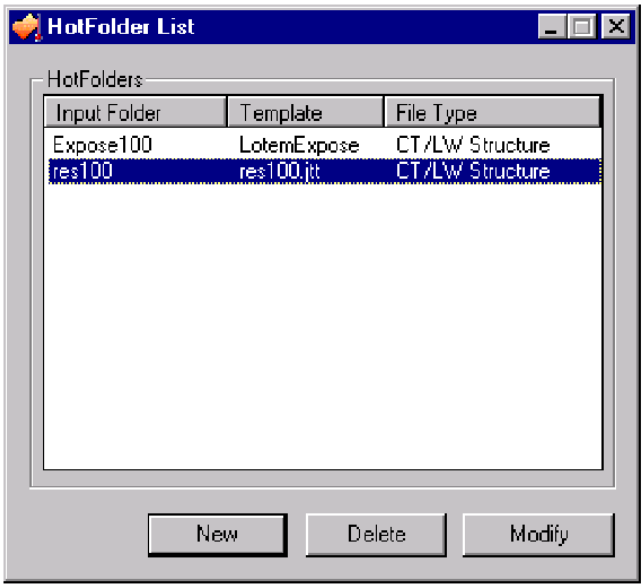
8. Click **OK**.

The new Hot Folder displays in the Hot Folder list.



Modifying a Hot Folder

(5-10)



1. In the Hot Folder List dialog box, select a hot folder and click the **Modify** button.

2. The Hot Folder dialog box appears. Modify the parameters as required.

To delete a Hot Folder, in the Hot Folder List dialog box, select a hot folder and click the Delete button.

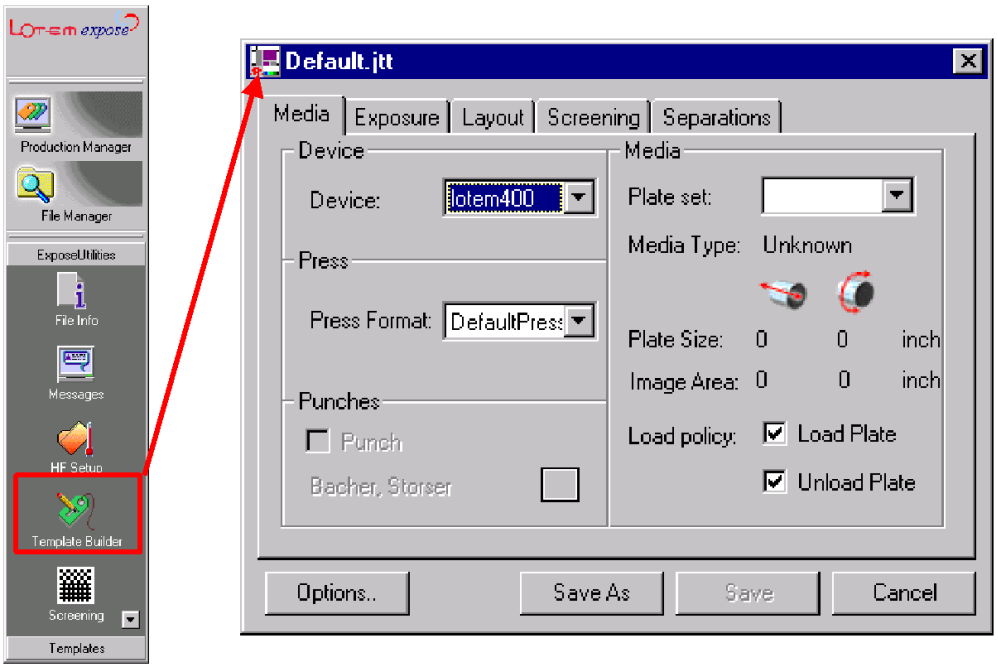
Exercise 2

(5-11)

1. Create a new Hot Folder named “Res100”.
2. Attach a template named “res 100”.
3. Modify the name to “Modified”.
4. Delete the modified Hot Folder.

Creating a New Template

(5-12)



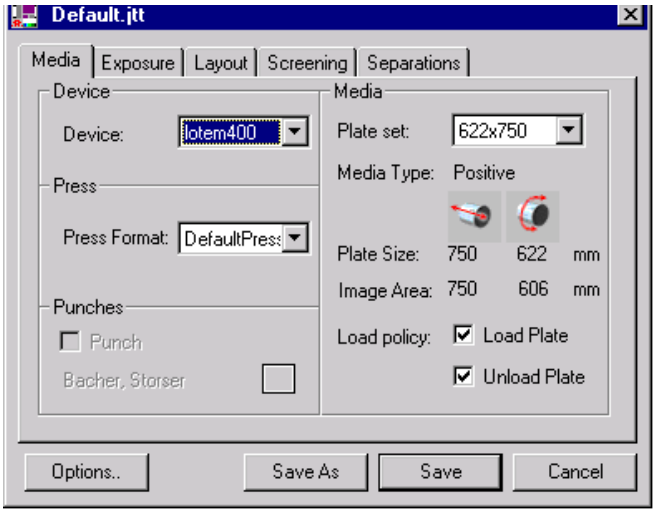
You create new templates based on the Default.jtt template.

1. Click the **Template Builder** icon to open the Default.jtt template.
2. Modify the Default.jtt template parameters.
3. Click **Save As** to create and save new template.

Note: You can modify the Default.jtt template through the Plate Expose window opened by double-clicking the **PlateExp** icon in the Template panel, modifying the parameters, and clicking **Save**.

Plate Expose Window – Media Tab

(5-13)

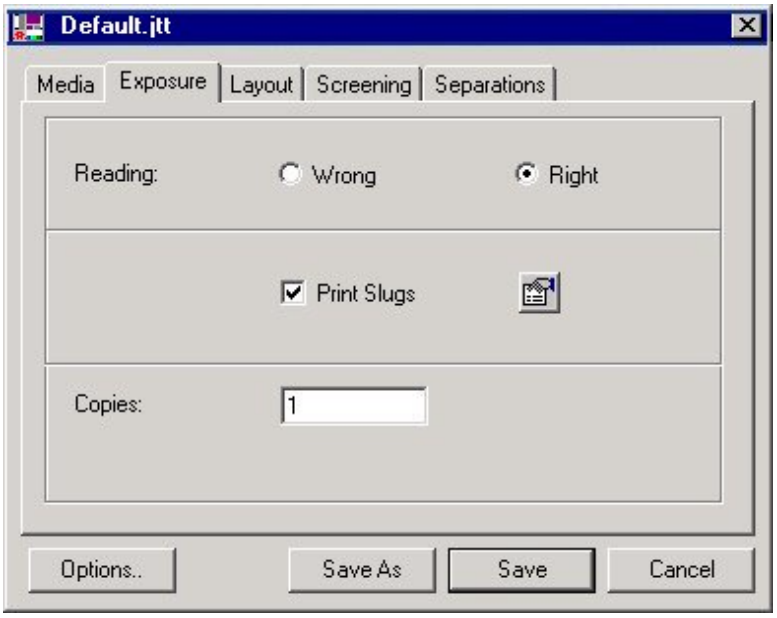


1. In the Device box, make sure the listed Device is **Lotem 400**.
2. In the **Press Format** box, select the relevant **Press Format**.
3. In the Plate set box, make sure the selected plate set is the correct one.
4. Set the plate parameters, media type and plate size.
5. Define the **Unload policy**:
    - Select **Load** to automatically load a new plate before exposure.
    - Clear **Load** not to load a new plate before exposure.
    - Select **Unload** to automatically unload the plate after exposure.
    - Clear **Unload** to manually unload the plate after exposure. This enables reusing the plate for other exposures.
6. Click **Save** to save settings. You can now continue to other expose parameters.

Punches are not relevant for the Lotem 400 platesetter.

Plate Expose Window – Exposure Tab

(5-14)



1. The **Reading** box defines the geometry of the plate exposure. Select **Right** to leave the layout as it was prepared, or **Wrong** to horizontally flip the entire Layout.

2. Select **Print Slugs** to print slugs on the exposed plate and click the icon to the right of it.

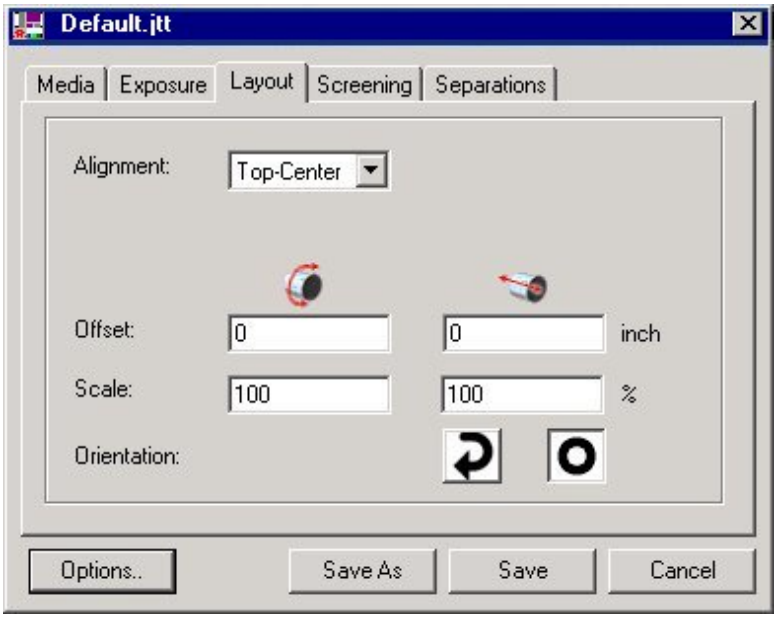
3. Define the slug parameters in the dialog box that opens. Slugs are printed within the plate head margin, and include Time & Date, Job name, Separation name, Flat name, and Screen Set name.

4. In the **Copies** box, type in the number of Copies. That is, the number of times each exposure is output. You can enter up to 10 copies.

5. Click the other tabs to access additional parameters, as shown below.

Plate Expose Window – Layout Tab

(5-15)



1. In the **Alignment** box, select the alignment – Top-Left or Top-Center.

2. In the **Offset** box, type in the offset values, which define the [0,0] offset reference point on the plate. The first value, under the height icon, sets the height offset. The second value, under the width icon, sets the width offset.

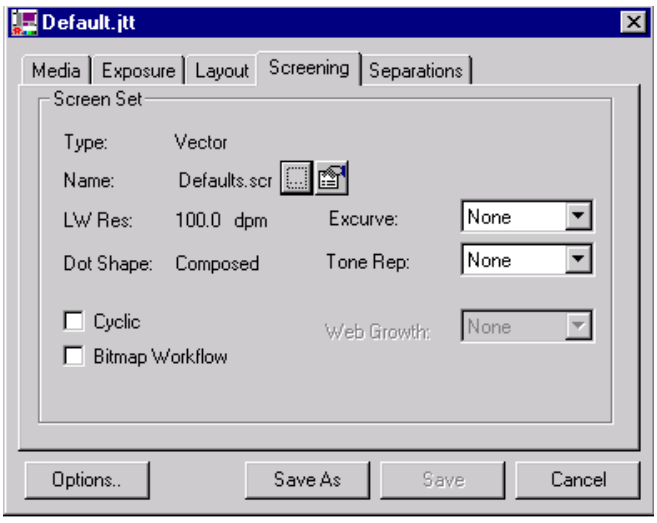
3. In the **Scale** box, type in the scale values to increase or decrease the exposure size of each layout. The Scale range is 95-105%; the default is 100% (no scaling). The first value, under the height icon, sets the height scale. The second value, under the width icon, sets the width scale.

4. Click one of the **Orientation** icons to define the orientation of the exposed image on the plate. Options are no rotation or 180° rotation (flip the image).

5. Click the other tabs to access additional parameters, as shown below.

Plate Expose Window – Screening Tab

(5-16)



1. Click the **…** button next to the screen set name to select a different screen set. The Screen Set List dialog box opens allowing you to select a new screen set.

2. The **Excurve** box displays the name of the selected Excurve. You can select another Excurve from the box.

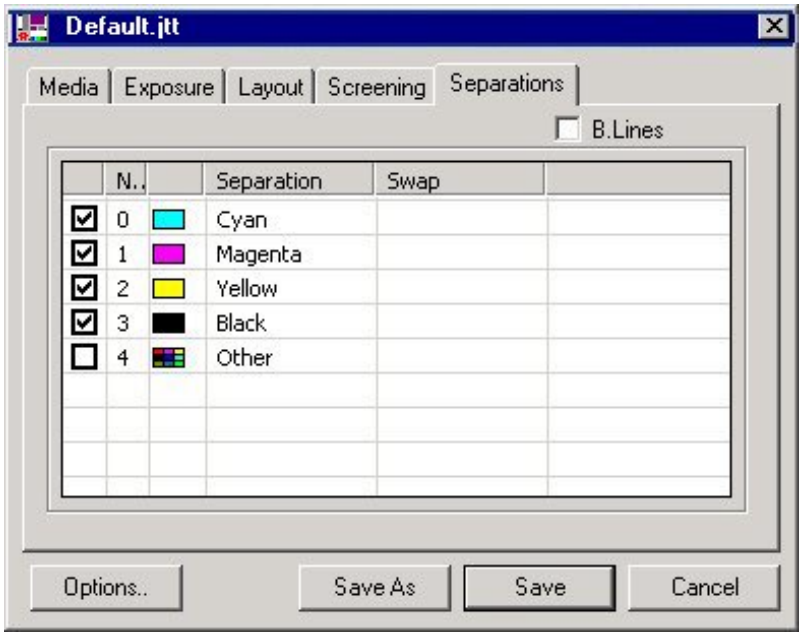
3. The **Tone Rep** box displays the name of the selected Tone Reproduction. You can select another Tone Reproduction from the box.

4. Select **Bitmap Workflow** if the file to be exposed is a TIFF or BMP. In this case, the file already has a screen setting. (The screening **Excurve** and **Tone Rep** options in the dialog box become unavailable.)

5. Click the other tabs to access additional parameters, as shown below.

Plate Expose Window – Separations Tab

(5-17)



1. To create a proof, where all separations are merged and exposed on one plate, check **B.Lines**. Otherwise continue to step 2.

2. Check the separation(s) you want to expose.

3. Check the **Other** box if you are editing the expose settings for a template and not a specific Job. In this case, your setting will apply to all spot colors in the template.

4. To **swap** the screening setting of a separation with another separation, select the first separation and click under the **Swap** column.

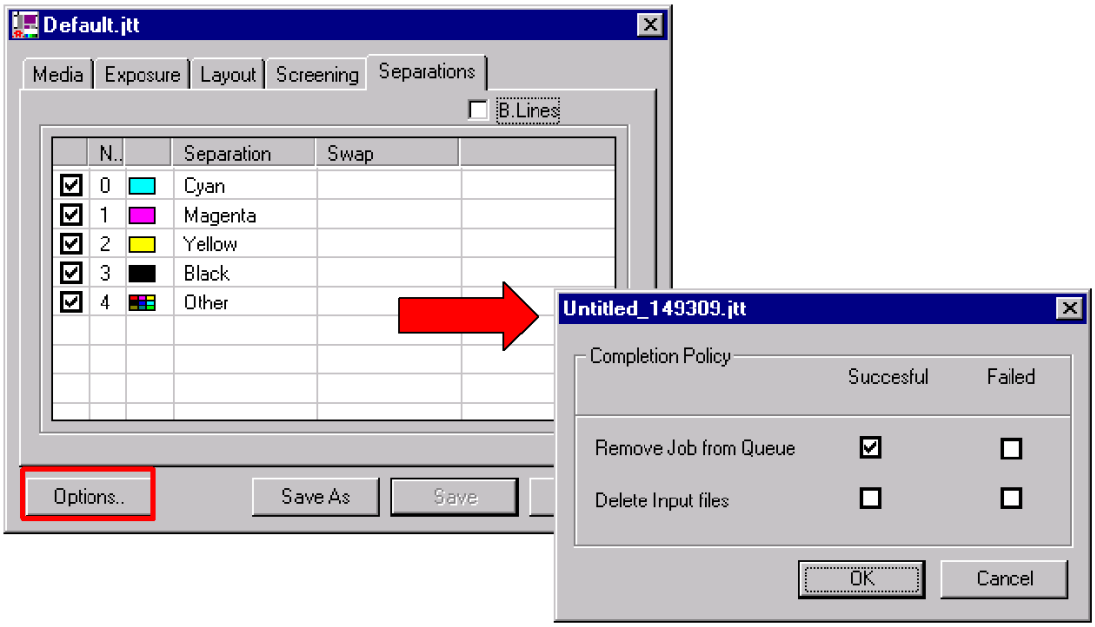
5. From the **Swap** list that displays, select the separation that you want to swap the first separation with.

6. To cancel the swap, select a separation, click under the **Swap** column**,** and then select the selected separation from the list.

Please note that the name of the first separation now displays next to the swapped separation.

Setting the Template Job's Completion Policy

(5-18)



To change the Completion policy:

1. Click the **Options** button.

   The Completion policy dialog box appears.

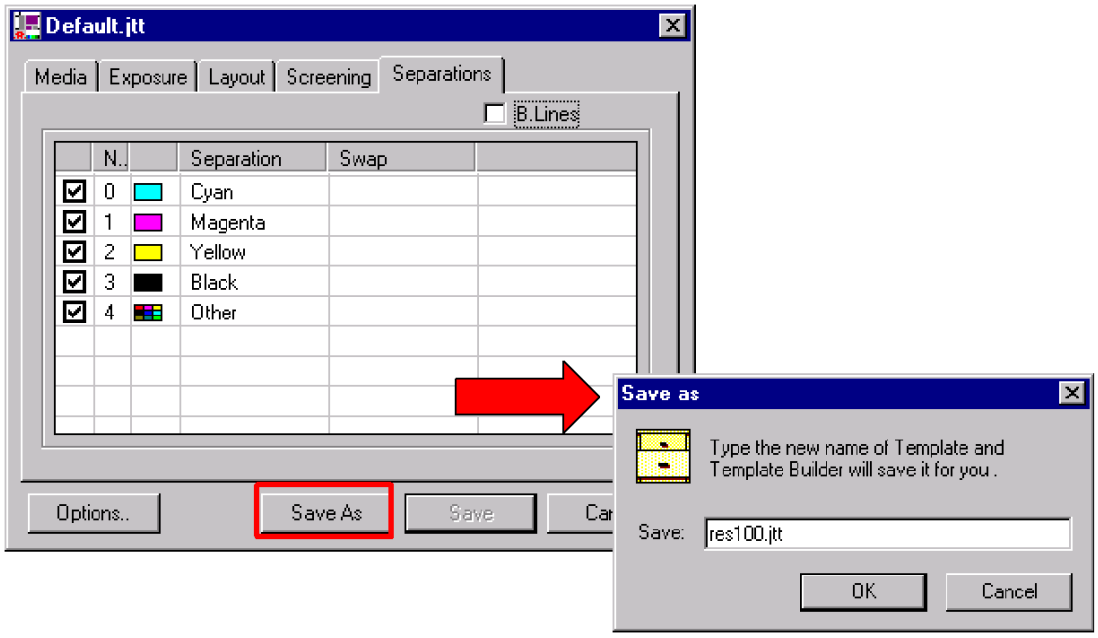
2. Set the completion policy as follows:

   - If you want successfully completed jobs to be automatically removed from the queue select the **Remove Job from Queue Successful** check box.
   - If you want failed jobs to be automatically removed from the queue select the **Remove Job from Queue Failed** check box.
   - If you want to have successfully completed jobs deleted select the **Delete Input files Successful** check box.
   - If you want to have successfully completed jobs deleted select the **Delete Input files Failed** check box.

3. Click **OK**.

Saving Templates

(5-19)

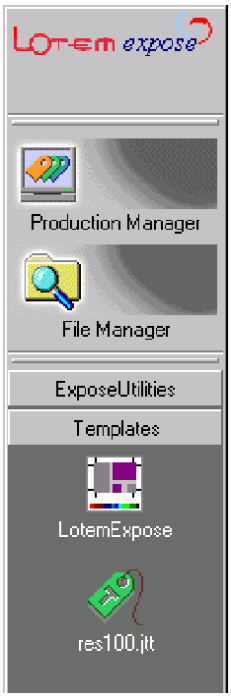


To save the new template:

1. Click the **Save As** button.
2. In the **Save** box, type the new template name.
3. Click **OK**.

Storage of New Templates

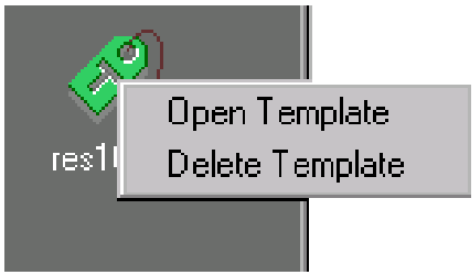
(5-20)



The new template displays automatically under the templates library.

Opening or Deleting Templates

(5-21)



To open, modify, or delete the template, right-click the template icon and select a command from the shortcut menu that displays.

Exercise 3

(5-22)

1. Template name should be “Res80”.
2. Attached screen set should be “Vc150r8c”.
3. Define completion policy as failed (both).
4. Modify the new template (change its name).
5. Delete the modified template.

Exercise 4 - Perform Workflows A-D

(5-23)

Perform Workflows A-D.

Page layout is prepared in a DTP or graphics application (such as QuarkXPress, Photoshop, Illustrator, FreeHand, etc.). The layout is then saved as a Postscript or PDF file.

Workflow A

1. Create a new folder on your desktop and name it “Training”. Copy the folder “PS/M Ver.7.0 Exercises” in the “PS/M V.7.0 Student” CD to your training folder.

2. Create a new folder in your Training folder and name it “Exercises Output”, you will later designate this folder as PS/M’s **Output Folder**.

3. Start PS/M 7.0. The **Select** and **Messages** windows appear.

4. In the **Select** window, make sure that the **Destination** is set to **Disk**.

5. In the **Select** window, next to the **Output** folder, click the **Select** button. In the Browser that opens, choose the folder you created, **Exercises Output**.

6. From the **Setup** menu, choose **Save As Defaults**. This will ensure that the destination remains the same for every file dropped into the Queue.

7. The files **EX-9A.ps**, **EX-9B.ps** and **EX-16.ps** contain low resolution pointers to Hi-Res files. For PS/M to access those files, which reside in the **HiRes files** folder on the student training CD, you have to define a Hi-Res folder within PS/M:

   a. From the **Setup** menu, choose High Res Image Folders.

   b. Choose either the HiRes files folder or any folder hierarchically higher in the same path and select the **Done** button.

8. In the upper left corner of the **Select** window, from the popup menu, choose **Queue** (the other option is **Hot Folders**).

9. Drag and drop the file **guitar.eps** (from the PS/M Ver.7.0 Exercises folder) into the queue section of the **Select** window, or click **Add** in the **Select** window to open a browser and select the PS or PDF file into the queue.

10. Click **Info** to display details of the file.

11. Click **Preview** to preview your file before processing.

12. Under the **RIP** tab of the **Select** window, define the RIP parameters.

    a. Set LW Resolution to 100.

13. If you wish to perform FAF after RIP, click the FAF tab of the Select window, click on **Run FAF** and set **Frame Thickness** to 0.1.

14. Click the Output tab of the Select window and check the Copy option. In the file browser that opens, select DataVolumes and then the NewJobs folder.

15. After RIP in the PS/M application, the new job is added to the NewJobs queue of the Production Manager.

Workflow B

1. Repeat steps 1 to 13 of workflow A above.

2. Click the **Output** tab of the **Select** window and check the **Copy** option. In the file browser that opens, select a Hot folder that resides on the DataVolumes. The job will be copied to that hot folder and will enter the Production Manager queue (Running or Waiting). The job will expose according to the template that is associated with the Hot Folder.

Workflow C

1. In the **Select** window, select **Hot Folder** from the popup menu in the upper left corner.
2. On your desktop create a new folder and name it Training Hot Folder.
3. Drag the folder to the queue list when **Hot Folders** is active.
4. Set the **RIP** and **FAF** parameters as in workflow A.
5. Check the **Copy** option in the **Select** window under the **Output** tab. In the browser that opens, select the destination folder.
6. All the above settings are now saved for your hot folder. When you drag a PS or PDF file to this folder, it will automatically enter the File Queue and all the hot folder parameters will be applied to this file.
    a. You can also save a PS/PDF file directly into the hot folder.
    b. If you wish to perform a **Preview** before allowing the file to be processed you need to do the following:
        I. Select the **General** tab from the **Preferences** command (under the **Setup** menu).
        II. Select the **Hold Before Process** box. This will temporarily suspend any operation on files that enter the queue.
        III. After the file appears in the queue, preview it.
        IV. When you are ready to continue the automatic process, click the **Hold** icon next to the file name in the queue and PS/M continues processing the file according to your hot folder settings.

Workflow D

1. Repeat steps 1 to 13 of workflow A above.
2. Open the “Exercises Output” folder and locate the job(s) that were created. Drag the job to the PS/M Queue and Preview it.

Note: Alternatively, you can preview the job's pages by dragging them over the PressTouch application (this will also allow zooming in on the job).

3. After previewing the job, drag-and-drop the job folder to the New Jobs folder on DataVolumes. The new job is added to the NewJobs queue of the Production Manager.

Module Recap

(5-24)

In this Module you have learned:

- The Lotem 400 PS/M user interface
- The Lotem Expose user interface
    - Production manager
    - File manager
    - Expose utilities
    - Hot Folders
    - Templates
- How to define the Plate Expose parameters

Module 6

Lotem 400 PS/M Troubleshooting

Module Objectives

(6-1)

At the end of this module you will be familiar with basic troubleshooting procedures for:

- Operating system problems
- System errors
- Disk Errors
- Network problems
- Version installation problems

Operating System

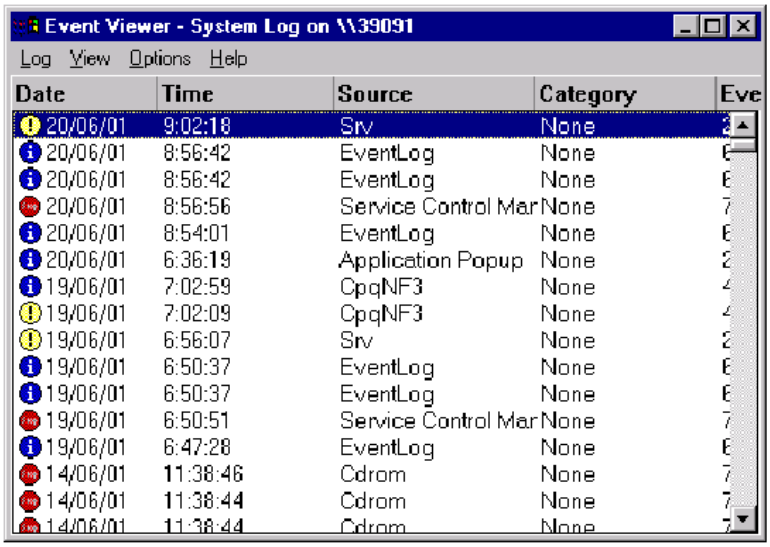
(6-2)

Operating system problems: for example:

- E drive doesn't exist.

To identify the problem:

1. Open the Event Viewer:
2. Start- programs- administrative tools- event viewer.



Lotem Expose and PC Controller

(6-3)

Lotem Expose and PC controller problems, for example:

- System error, expose stuck (progress indicator doesn't move) and Production manager doesn't respond.

Solution:

1. Exit Lotem Expose.
2. Shut down PC Controller.
3. Reset TSP.
4. Open the Task Manager.
5. Select and end the task that doesn't respond.
6. Log off and Log on to Windows NT.
7. If none of the above solves the problem, Reboot.
8. Shutdown the Lotem PC and the Lotem 400.

Disk

(6-4)

Disk problems: for example:

- Disk E doesn't exist under My Computer.
- Disk error (Check in the event viewer).
- DataVolumes is under D, E drive size < D size.

Solution:

1. Enter SCSI utility during boot and "Verify disk".
2. Select the Disk in My Computer, right-click → properties → tools → Error checking - check now.
3. Select 2 check boxes and restart.

For Data Volumes:

- See the Lotem 400 Installation Guide- Appendix C: Defining disk drive E Changing disk assignment.

Network

(6-5)

Network problems: for example:

- You can’t see the Lotem PC from the Mac.

On the PC open the PC MacLan icon and verify the status is running.

Another option: open the Network icon and verify that it is green. If not, verify TCP/IP setup and Network setup.

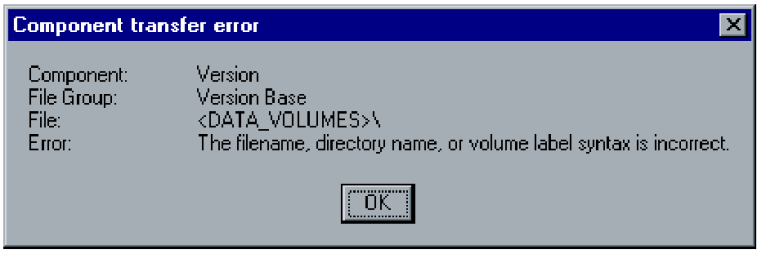
- You can see the PC, but you can’t see the DataVolumes.

On the PC open the PC MacLan icon, the file server and verify that the DataVolumes is shared.

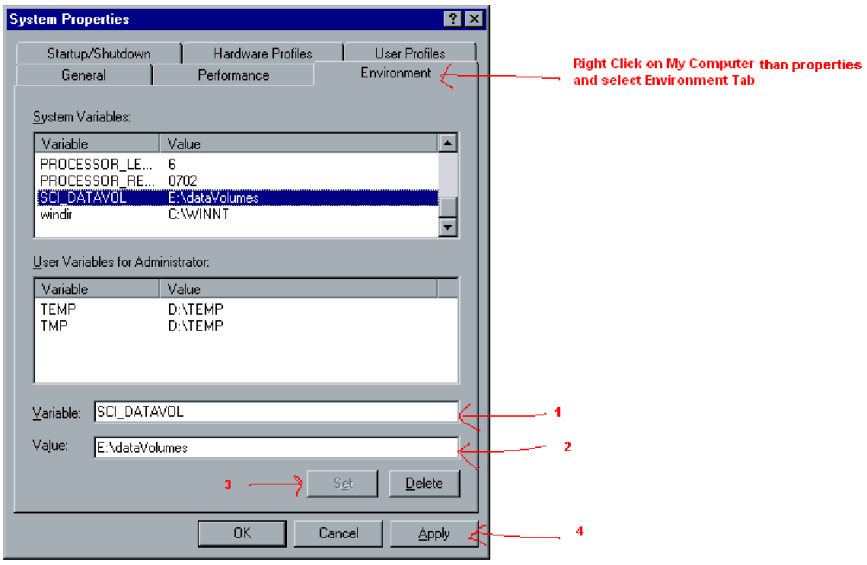
Version Installation

(6-6 to 6-7)

If the following error appears when loading a Lotem Expose version:



- Right-click on My Computer → Properties → Environment → Define new variable.



Module Recap

(6-8)

In this Module you have learned:

- Basic Troubleshooting

Course Recap

In this Course you have learned:

- The principles behind Lotem 400 PS/M
- The differences between the Lotem 400 and the Lotem 400 PS/M.
- The Lotem 400 PS/M end-user workflow:
    - A basic overview of the Lotem Expose
    - How to use the different expose utilities
    - How to define hot folders and templates
- Defining and sending a job from the PS/M DFE
    - Workflows A-D
- Basic Troubleshooting