Installation Guide

English

Brisque 6F1 Platform

version **4.0**

339Z1R166B

www.creo.com

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4743091	5291273	5459505	5625766	5854883	6014471	6159659
4992864	5296935	5473733	5636330	5861904	6016752	6164637
5049901	5313278	5481379	5649220	5861992	6031932	6180325
5079721	5323248	5488906	5650076	5864651	6043865	6181362
5103407	5325217	5497252	5652804	5875288	6060208	6181439
5111308	5331439	5508828	5691823	5894342	6063528	6186068
5113249	5333064	5509561	5691828	5900981	6063546	6189452
5122871	5339176	5517359	5696393	5934196	6072518	6191882
5124547	5343059	5519852	5699174	5942137	6090529	6204874
5132723	5355446	5526143	5699740	5946426	6096461	6208369
5150225	5359451	5532728	5708736	5947028	6098544	6252522
5153769	5359458	5561691	5713287	5958647	6107011	6260482
5155782	5367360	5568595	5739819	5966504	6112663	
5157516	5367388	5576754	5742743	5969872	6115056	
5208818	5384648	5579115	5764381	5973801	6121996	
5208888	5384899	5592309	5771794	5986819	6130702	
5247174	5412491	5594556	5785309	5995475	6134393	

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1.1 Site Survey

The Creo Brisque is a RIP and Output DFE (Digital Front End), designed to be integrated into the PostScript and DTP production environments (such as in service bureaus , trade shops and commercial printers) and to provide pre-output and output services.

The installation must be planned in advance if possible. In order to accomplish a smooth, easy and "painless" installation - a methodical, planned and serious site survey must be conducted a few weeks prior to the installation.

The site survey should be done by an experienced application specialist with a wide knowledge of work flows and a good understanding of networking.

During the site survey, the following details must be observed and checked:

Networks

- Different protocols running on the networks - AppleTalk, TCP/IP.
- What type of network cables are in use or to be used (10/100BaseT etc.).

Macintosh computers

- Number of Macintosh computers that are to connect to the Brisque
- O/S 8.5 or higher

Work Flows

- Current general work flow.

Output devices

- Output devices (Manufacturer, model, s/w version, network interface).

Routers / Bridges / Hubs

- Are there any?
- Exact model and vendor.

Remote Support Telephone Line

- Is there a dedicated phone line for the remote support modem?

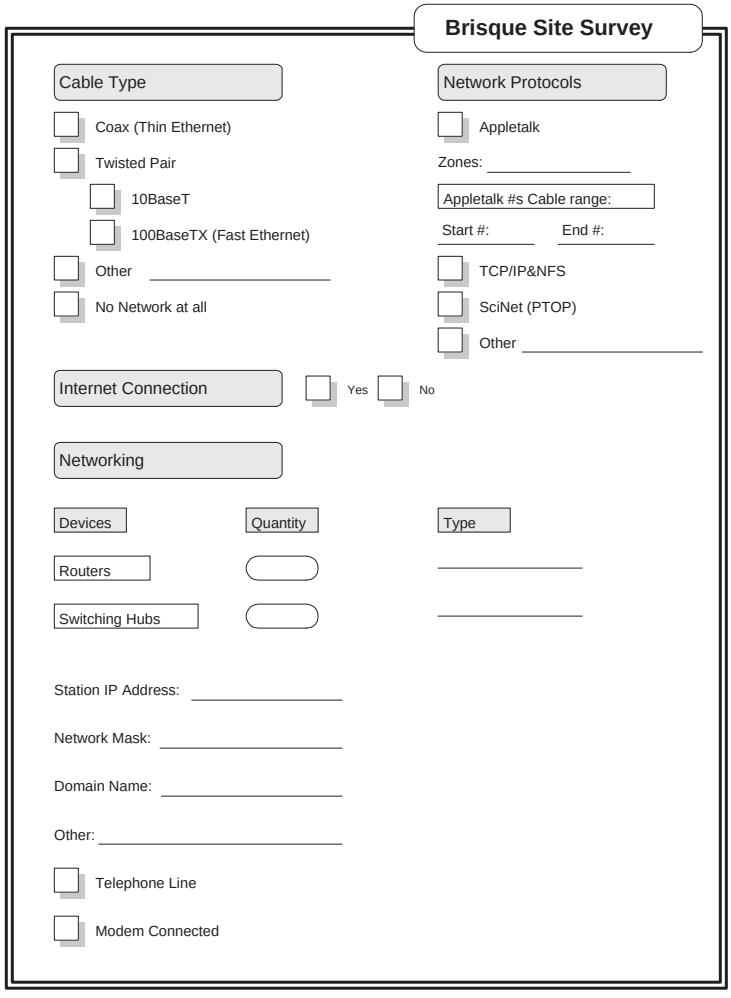
1.1.1 Site Survey Sample Form

The following two pages are a SAMPLE of a suggested check list. This form will help the person performing the site survey task.

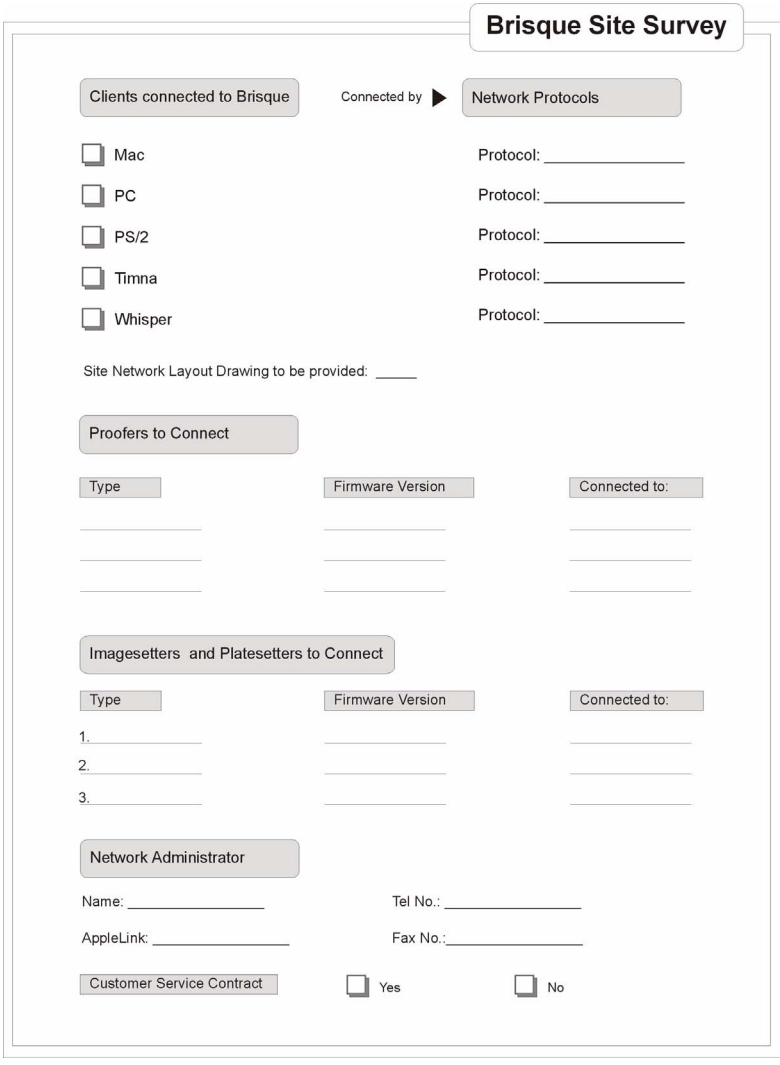
This form is distributed electronically to all subsidiaries as the basis for a more comprehensive form to suit local needs. It can be altered and/or translated to other languages.

In the work flow description section, a general description should be written including the following details such as:

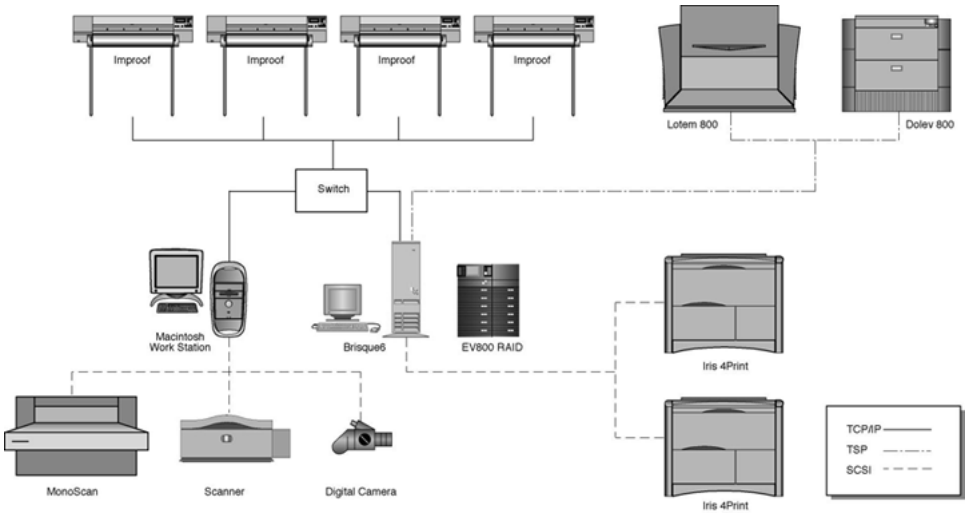
- Are there scanners in the site, and if yes to which host computer, what type of scans are done (B&W / Color), how large are the scanned files etc.
- What Output devices are installed, and to what DFE are they connected, what type of files are exposed, what type of network interface is connected, etc.
- Are there any special featured computers installed? e.g. a computer running a software Router or a computer doing automatic trapping etc. If yes, what type of files run through these computers, how large, what is the destination etc.
- Any unique features in the site's work flow that weren't observed elsewhere.
- A detailed scheme of the site's network should be provided, to allow the national product specialist to visualize the above descriptions as much as possible.



Site Survey Form, Pt1



Site Survey Form, Pt2



Site Network Layout, Example

1.2 Site Preparation and Requirements

1.2.1 Network

After completing the site survey and the site survey form, it will be possible to decide whether site preparation is needed. If the site is not equipped with an Ethernet network, such a network will have to be installed.

If the site has one physical network and a heavy load of traffic on it, re-design of the network is recommended, but should be considered as an "extra" or as a customized installation.

1.2.2 Site Planning

The following points should be also considered when planning the placement of the system:

- Connectivity of Brisque to Imagesetters/Platesetter - data path.
- Connectivity of Brisque to Proofers - SCSI cable path.
- Working environment of personnel who use the system.
- Sufficient space for maintaining and servicing the devices.
- Physical security requirements.
- Heat output of devices.
- Operating temperature requirements of the devices.
- Humidity requirements of devices.
- Air flow requirements.
- Air quality of location (no excessive dust etc.).
- Altitude limitations.
- Noise emission levels of devices.
- Vibration of equipment near where devices are situated.
- Power cord paths.

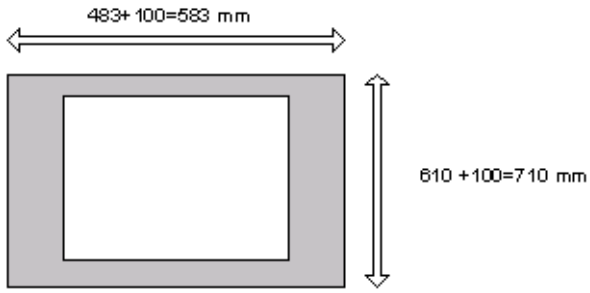


Figure 4. Deskside Footprint

1.3 Unpacking

The first stage in the installation procedure is to unpack your Brisque, and position it in the workplace assigned for it. This section describes how you:

- Unpack the Brisque.
- Check the accessories.
- Position the Brisque.

Before Unpacking

1. At outside temperatures under -10 C, the Brisque package must be transported in a closed truck under a controlled temperature.
2. If there are any signs of ice on the machine, do not touch any of the mechanical parts. Wait at least 24 hours (preferably 48 hours) for the Brisque to gradually reach room temperature.
3. Do not unpack the Brisque in extreme heat or cold (that is, above 30 C or below 0 C).
4. Check that the shipping packing is undamaged. Pay attention to the Shockwatch device fixed to the outside of the package. It reacts to impact by changing from clear to red.

   
   Do not proceed with the installation if the package is damaged in any way. Contact your service center.

5. Place the shipping package as close as possible to its final location. Before unpacking and installing the Brisque, make sure the unpacking site is large enough to allow easy maneuvering.

1.3.1 Unpacking Procedure


Retain all packing materials in case you need to move the Brisque in the future.

1. Cut the plastic holding straps carefully.
2. Open the carton top.
3. Remove the accessory packages.

4. Remove the upper cover protectors from the Brisque.



Due to the weight of the package (70 kg min. - 90 kg max.), a minimum of two people need to lift the package.

5. Open the carton top, lift up the carton carefully over the Brisque and lift out the Brisque.
6. Carefully move the Brisque and place it as close as possible to its final location.
7. Remove all the other accessory items from their packages.

1.3.2 Checking the Accessory Packages

The Brisque accessory packages contain the items required for the specific Brisque that you ordered. Before installing the Brisque, check that you have received all items contained in the following accessory packages checklist.

Accessory Packages Checklist

Description	#	
68-pin to 50-pin Centronics cable	1	❒
Brisque Sticker	1	❒
Brisque Name Plate	1	❒
Brisque Mouse Pad	2	❒
Brisque Quick Start (English*)	1	❒
Brisque Quick Start (German*)	1	❒
Brisque Quick Start (French*)	1	❒
Brisque 6F1 Installation Guide	1	❒
IBM 6F1 Installation Guide**	1	❒
Brisque Password Backup Diskette	1	❒
Installation Diskette*	1	❒
RS-232 Sh 9Rec to 25Pl	1	❒

CD-PK, Brisque*	2	❒
CD-PK, Brisque Doc & Train*	1	❒
Brisque Accessories CD*	1	❒
AIX Add-on CD	1	❒
CD-PK, Creo AIX*	1	❒
Support Kit, Brisque	1	❒
External Supraexpress Modem	1	❒

* Supplied in Support Kit (513K50929G)

** In IBM book kit

IBM Books supplied with the system:

Supplement Information for the PCI Adapter Placement (Reference number SN 32-9076-00)	1	❒
PCI Adapter Placement Reference (Serial number SA23-2504-09)	1	❒
Installation Guide SA23-25	1	❒

1.4 Hardware Installation

1.4.1 Assembly of Components

To assemble the components of your Brisque refer to the following publications which are supplied with your unit:

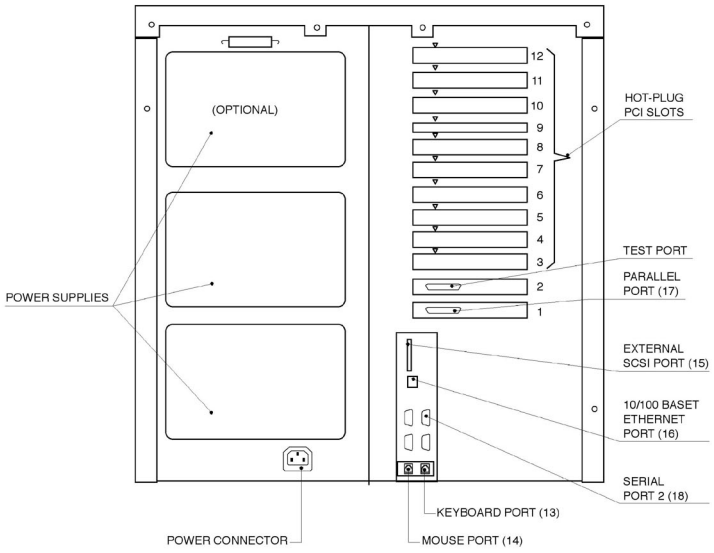
Supplement Information for the PCI Adapter placement reference SN32-9076-00

PCI Adapter Placement Reference SA23-2504-09

Installation guide SA23-25

1.4.2 Component Diagrams

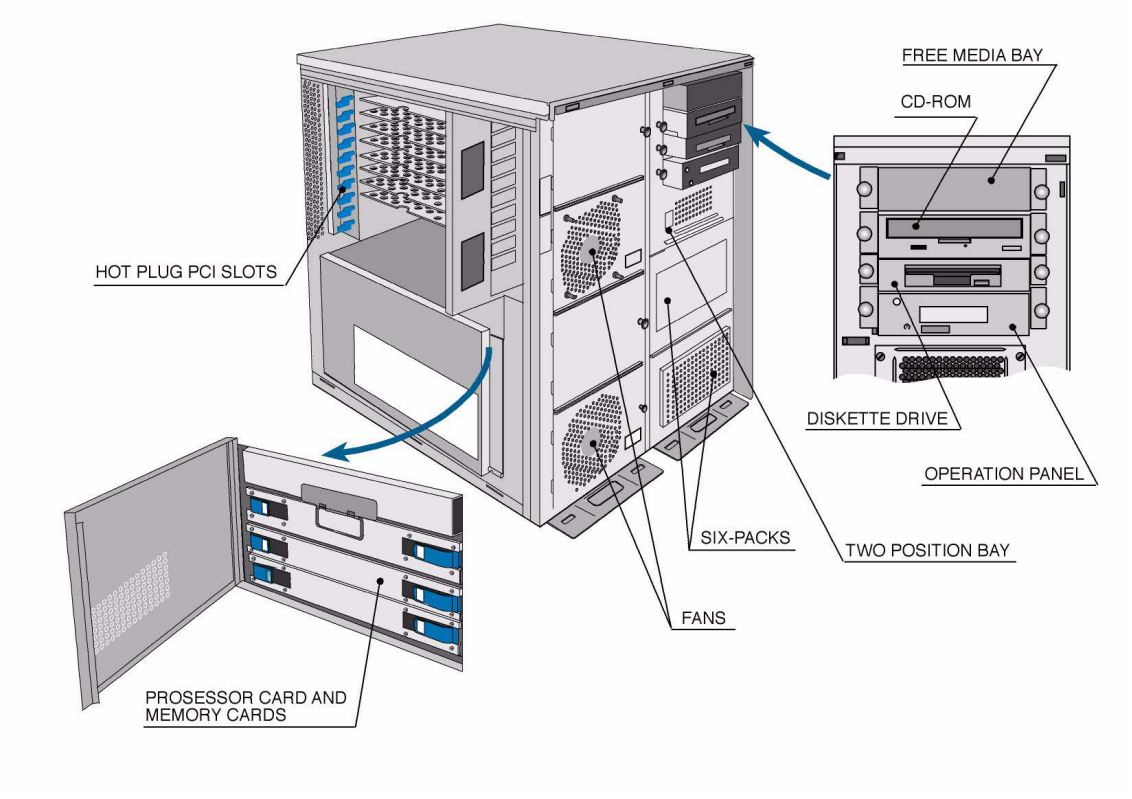
Refer to the diagram that follows for the location of the Brisque rear components.



6F1 Rear view

Slot No.	Board Description	Comments
12	Rotation Board *	
11	TSP board	Second TSP*
9	SCSI LVD	Additional LVD
8	Ethernet Board	Second Ethernet *
7	TSP Board	Main TSP
6	Graphics Board	
5	Gigabit Board *	
	* = Optional	
11	SCSI DIFF	For Trendsetter

Refer to the following diagram for the location of the Brisque front components.



Brisque Front View

In Figure 6:

- The upper disk bank (six packs) is optional. Currently, two data disks occupy part of the lower bank.
- The system disk occupies the top position in a two position bay.
- Fans are installed in two postitions as shown. The other two positions are for optional fans.

1.4.3 Installation Procedures

During installation, refer to *Section 1.4.2, Component Diagrams, on page 12*, for information on the location of Brisque components.

Do not connect any power cords before all components have been connected to the Brisque.

Refer to *Figure 5. 6F1 Rear view on page 12* for position of slots.

1. Connect keyboard cable to Key Board connector [13].
2. Connect mouse cable to Mouse connector [14].
3. Connect the monitor cable to the Graphics adapter [6].
4. Connect the modem cable to the modem and to the serial 2 [18] connector (a telephone line should be connected to the modem's RJ-45 LINE connector). Refer to *Section 1.12, Remote Support and Control via Modem, on page 40*.
5. Connect the Ethernet network cable to the network and to the Fast Ethernet adapter [16].
6. Connect optional external devices to the appropriate connectors (i.e., connect the Realist, Optical drive or Jaz to the lower SCSI connector [15].
7. Connect the TSP cable to the TSP adapter [7] for connectivity to an Imagesetter/Platesetter. For TSP adapater installation, refer to Chapter 2, *2.2.1 Installing the TSP Board on page 54*.
8. After connecting all interface cables, connect power cables to devices' power connectors and to electrical outlets (the Brisque, monitor,and modem each have separate power supplies).
9. To power up the system, refer to *Section 1.7, Powering Up the Brisque, on page 25*.
10. Stick the Brisque sticker and nameplate on the monitor. Use the labelling instructions and template supplied with the machine.

1.5 Installing Additional Hardware/Software

This section provides general information about installing additional hardware and software and contains the following subsections:

- Installing Peripheral Devices
- Jaz Connections and Settings
- Optical Disks
- Shuttle (Removable Hard Disk)
- Configuring a New Hard Disk

The following table contains peripheral devices that can be added to your Brisque configuration.



Check the available SCSI IDs before connecting any peripheral device to the Brisque (refer to Chapter 2, Hardware Installation, *Section 2.7.3 Verifying the Proofer SCSI Connection on page 78*).

Device	Supplier	Mac (TP)	Dos (TP)	AIX (MP)	UFS (NFX)	RMX (NFX)
ZIP 100MB	Iomega	Yes	Yes	No	No	No
Jaz 1GB/2GB	Iomega	Yes	No	Yes	No	No
5.25"MO 0.6GB	HP/Sony	Yes	No	No	Yes	Yes
5.25"MO 1.2GB	HP	Yes	No	No	Yes	Yes
5.25"MO 2.3GB	HP/Sony	Yes	No	No		Yes
RM20002GB Shuttle		Yes	No	No	Yes	Yes
RM40004GB Shuttle		Yes	No	No		
Optical 3.5" 230MB		Yes	Yes	No	No	No

The following software can also be added to your Brisque:

- TP - TransferPro
- MP - MountPro
- NFX - NatFX (optional)

Only devices supplied by Creo have their own installation and configuration documentation.

For devices not supplied by Creo, refer also to the documentation supplied by the manufacturer.

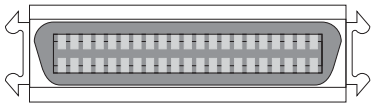
1.5.1 Installing Peripheral SCSI Devices

General Connections:

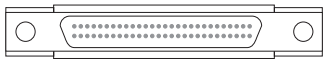
- When connecting external devices, use the on board external LVD SCSI connector [15] (refer to *Figure 5. 6F1 Rear view on page 12*). **Do not** use the Ultra SCSI connector on the PCI LVD board [9].
- Up to **three** peripheral devices can be linked together on the same SCSI chain with the length of cable from the Brisque to last device being not more than 3m and with termination on the last device.
- For SCSI chains with an Iris proofer being the last device in the chain, only an additional two storage devices can be supported.

  If two Brisque stations are connected to the same IRIS, no additional devices are allowed to be connected to the chain from either Brisque. An additional SCSI board is needed for additional devices.

- The Brisque computer is supplied with a 68pin high density to 50 pin centronics (male) SCSI cable which is suitable for all devices except the Iomega JAZ, which requires a 50 pin high density SCSI cable.



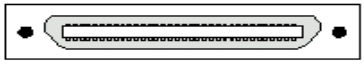
Centronics 50 pin



68 pin High Density



50 pin High Density



Very high density (VHDCI) 68 pin

Connectors

- Each device on a SCSI chain must have a unique SCSI ID.

  This can be verified visually as each device has a SCSI switch.or through SciSmit, listing all SCSI IDs currently used.

- Before connecting the device, shutdown the station, and all other connected devices.
- After connecting the additional device and verifying that the SCSI ID is correct, power on the peripheral devices and then power on the station. Check the SCSI ID through TransferPro, see *Section 1.13.1, Verifying TransferPro Installation, on page 43*.

1.5.2 Jaz Connections and Settings

- To connect the JAZ to a Brisque station a special 50 pin high density SCSI cable must be used.
- If it is the last device in a SCSI chain then the cable should be 50 pin centronics-50 pin high density in order to connect it to an existing device.
- If it is the only peripheral it can connect directly to the Brisque, in this case a 68 pin high density to 50 pin high density is required.
- The termination switch at the back of the JAZ should be set at 1 (manual).
- The SCSI ID is factory set at 4, however this may need to be changed if there is already a device in the SCSI chain with the same ID.

  Refer to the documentation supplied with the JAZ to change the ID number and use the procedures previously described to determine which SCSI ID is unused.

1.5.3 Optical Disks

- These can be configured in either Direct Access Device or Optical Memory Device mode, where there is an external device switch to move between modes.
- For work on the Brisque set the mode to Direct Access Device, it is recommended to use only optical disks which have this external switch.

The 5.25" 2.3GB drive supports:

2.3GB media (512Bytes/Sector) - Read/Write

1.2GB media (512Bytes/Sector) - Read/Write

And,

600MB media (512Bytes/Sector) - Read only



650 MB/1.3 GB/2.6 GB media (1024 Bytes/Sector) are NOT supported.

1.5.4 Shuttle (Removable Hard Disk)

- When defining an additional internal hard disk and a shuttle disk is already connected, disconnect the shuttle disk, define the additonal hard disk and then reconnect the shuttle.This is recommended in order to minimize the risk of confusion between disks, since both these disks are defined in the same way.
- Refer to your **Creo Service Center** for additional information.

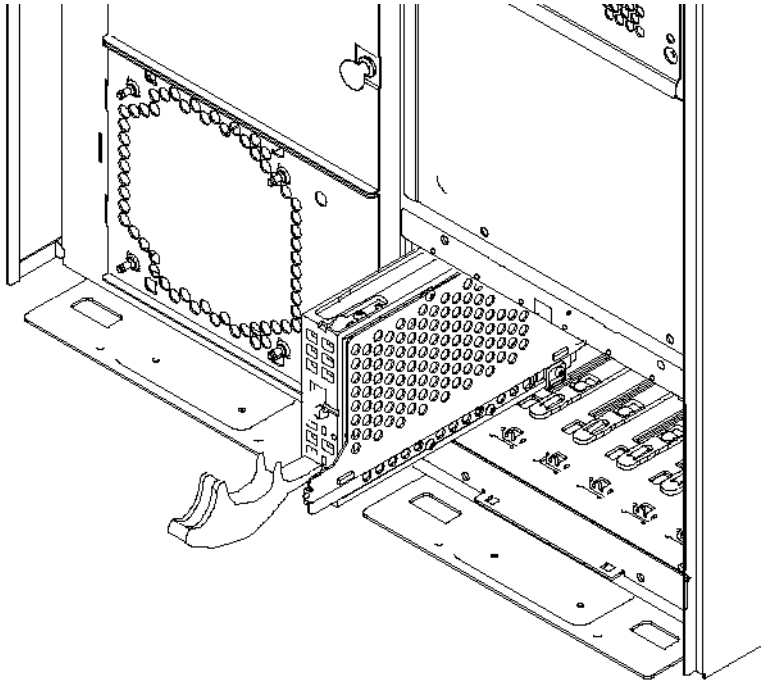
1.6 Adding a Hard Disk

Refer to IBM publication 6F1 User's Guide for additional hardware installation information.

1.6.1 Add a disk using Swappable Slots

Creo does not support adding/removing a disk when the machine's power is on.

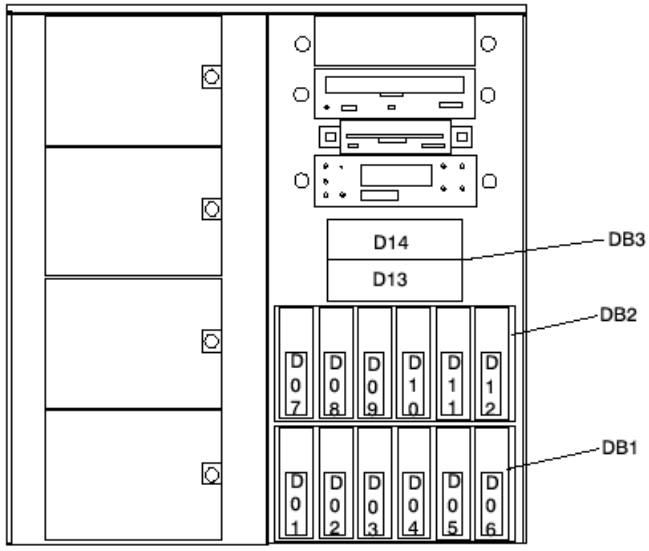
1. The hard disk drive should be installed in a Hot-Swap SCSI Disk Drive Carrier before installation in the machine.
2. Install the drive and lock it in place using the handle.



Removing/Installing Hot Swap Drive

The drive location determines the disk SCSI ID from left to right-ID#8-ID#13, according to position of the disk in the bank. Refer to *Figure 10. Hot Swop Drives SCSI ID Numbering on page 22*.

3. Reboot the system.



Disk Locations

Internal Drives and Devices

Drive	Location	SCSI ID
SCSI	Media Bay	0, 3, 5, or 6
SCSI	Media Bay	1
Integrated	Disk Bay	Non-SCSI
SCSI	Disk Bay 3, D14	2
SCSI	Disk Bay 3, D13	4
Hot-Plug	Disk Bay 2, D12	8
Hot-Plug	Disk Bay 2, D11	9
Hot-Plug	Disk Bay 2, D10	10
Hot-Plug	Disk Bay 2, D09	11
Hot-Plug	Disk Bay 2, D08	12
Hot-Plug	Disk Bay 2, D07	13
Hot-Plug	Disk Bay 1, D01	8
Hot-Plug	Disk Bay 1, D02	9
Hot-Plug	Disk Bay 1, D03	10
Hot-Plug	Disk Bay 1, D04	11
Hot-Plug	Disk Bay 1, D05	12
Hot-Plug	Disk Bay 1, D06	13

Hot Swop Drives SCSI ID Numbering

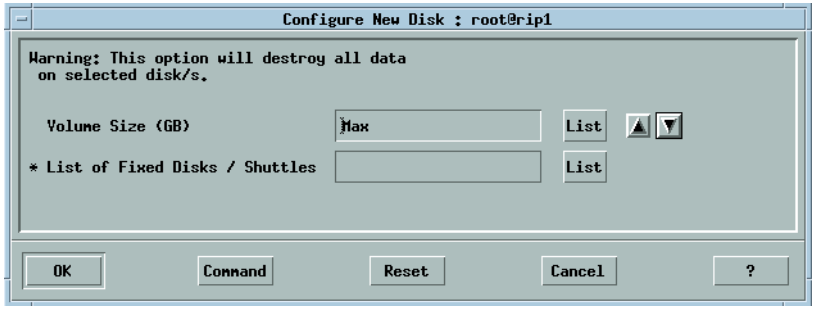
1.6.2 Configuring a New Hard Disk

This section describes how to configure a new hard disk after it has been installed.

To configure a new hard disk:

1. Logout from the Creo application and then login as **root**.
2. At the command prompt, type **scismit** and then press **Enter**.
3. From the *SciSmit* main menu, select **Devices** → **Fixed Disks** → **Configure New Disk** and then press **Enter**.

   The Configure New Disk window appears.



4. Use the **Tab** key, or press **F4**, to select the **Volume Size (2GB, 4GB, 9GB or Max)** of the disk that you want to configure. The default is **Max**.
5. Select the **List of Fixed Disks/Shuttles** option and then press **F4** to display a list of new disks.
6. Select the disk that you want to configure and then press **Enter** twice. The *Are you sure*? popup window appears.
7. Press **Enter** to run the configuration.

   The Command Status window appears, displaying an **OK** status for a successful operation.
8. Select **F10** to exit scismit.

1.6.3 Disk Striping

The 6F1 machine used for the Brisque 2/4/6 enables the implementation of disk striping. Disk striping allows data to be striped simultaneously, in single or multiple block chunks, across 2 disks of the same size and same type. This is the recommended method to achieve better performance when adding pairs of disks.

There is no redundancy, however if there is a hard disk failure in one of the striped disks, the data on the second disk will also be affected. Refer to SciSmit, for procedures on disk striping.

6F1 leaves the factory with 2 x 36GB striped disks.

1.7 Powering Up the Brisque

During the powering up procedure, refer to *Section 1.4.2, Component Diagrams, on page 12*, for information on the location of Brisque components.

To power up the system:

1. Switch on the monitor (auto-adjusting voltage), and check the power LED on the front panel.
2. Switch on any other devices with their own power supplies.
3. Switch on any Proofers, Imagesetters and PlateSetters connected to the Brisque.
4. Press the Power on switch on the Brisque's front panel [B].
   - The system begins its normal start-up routine and is ready for initialization, configuration and setup.
   - After being powered up the system goes through a series of initialization processes and self-tests. After a few minutes, a login screen appears:
     AIX Version 4.3.3
     (c) IBM 1999
     Console login:
5. At the Console login, type **cdesci** and press **Enter** twice to access the Creo application.

   Or, type **root** and then the password to access the station configuration (smit, scismit, etc.)

1.8 Configuring the Date/Time

After powering up the Brisque, you must configure the date and time, as described in *Chapter 3, Configuring the Date/Time on page 126*.

1.9 Configuring the TCP/IP Network

This section describes how to configure the TCP/IP network, which consists of the following procedures:

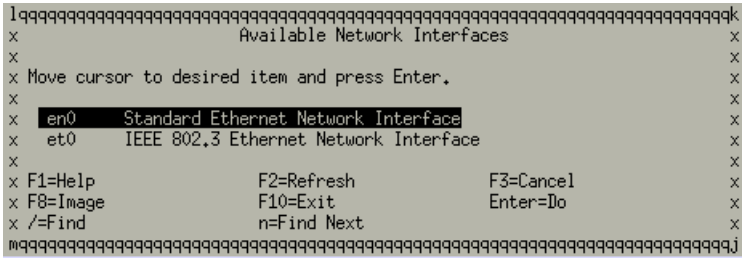
- Configuring TCP/IP for a Local Station
- Configuring TCP/IP for a Remote Station (Hosts Table)

1.9.1 Configuring TCP/IP for a Local Station

To configure TCP/IP for a local station:

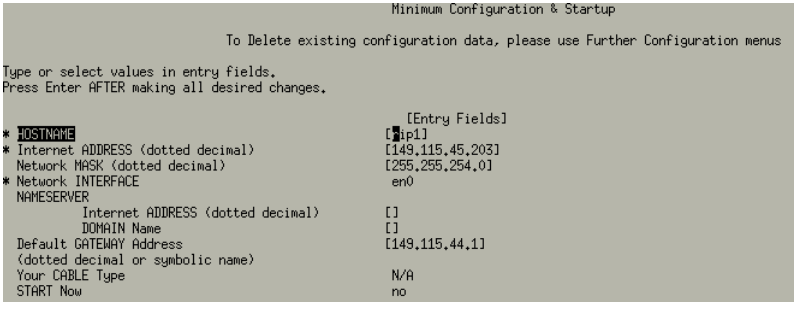
1. At the command prompt, type **smit tcpip** and then press **Enter**.
2. Select the **Minimum Configuration and Startup** option in the TCP/IP window and then press **Enter**.

   The *Available Network Interfaces* window appears.



3. Select **en0** and then press **Enter**.

   The Minimum Configuration & Startup window appears, displaying the setup parameters.



For sites where a configured TCP/IP network already exists (with or without routers), the Site Network Administrator should provide the following network address parameters for each Brisque interface:

- Mandatory: IP Address and Network Mask

- If Required: Default Gateway Address and DNS Address

For more information about Creo IP address structures, refer to Appendix A, Creo IP Address Structure Recommendations.

When you configure the Brisque with a new IP address, remove the old IP address of the local Brisque from the Hosts Table, as described in Removing a Host.

4. Set the configuration parameters, as follows:

HOSTNAME	The local hostname is set to the default name at the production line and is the same as the hostname that you noted in *Chapter 3, Section 3.2.5, Pre-Installation Checklist, on page 109*.
Internet ADDRESS	Enter the Internet address of the local station.
Network MASK	An empty Network Mask field indicates that the default Network Mask is being used. The Brisque default IP addresses belong to Class C, whose default address is 255.255.255.0.
Network INTERFACE	This field displays the interface being configured, for example, en0.
Your CABLE Type	This field is automatically sensed and displays N/A as the default. Toggle this option with the **TAB** key to select the site's cable type
START Now	Toggle this option with the **TAB** key to change from no to yes.

5. After the changes have **been** made, press **Enter**.

   The Command Status window appears, displaying an **OK** status for a successful configuration.

6. Select **F10** to exit **smit**.

1.9.2 Configuring TCP/IP for a Remote Station (Hosts Table)

This section describes how to configure TCP/IP for a remote station, which consists of the following procedures:

- Accessing the Hosts Table
- Adding a Host
- Validating the Hostname List
- Removing a Host



To enable proper communication, you must add the hostname and IP address of all remote stations.

Accessing the Hosts Table

To access the Hosts Table:

➢ At the command prompt, type **smit hosts** and then press **Enter** to reach the *Hosts Table* window directly.

Adding a Host

To add a host:

1. From the *Hosts Table* window, select the **Add a Host** option and then press **Enter**. The Add a HostName window appears.
2. Select the **Internet Address** field and then type in the required IP Address (consult the System Administrator, if necessary).
3. Select the **Hostname** field and then type in the name of the additional host.
4. Press **Enter**. The Command Status window appears, displaying an **OK** status.
5. Press **F3** to return to the *Hosts Table* window.
6. Select the **List All Hosts** option and then press **Enter** to verify that the new host was added.
7. Press **F3** to return to the *Hosts Table* window.

Validating the Hostname List



By default, the network Creo IP address is written to the hostname list (192.9.100.1).

If the IP address of your station (configured in the TCP/IP menu) is different than the Creo IP default address, then two listings for the same station will appear in the hostname list.

Remove any incorrect hostnames and IP addresses from the list, as described in *Removing a Host* in the section that follows.

To validate the hostname list:

1. From the *Hosts Table* window, select the **List All Hosts** option and then press **Enter**.
2. Check that the list is valid. At least the first two entries should be included:

127.0.0.1	local host (Loopback)
Your Internet Address	Your Hostname
Remote Internet Address	Remote Hostname

3. Press **F3** to return to the *Hosts Table* window.

Removing a Host

To remove a host:

1. From the *Hosts Table* window, select the **Remove a Host** option and then press **Enter**. The *Remove a Host* window appears, displaying the Hostname or Internet Address field as highlighted.
2. Press **F4** to display the Hosts list.
3. Select the host that you want to delete and then press **Enter**. The *Are you sure?* popup window appears.
4. Press **Enter** to complete the operation.
5. Press **F3** to return to the *Hosts Table* window.
6. Select the **List All Hosts** option and then press **Enter** to verify that the host was deleted from the list.
7. Press **F10** to exit **smit**.

1.9.3 Verifying TCP/IP Installation

To verify TCP/IP installation:

- At the command prompt, type **ping** and then the **station name**. You should receive a continuous reply with TCP/IP details.

  Try pinging the station itself (for example, ping brisque1) as well as any remote stations, if available.

1.10 MountPro Setup and Operation

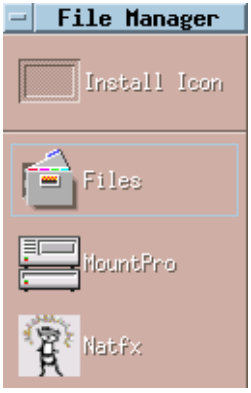
The Network File System (NFS) is a distributed file system that allows the UNIX host (or other NFS clients) to access files, directories and peripherals of another remote station (that supports an NFS Brisque) as if they were local.

This procedure describes mounting NFS filesystems for remote users.

MountPro lets you mount a volume of another remote station (Brisque or Server) so that you can access the files through the local file manager.

To invoke MountPro:

1. From the Launch Pad, click the arrow above the Files icon; the File Manager panel appears.



2. From the File Manager panel, double click the MountPro icon; the Devices & Remote Stations window appears.

1.10.1 Mounting a Remote Station

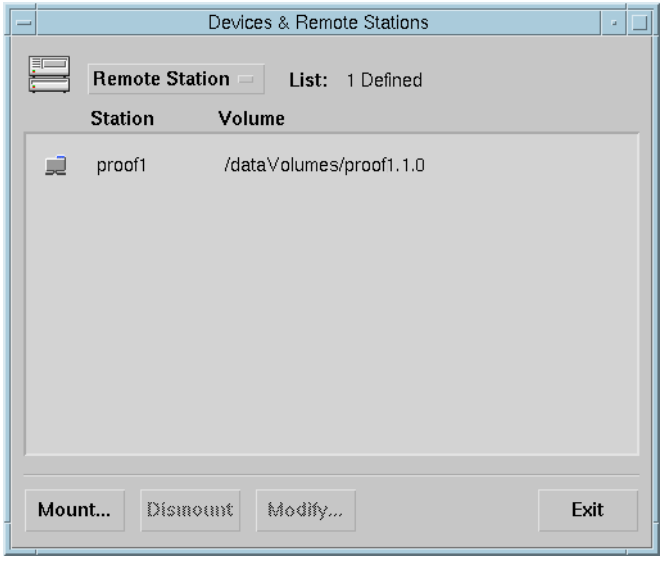
You can mount NFS data volumes, i.e. regular data volumes from any Brisque or Server on the network.

If the network has the DNS server, there is no need to define the stations as Host as a prerequisite to mounting a remote station.

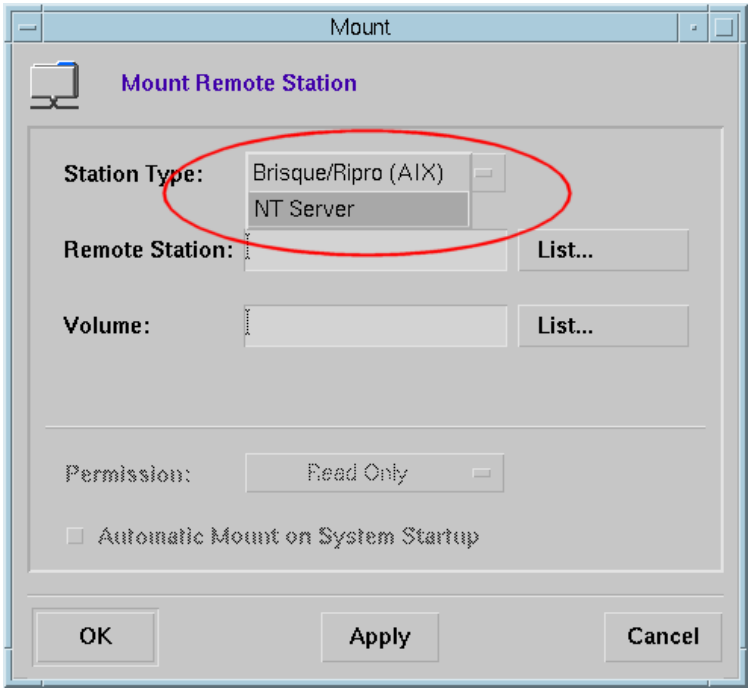
If you get the 'host unknown' message, and you're sure you've typed the name correctly, then go into SMIT and define the remote Brisque as Host.

To mount a remote station

1. Launch MountPro; the Devices & Remote Stations window appears.
2. Click the menu button in the upper left corner of this window, and if it isn't already selected, from the popup menu, select Remote Station; a list of mounted volumes appears.

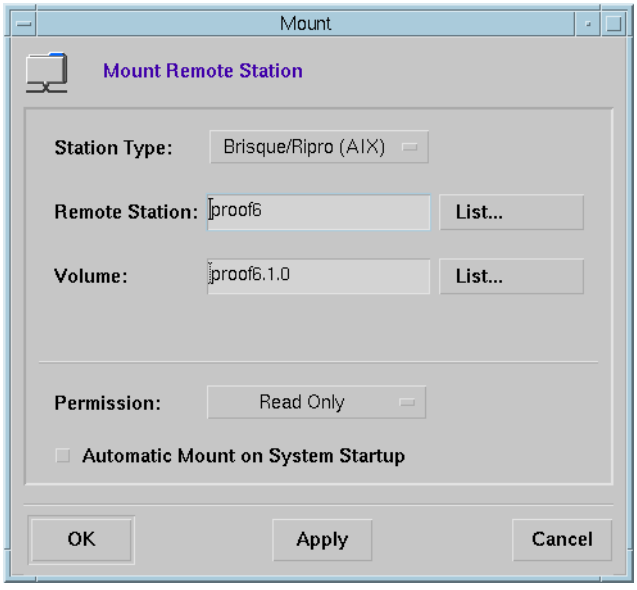


3. From the Devices and Remote Stations window, click the Mount button; the Mount window appears.



4. In the Remote Station field, type the name of the remote station that you want to mount and press Enter. The Volume and Permission menu button becomes active.

   The Volume button automatically displays all of the existing dataVolumes on the selected remote station, but not any volumes that are currently mounted on the volume that you are mounting.



5. If the remote station that you want to mount has been defined as a Host via the SMIT application then alternatively, you can click List, to invoke the Remote Stations list (which only displays stations that have been defined as Host via the SMIT application), and from the list, select the volume that you want to mount.
6. Only defined hosts appear here.
7. Click the Volume menu button, and from the popup list, select the volume on the selected Remote Station that you want to mount.
8. Click the Permission button, and select an option from the pop-up list.
9. Select Read Only, and the files from the mounted volume can be read from the local Brisque, or copied to the local Brisque.

   When you select Read Only, you can preview files from the mounted volume, and not perform any other operation (i.e. RIP, etc.) on these files unless you copy them from the mounted data volume to a data volume on the local Brisque.
10. Select Read/Write to allow complete freedom to read from and write to the mounted volume.

When you mount a volume with Read/Write capabilities, you can perform all operations on the files contained in the volume, and you also can write to the mounted volume.



If you work regularly with the selected volume and you want it to be automatically mounted every time you boot the Brisque, select the Automatic Mount on System Startup option.

11. Click OK; you are returned to the Devices & Remote Stations window, where the selected volume appears in the list.

    Now you can access the files and folders of the mounted volume from the File Manager, and from Browsers on the local Brisque.

To unmount a remote data volume:

1. Launch MountPro; the Device & Remote Stations window appears.
2. Click the menu button in the upper left corner of this window, and from the pop-up menu, select Remote Station.
3. From the Volume list, click the volume that you want to unmount; it appears highlighted.
4. Click Dismount; the selected volume disappears from the list. It's files and folders no longer appear in the File Manager.

1.10.2 Mounting NFS for Windows NT and Windows 2000 via MountPro

1. Click Mount. The MountPro window is displayed.
2. From the Station Type menu, select NT Server.
3. In the Remote Station field, type the Win NT workstation's Name (as defined in the Hosts Table), and then press <Enter>.
4. To the right of the Volume field, click List. Use the browser to select a volume/drive on the Win NT workstation, .
5. From the Permission menu, select Read/Write.
6. Click OK to return to the Devices & Remote Stations window. The Win NT workstation is mounted as a datavolume on the Brisque DFE.
7. Click OK to close MountPro.

1.11 NFS Setup using SMIT

This procedure describes the NFS setup using SMIT to mount volumes of any remote users, e.g. other UNIX, Windows NT or Novell.

To mount a Brisque or Server volume refer to *Section 1.10.1, Mounting a Remote Station, on page 32*.

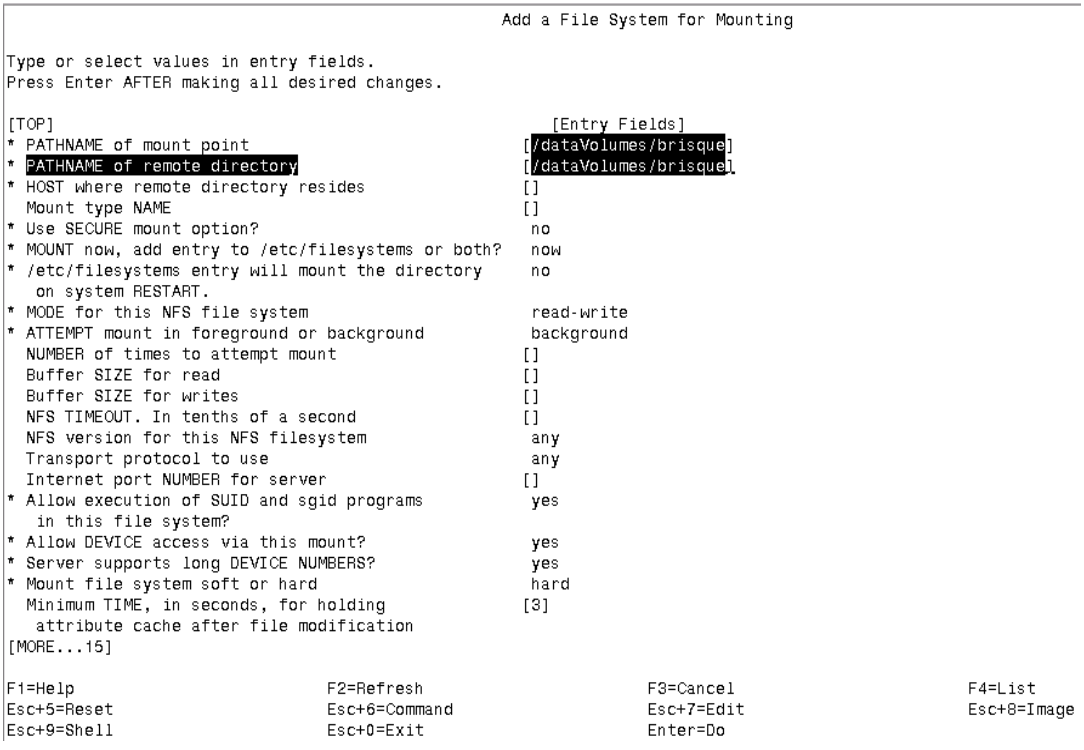
1. Activate the SMIT utility by typing:

   smit mknfsmnt and press **Enter**.

   The *Add a file system for Mounting* screen appears.

2. Highlight the first field, *Pathname of mount point* and type in the entry fields column the mount point, in this example */dataVolumes/brisque*.

3. Move to the next field below and type in the Pathname of remote directory, in this example **/dataVolumes/brisque**.



```
                                        Add a File System for Mounting

Type or select values in entry fields.
Press Enter AFTER making all desired changes.

[TOP]                                                [Entry Fields]
* PATHNAME of mount point                           [/dataVolumes/brisque]
* PATHNAME of remote directory                      [/dataVolumes/brisque]
* HOST where remote directory resides               []
  Mount type NAME                                   []
* Use SECURE mount option?                          no
* MOUNT now, add entry to /etc/filesystems or both? now
* /etc/filesystems entry will mount the directory   no
   on system RESTART.
* MODE for this NFS file system                     read-write
* ATTEMPT mount in foreground or background         background
  NUMBER of times to attempt mount                  []
  Buffer SIZE for read                              []
  Buffer SIZE for writes                            []
  NFS TIMEOUT. In tenths of a second                []
  NFS version for this NFS filesystem               any
  Transport protocol to use                         any
  Internet port NUMBER for server                   []
* Allow execution of SUID and sgid programs         yes
   in this file system?
* Allow DEVICE access via this mount?              yes
* Server supports long DEVICE NUMBERS?             yes
* Mount file system soft or hard                   hard
  Minimum TIME, in seconds, for holding             [3]
   attribute cache after file modification
[MORE...15]

F1=Help                  F2=Refresh               F3=Cancel                F4=List
Esc+5=Reset              Esc+6=Command            Esc+7=Edit               Esc+8=Image
Esc+9=Shell              Esc+0=Exit               Enter=Do
```

4. Move to the next field below and type in the station name in the *Host where remote directory resides entry* field, in this example **brisque**.
5. Highlight the *Mount now...* field and use the [TAB] key to toggle to **both** at the pop-up window.
6. Similarly toggle the next field to **yes**.
7. Toggle the next field between **read-only** and **read-write**.
8. Toggle the next field to **background** if necessary.
9. Scroll down using the directional arrow keys and change *mount file system soft or hard* to **soft**.
10. Press **Enter** after all changes are made and press **Enter** again at the *Are You Sure?* pop-up window.
11. Repeat this procedure for each file system that is to be mounted.
12. Press **F10** to exit SMIT and return to the prompt.

1.11.1 Mounting a Brisque volume on the PS/2

1. Start the Sciutil application.
2. Select **3**, *Communication Configuration*.
3. Select **3**, *TCP/IP NFS*.
4. Select **1**, *Local Host*, confirm that the Local Host is properly configured.
5. Select **2**, *Network Configuration*.

   Make sure that a Network is configured properly, with the first two segments of the network, e.g. (149.115)
6. Select **3**, *Hosts Configuration*, toggle the top field with the <space bar> to display the network configured in Network Configuration. Configure each host with its' proper IP address.
7. Select *4, NFS Definition*. The Brisque that you wish to define a NFS volume for, press **Enter**.
8. In the *Logical Name* field, type a device name that you will be able to identify as the Brisque Volume on the PS/2.

9. In the *Mount Level* field, select whether the Brisque Volume is mounted as a Page(~PG) or as a File(~FL).

   If you choose Page, the folder on the Brisque appears as a Job on the PS/2, and you can create Pages in which to copy or RIP into. You must have as part of your path the jobs folder on the Brisque / dataVolumes/brisque1.1.0/jobs.

   If you choose File, you will not be able to create pages on the mount, and you will only be able to RIP or copy files to this folder.

10. In the *APP Mount* field, will mount the Brisque volume on restart, use <space bar> to toggle between **yes** and **no**.

    In the *Remote Path* field, enter the path as it appears on the Brisque (e.g. **/dataVolumes/brisque1.1.0**).

1.12 Remote Support and Control via Modem

The remote support of this product is carried out via a modem and utilizing communication software. Therefore, a dedicated phone that will also be connected to the modem must be allocated. The modem is connected to the Brisque.

The remote access via a modem enables connection to the customer's Brisque in order to perform technical support directly.

Installation Procedure Outline

1. Install hardware - connect modem to Brisque.
2. Configure serial port and modem on the Brisque.
3. Check modem operation.

Hardware Required

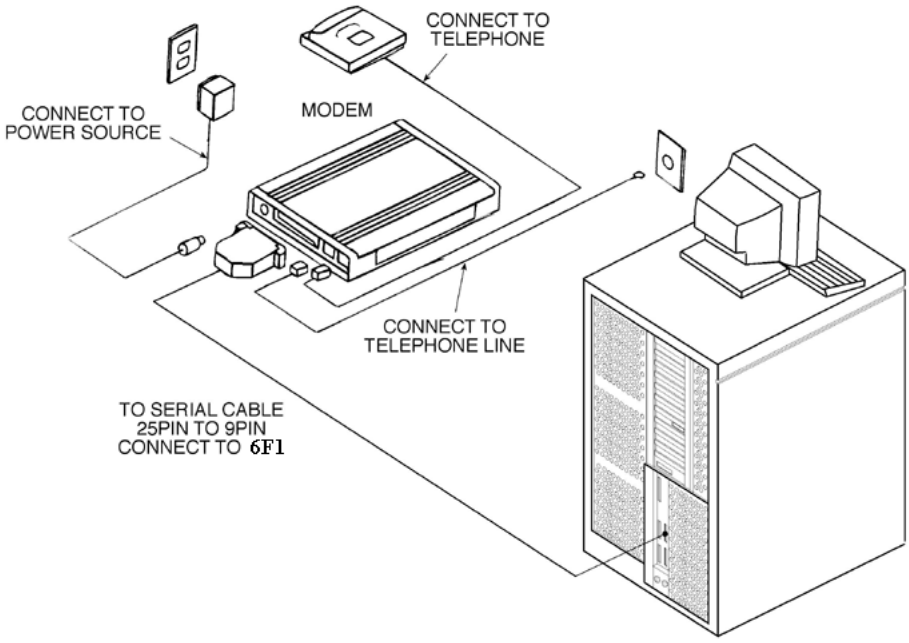
Item#	Item	Description	Qty	Cat#
1.	Modem	Suprafax Ext. 56 K	1	605A70401

1.12.1 Modem Installation Procedure

1. Connect the cable (Cat#504L41518) 9-pin side to the modem and to the 9-pin side (COM 2) on the Brisque as shown in *Figure 5. 6F1 Rear view on page 12*).
2. Connect the power cable from the modem to a power source and connect the dedicated telephone line to the modem (refer to *Figure 11. Modem Connections - Schematic View on page 41*).
3. Connect the dedicated telephone line to the modem, as shown in *Figure 11. Modem Connections - Schematic View on page 41*.



Proceed with the installation even if there is no dedicated telephone line available.



Modem Connections - Schematic View

1.12.2 Modem Configuration

Ensure that the modem is properly connected (COM2), then power on the Modem and the Brisque (Power up the Brisque, refer to *Section 1.7 Powering Up the Brisque on page 25*).

1. At the Console login, type **root** and enter your password (default **ripro**) and then press **Enter**.
2. At the command prompt, enter:

   # **cd /scitex/version/utils/modem**

new_inst_modem com2

This script automatically installs and enables the modem.

1.13 TransferPro

TransferPro enables you to work on the Brisque with files from PC or Macintosh formatted diskettes or from external SCSI media such as optical disks, shuttles, Mac or PC hard disk drives.

This section describes how to work with TransferPro, which consists of the following procedures:

- Verifying TransferPro Installation
- Reinstalling the TransferPro License
- Verifying the TransferPro License

TransferPro and its license (password) are loaded at the factory as well as included in the Password Backup Diskette.

1.13.1 Verifying TransferPro Installation

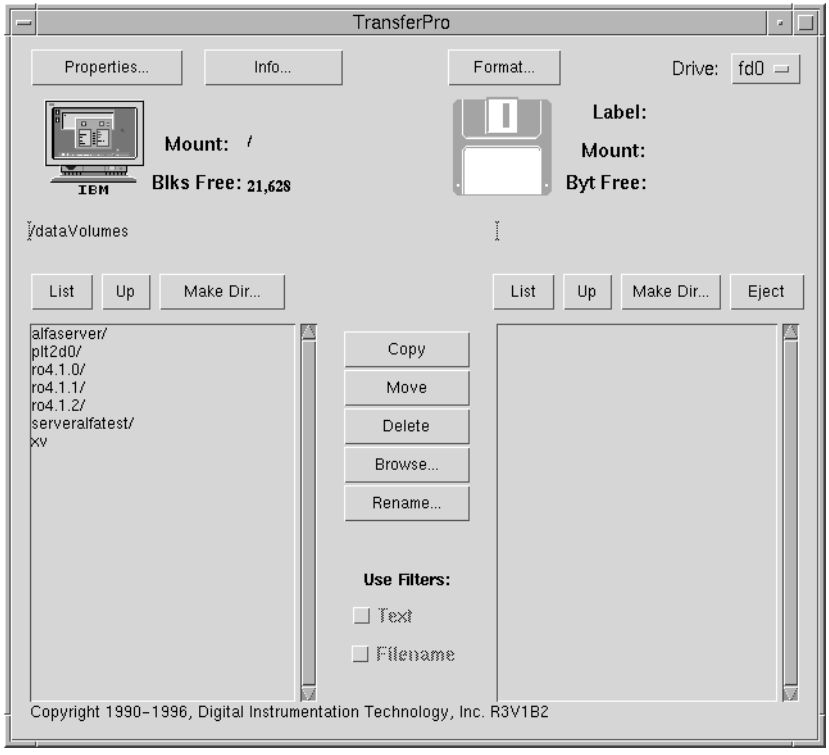
To verify TransferPro installation:

1. From the Launch Pad, open the File Manager subpanel. If TransferPro is installed correctly with the password, the following icon appears in the File Manager subpanel:



If the TransPro icon does not appear, then it is not loaded properly.

2. Double-click the TransferPro icon to launch the application and open the TransferPro main window.



If the cursor blinks but the application is not invoked, this indicates that a wrong password has been entered.

3. To access files on an external SCSI device, click the button next to the Drive option to display a popup list of SCSI devices, as follows:

Select	To access
fd0	Brisque floppy disk drive
CD#	Brisque CD-ROM drive
hdiskMO	Optical disk
hdisk#	Shuttle
HdiskRM#	Jaz



If there is a SCSI ID conflict or other problem such as a faulty cable, faulty connections, or the cable is too long, the conflicting devices will not appear.

4. Select the SCSI device from which you want to work.

1.13.2 Reinstalling the TransferPro License

This installation procedure is intended for those instances where TransferPro needs to be reinstalled.

To reinstall the TransferPro license:

1. Logout from the CDE.
2. At the command prompt, type cd /scitex/version/dit and then press Enter.
3. Then type install_license and press Enter. The following window appears (the picture below is only an example):

```
install_license: Copyright (c) Digital Instrumentation Technology Inc. 1991-1996
Installing NODELOCK licensing
Please contact Digital Instrumentation Technology for a NODELOCK password
Fax your password request to DIT at: (505) 662-0897
This is your installation id DIT needs in order to
generate your password ->
UNAME_ID = c88a4c00
Do you already have a password ? [y/n]y
Please enter the password -->1234-5678-0987-6543-1234-5678-0987-6543-1234-5678-076
Licensing complete.
Run TransferPro to check if licensing was successful.
```

4. Type in the UNAME_ID and then type y and press Enter. The following message appears:

   Please enter the password-->

5. Type in your password and then press Enter. The following message appears:

   Delete current license file? [y/n]

6. Type y and then press Enter.

1.13.3 Verifying the TransferPro License

- Launch TransferPro, as described in *Section 1.13.1, Verifying TransferPro Installation, on page 43*.

  If the TransferPro main window opens, the license installation was successful.

1.14 Saving and Restoring Configuration Files

This section describes how to save and restore predefined configuration files (such as hot-folder setup, users and groups, and print spoolers, which are unique for each Brisque) and contains the following procedures:

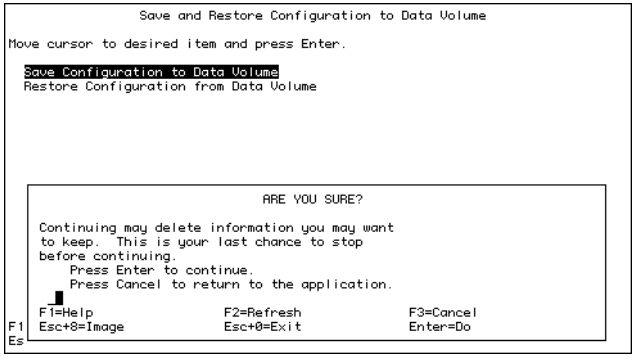
- Saving the Configuration Files to a DataVolume
- Restoring the Configuration Files from a DataVolume

It is recommended to save the configuration files frequently.

1.14.1 Saving the Configuration Files to a DataVolume

To save the configuration files to a dataVolume:

1. From the *SciSmit* main menu, select **Backup and Restore>>Save and Restore Configuration to dataVolume**. The *Save and Restore Configuration to Data Volume* window appears.



2. Select the **Save Configuration to Data Volume** option and then press **Enter**. The *Are You Sure?* popup window appears.
3. Press **Enter** to complete the operation. The *Command Status* window appears, displaying the processes on the screen and then returns an **OK** status for a successful save operation.

If a **failed** status is returned, scroll the screen to locate the reason for the failure. In most cases, it is due to a missing DIT password (TransferPro), missing APR path or missing license.

1.14.2 Restoring the Configuration Files from a DataVolume



IMPORTANT: Restoring configuration files can only be performed for files of the same version in which the configuration was saved. For example, a saved configuration from Version 3.0 cannot be restored into Version 4.0

To restore the configuration files from a dataVolume:

1. From the *SciSmit* main menu, select **Backup and Restore>>Save and Restore Configuration to dataVolume**.

   The *Save and Restore Configuration to Data Volume* window appears (shown in *Section 1.14.1, Saving the Configuration Files to a DataVolume, on page 46*).

2. Select the **Restore Configuration from Data Volume** option and then press **Enter**. The *Are You Sure?* popup window appears.

3. Press **Enter** to complete the operation. The *Command Status* window appears, displaying an **OK** status for a successful restore operation.

Chapter 2

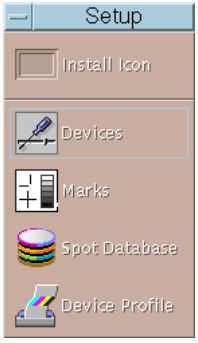
Connecting Output Devices to the 6F1

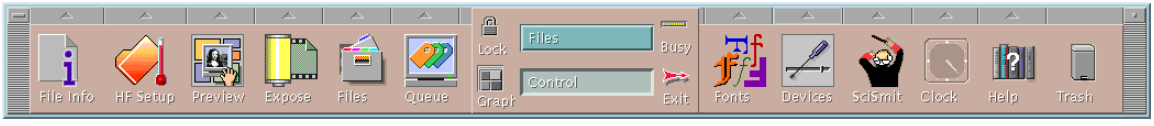
Starting the Output Device Configuration 50
Connecting an Imagesetter 54
Connecting the Brisque to a Lotem/Lotem Quantum . . 61
Configuring the Platesetter Devices 69
Installing the Rotation Board 74
Connect the Brisque to a Trendsetter 76
Installing a Proofer 77
Connecting to an Improof via a Parallel Port. 89
Connecting to an Improof via the Network (TCP/IP) . . . 90
Configuring the KodakXP4 as a Halftone Proofer. 96

2.1 Starting the Output Device Configuration

As of Brisque version 4, the Output devices configuration has changed. The new configuration procedure follows.

To start the Output Device Configuration:





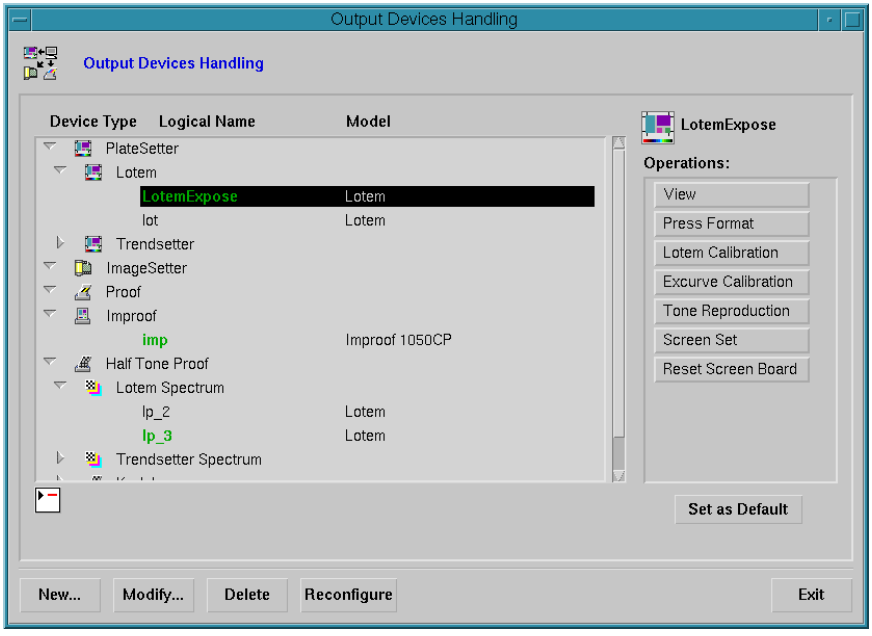
The Launch Pad with the Setup panel open

From the Brisque Launch Pad, open the **Setup** panel, then double click the **Devices** icon; the Output Devices Handling window appears.

2.1.1 The Output Devices Configuration Main Window

From the Output Devices Handling window all configurations of the output devices are performed. From here new devices are configured, currently configured devices modified or deleted and previously configured devices are re-configured periodically.

All the device groups, device families and device configuration connections are displayed in this window, as well as the various operations relevant to each of the connected configurations. The device specific operations and the general operations relevant to all output devices are accessed via the available operation buttons in the Operations area.



The Output Devices Handling Window

Device Area

The Device area allows the user to view all the possible devices to be configured in the Brisque DFE. The area is comprised of three columns:

Device Type - This area displays the Device Groups, such as Platesetter, Imagesetter, Proof, Improof and Half Tone Proof. Under each group the list of Device Families appear, such as Lotem and Trendsetter for the Plate Setter group, Lotem Spectrum, Trendsetter Spectrum and Kodak for the Half Tone Proof group, etc.
Each level is locally expandable/collapsible, using the triangular button at the left bottom corner.

Logical Name - This column displays the name of a specific configuration connection. When highlighted, the relevant operations in the Operation area are enabled.

Model - This column displays the physical device name.

Expand/Collapse icon

Click to spread or contract the list of devices to show or hide all details.

New...

Click to open the New Device Wizard and start the process of configuring a new device.

Modify...

Click to modify parameters for an existing output device.

Delete

Click to delete an established configuration to an output device.

Reconfigure

Reestablishes the connection to the device. Click **Reconfigure** to re-engage the device (Online mode); a message is displayed confirming the connection or warning of the failure to connect. When a device is configured the data is read and registered in the Brisque database. Disengaging the device, or failure of a component is not logged in the Brisque, and there is no mechanism to warn of the device disconnection.



It is, therefore, recommended to reconfigure the device prior to every operation.

Operations area

Operations relating to the output devices are invoked from here. The operations are enabled only when a particular configuration connection is selected. Some operations are connection-specific, some are applicable to all output devices.

Set as Default

Sets the default device, when several devices of the same type are configured. The default device appears in **Green** and it automatically appears in various windows when performing operations relevant to the device.

To change default device:

1. Select the device displayed in black.
2. Click **Set as Default**; the selected device is displayed in **Green**.

Exit

Exit the configuration window.

2.2 Connecting an Imagesetter

This section describes how to connect an Imagesetter to the Brisque using the TSP board, which consists of the following procedures:

- Installing the TSP Board
- Connecting the Brisque via a TSP Data Cable Link
- Verifying the TSP Board Installation

  If the TSP board is already installed on the Brisque, you do not need to perform the procedure in the following section.

- Configure Image Setter

2.2.1 Installing the TSP Board

Installation of the TSP board requires the following:

- TSP board
- TSP data cable (depending on the output device)
- Software Version 4.x or higher

To install the TSP board:

Before installing the TSP board, attach the connecting bracket to the component side of the board (refer to the TSP Installation Guide, 399Z1M292A).

1. Shut down the Brisque using the appropriate shutdown commands. (This will also power off the system).
2. Remove the computer covers (refer to the 6F1 Service Guide, Chapter 9).
3. Remove the expansion slot cover from Slot #7.
4. Install the TSP board into Slot #7; the second TSP should be installed in slot #11. Ensure that it is firmly fitted into the slot.
5. Replace the computer covers.

2.2.2 Connecting the Brisque using a TSP Data Cable Link

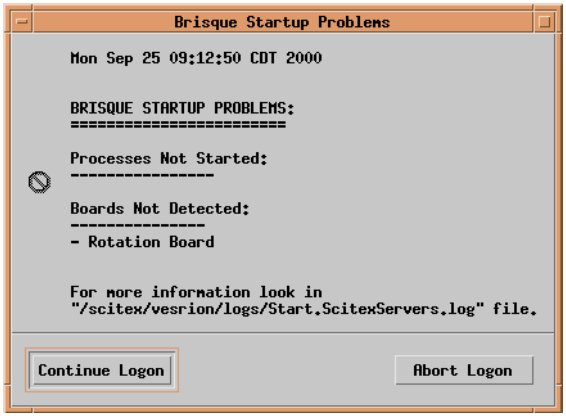
➢ Connect the TSP data cable between the TSP board on the Brisque to the host connector in the Imagesetter according to the Imagesetter type. (See TSP Installation Guide.)

2.2.3 Verifying the TSP Board Installation

To verify the TSP board installation:

1. Power on the Brisque.
2. At the Console login, type **cdesci**.

   The *Brisque Startup Problems* window appears.



3. Ensure that the TSP board does not appear in the Boards Not Detected list.

2.2.4 Configuring the Image Setter Devices

Configuring the Dolev Imagesetter

To invoke the Output Device Configuration, refer to *Section 2.1 Starting the Output Device Configuration on page 50.*

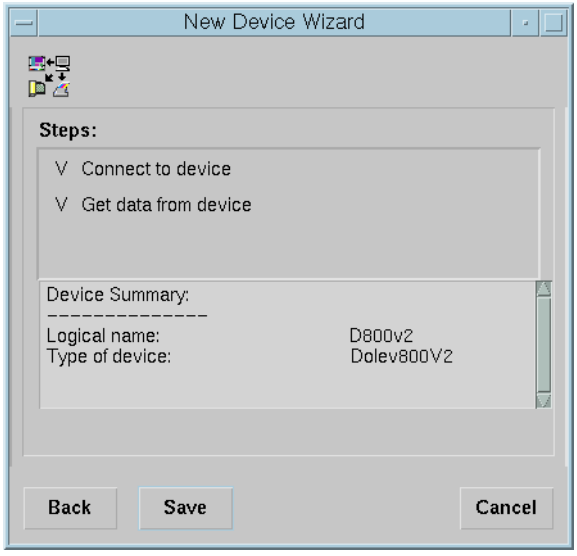
To configure a New Dolev imagesetter:

1. In the Output Device Handling window, click **New...**; the following window appears.



2. In the Logic Name box, type a **logical name**. From the Device Group list box select **Imagesetter**; the Device Family list box should be labeled Dolev. If not, select **Dolev** from the list. Select the desired TSP board from the Screen Board list box (TSP0 or TSP1, if two boards are mounted in the Brisque station).

3. Click **Next**. If the selected Screen Board is already in use, a warning dialog is displayed, enabling a halt to allow another board selection. If the configuration is successful a device summary appears.



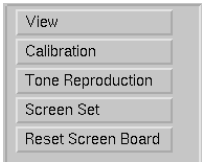
4. Click **Save**, to save the configuration connection; if the connection was successful, a message stating the fact appears for a few seconds, then the connection is displayed in the Output Devices Handling window, under the Dolev icon.

To Reconfigure the Dolev imagesetter:

- In the Output Device Handling window, select the **Dolev configuration connection** and click **Reconfigure**; the Brisque re-reads the data from the device and confirms the connection, displaying a confirmation dialog for a few seconds, if the device has been re-connected. Otherwise, a failure message appears.

  In case of failure check the physical connection and the remote device, then try to reconfigure.

The Dolev Imagesetter Operations



View

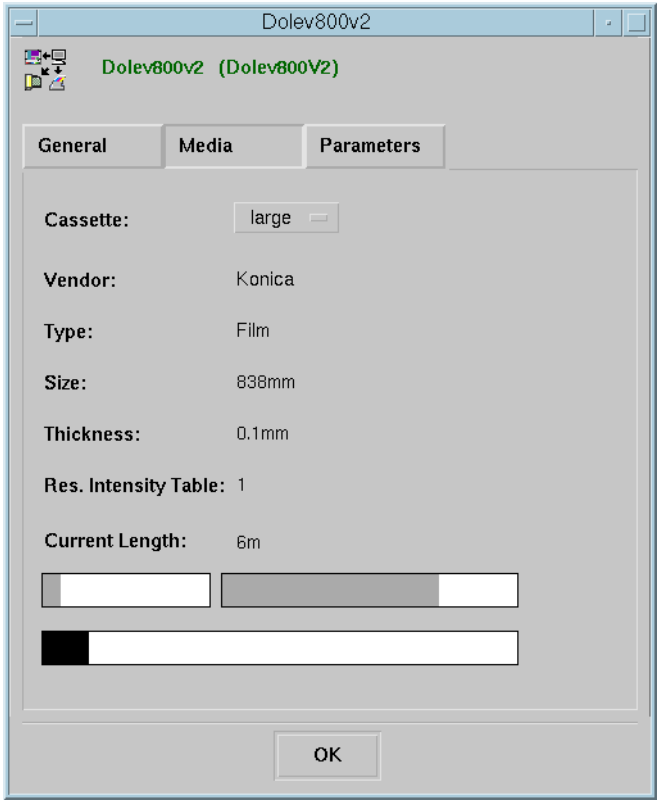
This operation allows the user to view the device parameters, set in the database.

To view the selected Dolev parameters:

1. Click **View**; the Dolev parameters window, containing three tabs, appears.
2. Click the **General** tab; the General tab displays the configuration parameters.



3. Click the **Media** tab; the Media tab displays information on the input media, it's type (film), size, quantity (in running meters) and thickness, as well as the Resolution Intensity Table. The delivery system (cassette) is displayed graphically, the cassette in use is represented in **black**, the others are represented in **gray**. Use the Cassette drop list to select a cassette and display it's content in **Black**.



4. Click the **Parameters** tab; the Parameters tab displays exposure parameters such as height, width and resolution of the expose.



5. Click **OK** to exit.

2.3 Connecting the Brisque to a Lotem/Lotem Quantum

This section describes how to connect the Brisque to:

1. Lotem family and refers to Lotem800V, Lotem800V^2, Lotem400VA, Lotem400V, Lotem Flex, Lotem Spectrum, Lotem XL.
2. Lotem Quantum

The procedure consists of the following procedures:

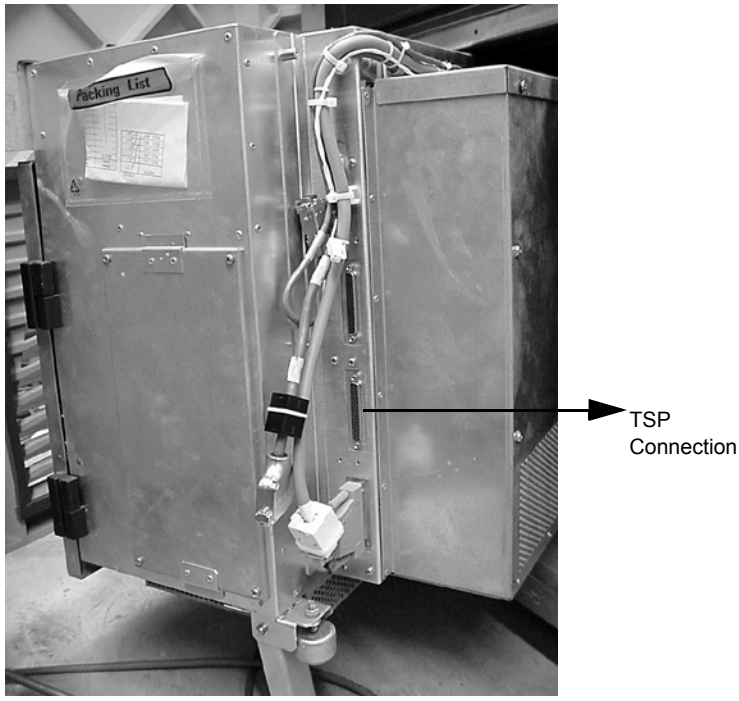
- Connecting the Brisque via a TSP Data Cable Link to Lotem family
  Or,
  Connecting the Brisque to Lotem Quantum
- Setting Up TCP/IP Connectivity
- Verifying the TSP Boards Installation

2.3.1 Connecting the TSP Data Cable to Lotem Family

For TSP board installation refer to *Section 2.2.1 Installing the TSP Board on page 54*.

To connect the TSP data cable link between the Brisque and a Lotem:

- Connect the TSP data cable (Cat#504L1L670) between the TSP board on the Brisque to the data connector in the L. Box on the Lotem.



Connecting the TSP Data Cable Link (Data Connectivity)

2.3.2 Connecting the TSP Data Cable to Lotem Quantum

Brisque is connected to Lotem Quantum using two TSP boards. One board (TSP1) is installed on slot #7, and the second board (TSP2) is installed on slot #11. For TSP Boards installation, refer to *Section 2.2.3 Verifying the TSP Board Installation on page 55*.

To connect the TSP data cable link between the Brisque and a Lotem Quantum:

Connect the TSP splitted cable (199D20024) between the Lotem Quantum and the Brisque. Connect the TSP1 cable to the board in slot #7; and the TSP2 cable to the board in slot #11.

2.3.3 Setting up TCP/IP Connectivity

There are two methods of setting up the TCP/IP connection between the Brisque and the Lotem:

Recommended

Connect the Brisque directly to the Lotem controller using the special network cross cable (Cat# 199A02132) supplied with the Lotem.

Alternative

Connect both the Brisque and the Lotem to the site network infrastructure.

Setting Up TCP/IP Connectivity Using a Cross Cable (Recommended)

The direct link solution involves connecting the Brisque directly to the Lotem PC Controller using the special network cross cable (199A02132) supplied with the Lotem, this cable cannot be used for network connection.

This section describes how to set up the TCP/IP connectivity via a direct link and includes the following procedures:

- Connecting the Brisque to the PC Controller
- Defining the IP Address on the Lotem PC Controller
- Defining the IP Address on the Brisque.

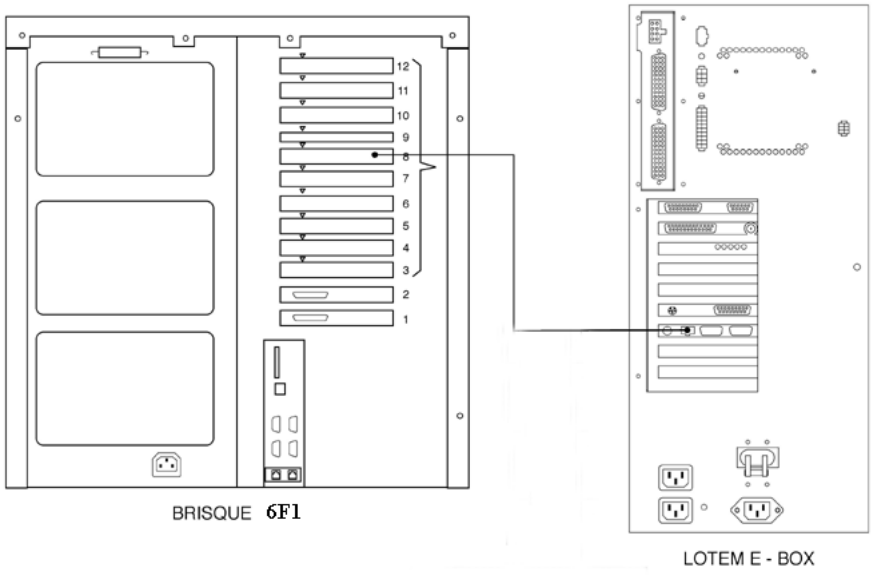
Connecting the Brisque to the PC Controller (Direct connection)

Connecting the Brisque to the PC Controller:

➢ Connect the twisted pair network cable from the Brisque to the network interface in the E-Box, located on the right side of the Lotem.



The PC controller and the Brisque must have individual IP addresses.



Installing an additional Ethernet board:

If the Ethernet board is already installed on the Brisque there is no need to perform steps 1-5 in the procedure that follows.

To install an additional Ethernet board, proceed as follows:

1. Shut down the Brisque with the appropriate shutdown procedure.
2. Remove the computer covers (refer to 6F1 Service Guide, Chapter 9.
3. Remove expansion slot cover from slot # 8, refer to Chapter 1 *Section 1.4.2 Component Diagrams on page 12*, install the Ethernet board and ensure that it is firmly in place.
4. Lock the board in place with the screw from the slot cover.
5. Replace the computer covers.
6. Connect the cross cable from the Ethernet board in slot # 8, to the network interface in the E-box, located on the right side of the Lotem.

7. Power on the Brisque.

Defining the IP Address on the Lotem PC Controller

To define the IP address on the Lotem PC Controller:

1. Power on the Lotem.
2. In Windows, select **Start → Settings → Control Panel**. The *Control Panel* window opens.
3. Double-click the **Network** icon to open the *Network* (viewing mode) window.
4. Select the **Configuration** tab and then double-click **TCP/IP Protocol** to open the *TCP/IP Properties* window.
5. Type in the **IP Address** (e.g. 192.9.100.2) and the **Subnet** (e.g. 255.255.255.0) for the Lotem PC Controller and then click **OK** twice.
6. Launch the application by double-clicking the **Lotem** application icon.
7. Verify that the system executes the startup sequence.

Defining the IP Address on the Brisque

1. At the Brisque command prompt, type **smit tcpip**.
2. From the SMIT TCP/IP menu, select **Further Configuration → Network Interfaces → Network Interface Selection → Change/Show Characteristics of Network Interface** to open the *Available Network Interfaces* window.
3. Select **en1** and press **Enter**
4. In the **Internal Address** field type in the **IP address** of the interface board (e.g. 192.9.100.1).
5. In the **Network Mask** field type in the **address** of the Subnet Mask (e.g. 255.255.255.0).
6. Toggle the **Current Status** field to **Up** and then press **Enter**; an **OK** status now appears
7. Press **F10** to exit SMIT.

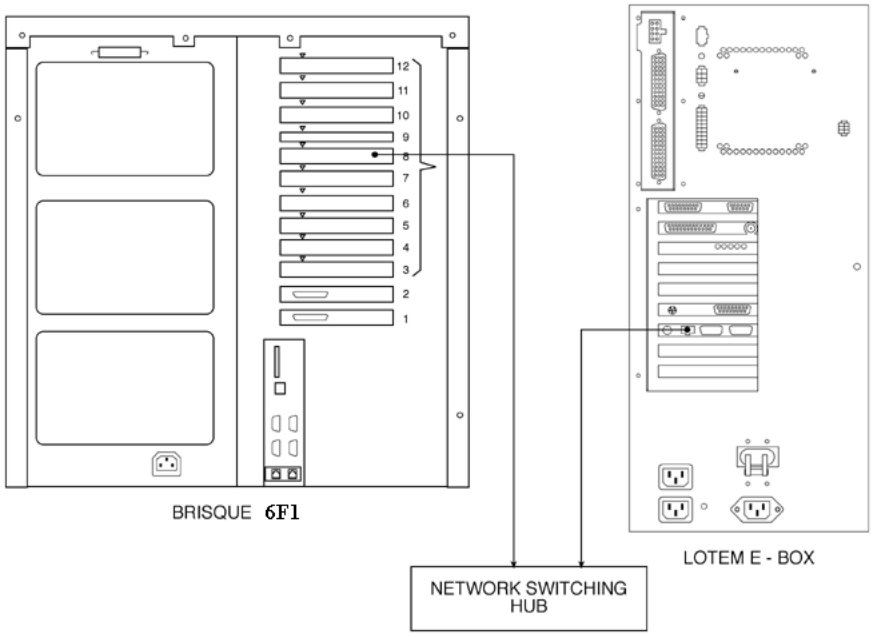
Setting Up TCP/IP Connectivity via the Network (Alternative)

TCP/IP connectivity via the network involves connecting both the Brisque and the Lotem to the site network infrastructure, and consists of the following procedures:

- Connecting the Brisque to the Lotem PC Controller
- Defining the IP Address on the Lotem PC Controller
- Defining the IP Address on the Brisque

Connecting the Brisque to the Lotem PC Controller (Via the hub)

1. Verify that the Brisque is connected to the network via the 10BaseT/100BaseTX Ethernet board in slot #8 (refer to Chapter 1, *Figure 5. 6F1 Rear view on page 12*.)
2. Connect the Lotem PC Controller E-Box network port to the communication network switching hub (refer to figure below).



Brisque/Lotem Network Connections

Defining the IP Address on the Lotem PC Controller

The system administrator should provide the IP address and subnet mask.

To define the IP address on the Lotem PC Controller:

1. Power on the Lotem.
2. In Windows, select **Start** → **Settings** → **Control Panel**. The *Control Panel* window opens.
3. Double-click the **Network** icon to open the *Network* (viewing mode) window.
4. Select the **Configuration** tab and then double-click **TCP/IP Protocol** to open the *TCP/IP Properties* window.
5. Type in the **IP Address** and the **Subnet Mask** for the Lotem PC Controller and then click **OK** twice.
6. Launch the application by double-clicking the **Lotem application** icon.
7. Verify that the system executes the startup sequence.

Defining the IP Address on the Brisque

To define the IP address on the Brisque

Refer to Chapter 1, *Section 1.9.1 Configuring TCP/IP for a Local Station on page 27*.

Verifying the TCP/IP Connection

To verify the TCP/IP connection for both Connection methods:

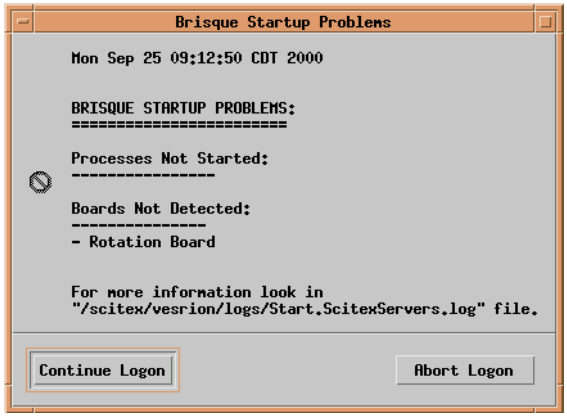
1. From the Launch Pad, open the **Services** sub-panel.
2. Double-click the **Terminal** icon. The *Password* dialog appears.
3. Type **root** in the User field and your password in the Password field (default **ripro**) and then press **Enter**.
4. At the command prompt, type **ping <Lotem PC Controller IP Address>** and check for good connectivity.
5. To stop the ping operation, at the command prompt type **<CTRL C>**.

2.3.4 Verifying the TSP Board Installation

To verify the TSP board installation:

1. Power on the Brisque.
2. At the Console login, type **cdesci**.

   The *Brisque Startup Problems* window appears.



3. Ensure that the TSP board does not appear in the Boards Not Detected list.

2.4 Configuring the Platesetter Devices

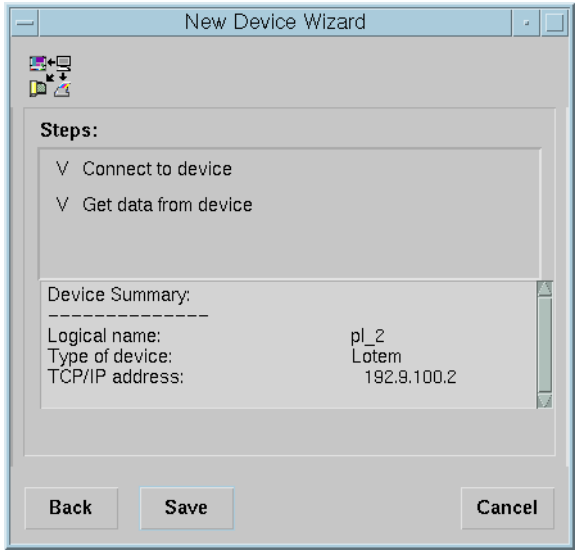
To configure a new Lotem platesetter:

1. In the Output Device Handling window, click **New...**; the new Lotem platesetter window appears.



2. In the Logic Name box, type a **logical name**. From the Device Group list box select **Platesetter**; the Device Family list box should be labeled Lotem. If not, select **Lotem** from the list. In the TCP/IP address box, enter **the address of the Lotem PC** (for example: 192.9.100.2). Select the desired TSP board from the Screen Board list box (TSP0 or TSP1, if two boards are mounted in the Brisque station).

3. Click **Next**. If the selected Screen Board is already in use, a warning dialog is displayed, enabling a halt to allow another board selection. If the configuration is successful a device summary appears.



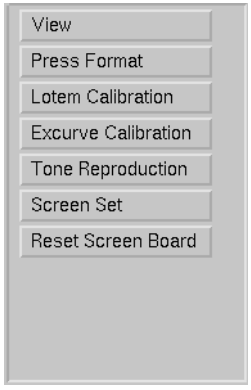
4. Click **Save**, to save the configuration connection; if the connection was successful, a message stating the fact appears for a few seconds, then the connection is displayed in the Output Devices Handling window, under the Lotem icon.

To Reconfigure the Lotem platesetter:

- In the Output Device Handling window, select the **Lotem configuration connection** and click **Reconfigure**; the Brisque re-reads the data from the device and confirms the connection, displaying a confirmation dialog for a few seconds, if the device has been re-connected. Otherwise, a failure message appears.

  In case of failure check the physical connection and the remote device, then try to reconfigure.

2.4.1 The Lotem Platesetter Operations



View

This operation allows the user to view the device parameters, set in the PC controller database.

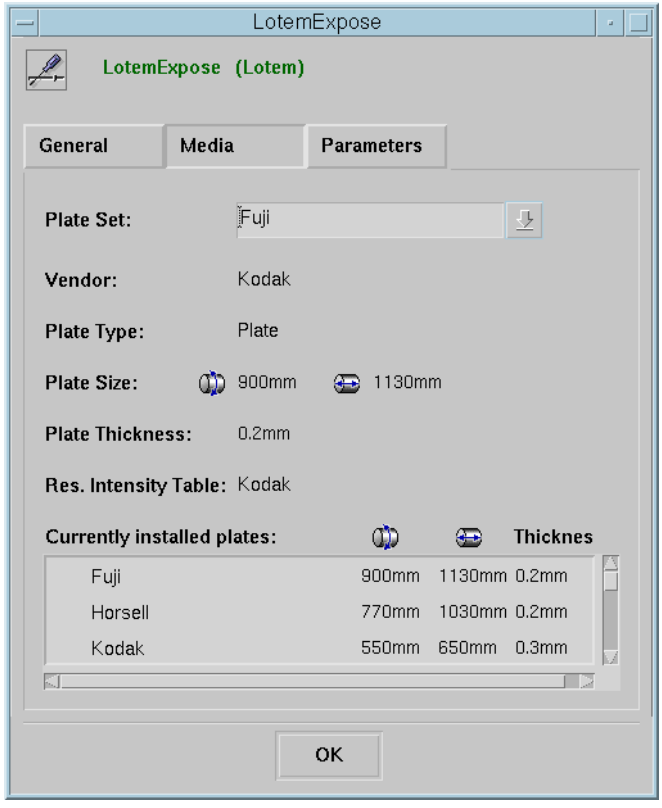
To view the selected Lotem parameters:

1. Click **View**; the Lotem parameters window, containing three tabs, appears.
2. Click the **General** tab; the General tab displays the connection parameters.

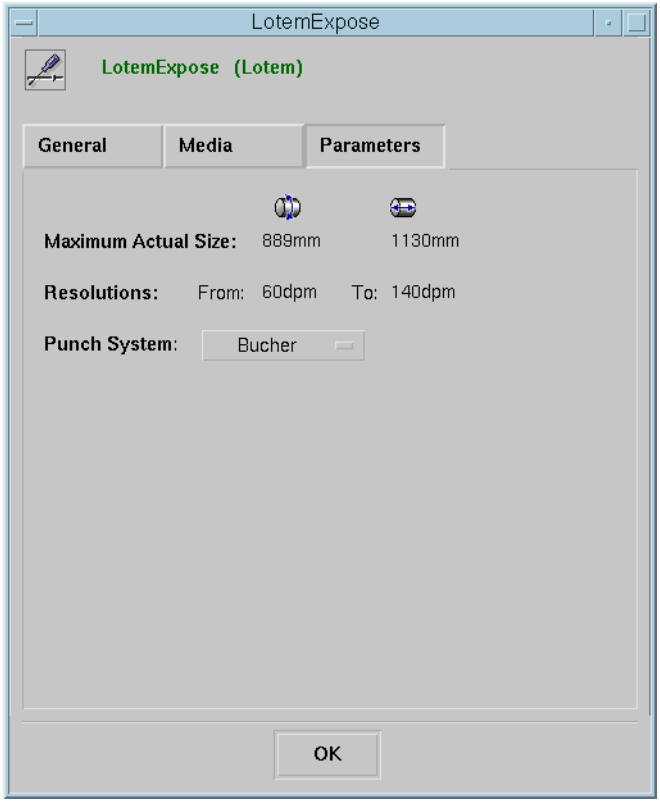


For Lotem Quantum choose both nsp0 and nsp1 screen boards.

3. Click the **Media** tab; the Media tab displays a list of plates set in the connected device, created on the PC controller. The Currently Installed Plates, each plate including sizes and thickness, appear in the text box.



4. Click the **Parameters** tab; the Parameters tab displays exposure parameters such as height, width and resolution of the expose (60-140 dpm), as well as the punch system.



5. Click **OK** to exit.

2.5 Installing the Rotation Board

This section describes how to install the rotation board, which consists of the following procedures:

- Installing the Rotation Board
- Checking the Rotation Board Installation
- Enabling the Rotation Board Operation.

2.5.1 Installing the Rotation Board

During rotation board installation, no extra software or license needs to be installed.

To install the rotation board:

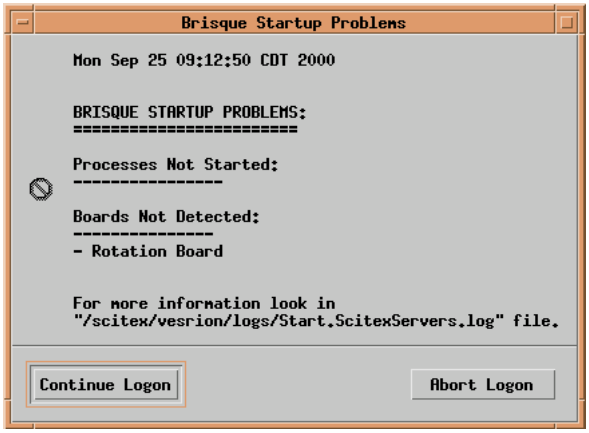
1. Connect the connecting bracket to the component side of the rotation board (refer to the Rotation Board Installation Guide, Cat# 399Z51965A).
2. Shut down the system using the appropriate shutdown commands.
3. Remove the computer covers. Refer to the *6F1 Service Guide, Chapter 9*.
4. Remove the expansion slot cover from Slot # 12 (refer to *Figure 5. 6F1 Rear view on page 12*).
5. Install the rotation board in slot # 3 and ensure that the board is firmly fitted into the slot.
6. Replace the computer cover.
7. Power on the Brisque.

2.5.2 Verifying the Rotation Board Installation

To verify the rotation board installation:

1. At the Console login, type **cdesci**.

   The *Brisque Startup Problems* window appears.



2. Ensure that the rotation board does not appear in the Boards Not Detected list.

If the rotation board appears in the Boards Not Detected list, contact your local service center.

2.5.3 Enabling the Rotation Board Operation

The Rotation Board is enabled by default.

To enable/disable the rotation board:

➢ Go to **scismit** → **Boards** → **Rotation Boards**. Then choose one of the following options:

- Show Status
- Enable Board
- Disable Board.

2.6 Connect the Brisque to a Trendsetter

Please refer to the Brisque to to Trendsetter Direct Connectivity Installation Guide and Workflows, 399Z1R032A.

2.7 Installing a Proofer

This section describes how to install a proofer, which consists of the following procedures:

- Connecting the Proofer
- Verifying the Proofer SCSI ID
- Verifying the Proofer SCSI Connection
- Verifying Proofer Installation via the Iris Controller
- Configuring the Scitex Proofing Zone.

2.7.1 Connecting the Proofer


This option requires a license.

To connect the Proofer:

1. Power off the Proofer and the Brisque.
2. Connect one end of the SCSI cable to the Proofer and the other end to the onboard SCSI [13] (refer to *Figure 5. 6F1 Rear view on page 12* in Chapter 1).
3. Ensure that the Proofer is at the end of the SCSI chain.
4. Power on the Proofer and then power on the Brisque.
5. Verify through SciSMIT that the Proofer appears correctly in the List of Defined Disks, as described in *Section 2.7.3 on page 78*.
6. Connect the remote diagnostics RS232 cable between com1 (refer to *Figure 5. 6F1 Rear view on page 12* in Chapter 1) to the RS232 controller on the Realist.

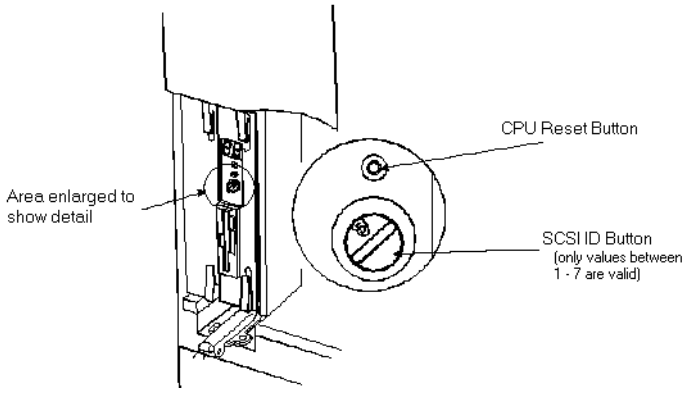
2.7.2 Verifying the Realist SCSI ID

This procedure is applicable to the following proofers:

- Realist
- Realist FX
- Iris 2print
- Iris 4print.

To verify the Proofer SCSI ID:

1. Open the fluids door. The SCSI ID selector dial is located on the CPU module on the left side of the printer above the diskette drive.



The printer is shipped with the default SCSI ID set to 5. If you have other SCSI devices attached to the host (CD-ROM, multiple hard disks, etc.), ensure that they each have a different SCSI ID.

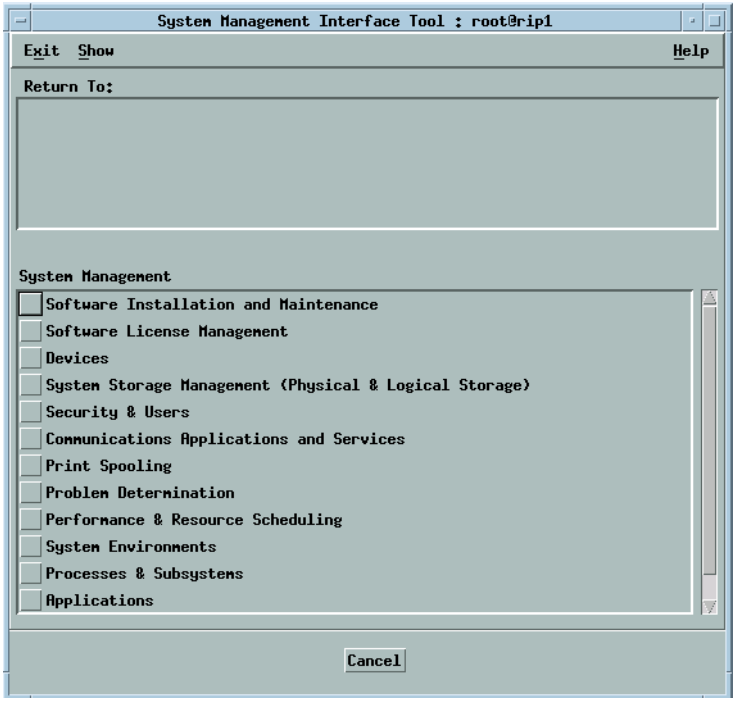
2. To change the SCSI ID, turn the dial to the right or left.

2.7.3 Verifying the Proofer SCSI Connection

To verify the Proofer SCSI connection:

1. Ensure that the Brisque is powered on.
2. From the Launch Pad, open the **Services** sub-panel.
3. Double-click the **SMIT** icon to open the *Password* dialog.
4. Type **root** in the User field and your password in the Password field (default **ripro**) and then press **Enter**.

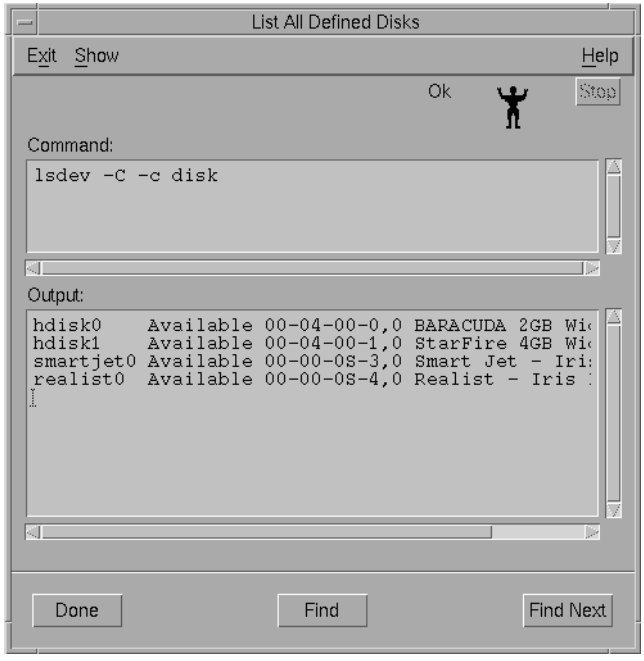
   The *System Management Interface Tool* (SMIT) window appears, displaying the System Management main menu.



5. Select **Devices → List All Defined Disks**.

   The *List All Defined Disks* window appears, displaying all the system's defined disks in the Output area (including the proofers).

In the event that there is a clash of SCSI addresses, the proofers do not appear.

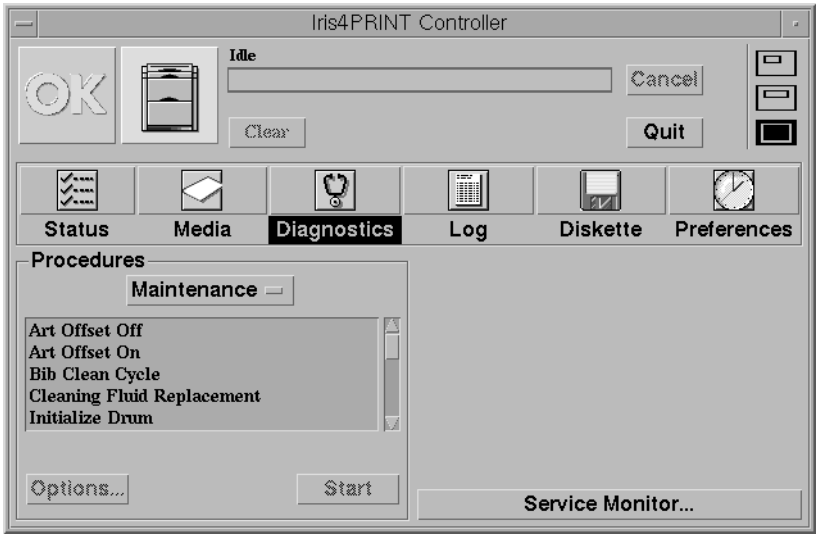


6. Verify that the proofer appears in the Output area.
7. Click **Done** and then click **Exit** to exit SMIT.

2.7.4 Verifying Proofer Installation via the Iris Controller

To verify Proofer installation via the Iris Controller:

1. From the **Launch Pad**, open the Services sub-panel.
2. Double-click the **Iris Controller** icon to open the *Controller* window.



If the proofer is configured properly, the name of the Proofer appears in the header of the Controller window.

If the Iris Controller is not configured properly, a Searching for Printer message will appear.

3. If the Iris Controller is not recognized, do the following:
   - Check the SCSI connections.
   - Shut down the Brisque and then reboot.
   - Repeat Steps 1 and 2.

2.7.5 Configuring the Scitex Proofing Zone

The Scitex Proofing Zone (SPZ) is a color mode that supports ICC profiles created for specific proofers and is part of the color management system for IRIS proofers. The Scitex Proofing Zone uses a database that includes all color information relevant to the IRIS proofers and can be located either on the local Brisque or on a remote Brisque or Mac.

The database must be activated in order to send proofs to an IRIS proofer, and Scitex Proofing Zone configuration enables you to determine where the database will be located.

IMPORTANT: It is important to successfully verify the proofer SCSI connection before configuring the Scitex Proofing Zone (refer to Section 2.6.3, Verifying the Realist SCSI ID).

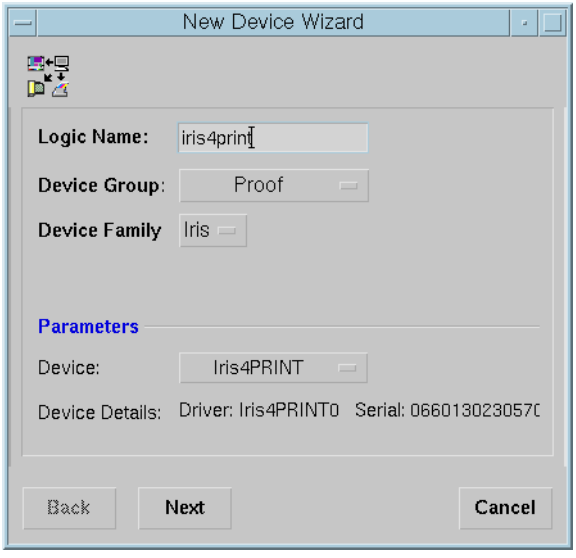
2.7.6 Configuring a New Proof Device

Configuring the Iris Proofer

The Iris proofer is a SCSI connected device. Multiple Iris devices are daisy-chained.

To configure a new Iris proofer:

1. In the Output Device Handling window, click **New...**; the new Iris Proofer window appears.

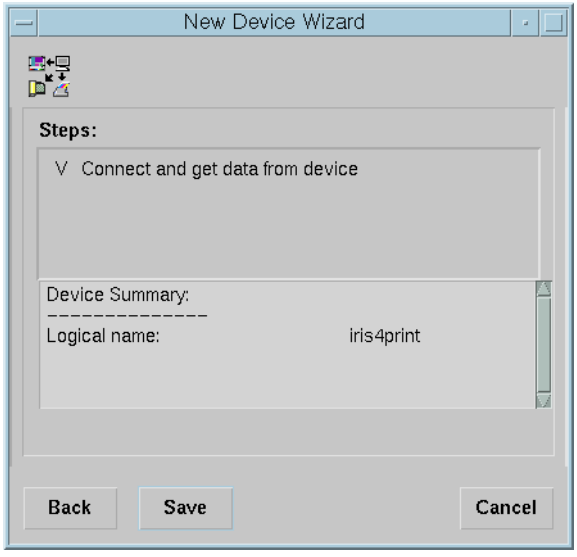


2. In the Logic Name box, type a **logical name**. From the Device Group list box select Proof; the Device Family list box should be labeled Iris. If not, select Iris from the list.

   The proofer transmits the device information as soon as it is physically connected to the Brisque DFE. Once a logical name is entered it can not be removed

3. If more than one device is connected via the SCSI, select a device from the Devices box.

4. Click **Next**; if any problems are encountered with the connecting SCSI a warning dialog is displayed, enabling a halt to allow reconnecting. If the configuration is successful, a device summary appears.



5. Click **Save**, to save the configuration connection; if the connection was successful, a message stating the fact appears for a few seconds, then the connection is displayed in the Output Devices Handling window, under the Proof icon.

To Reconfigure the Iris proofer:

- In the Output Device Handling window, select the **Iris configuration connection** and click **Reconfigure**; the Brisque re-reads the data from the device and confirms the connection, displaying a confirmation dialog for a few seconds, if the device has been re-connected. Otherwise, a failure message appears.

  
  In case of failure check the physical connection and the remote device, then try to reconfigure.

The Iris Proofer Operations

View

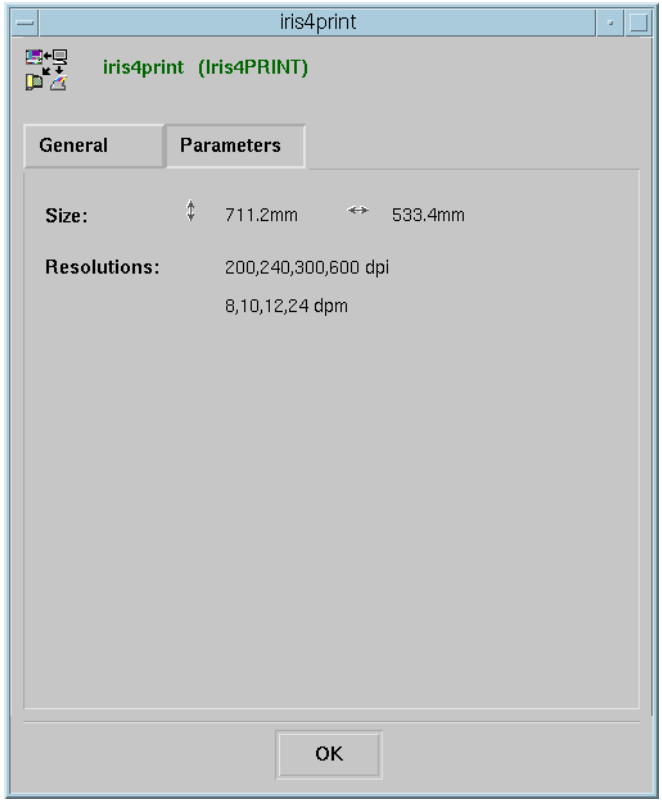
This operation allows the user to view the device parameters, set in the Iris device.

To view the selected Iris parameters:

1. Click **View**; the Iris parameters window, containing two tabs, appears.
2. Click the **General** tab; the General tab displays the configuration parameters.



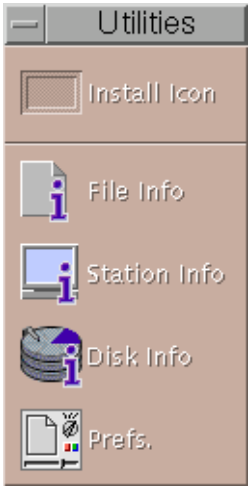
3. Click the **Parameters** tab; the Parameters tab displays proof parameters such as height, width and proof resolution (dpm or dpi).



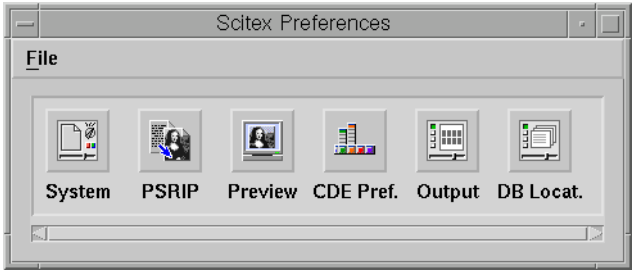
4. Click **OK** to exit.

Configuring the Database

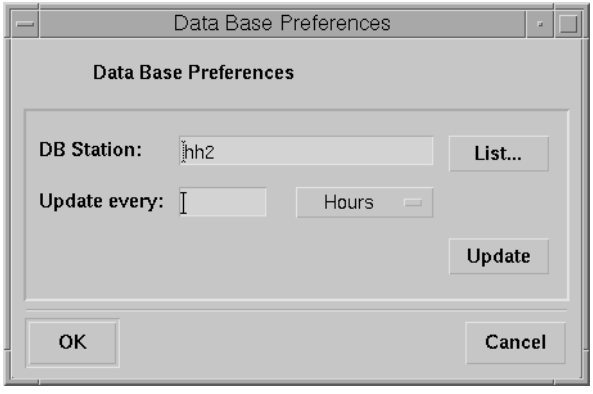
1. From the Launch Pad, click the **File Info** button, and then click the **Prefs** button.



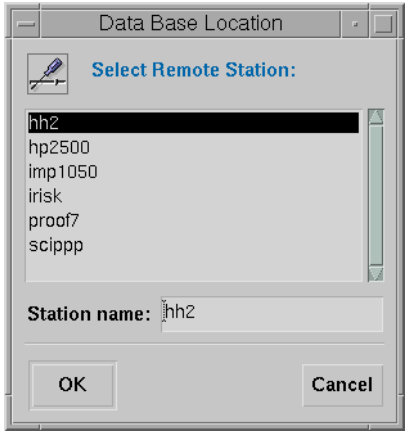
2. In the *Scitex Preferences* window, click the **DB Locat.** button.



The *Database Preferences* window now appears, displaying database configuration parameters.



3. (For first-time configuration) Click the **List** button to open the *Data Base Location* window.



4. Select the database location from the list of connected stations (Brisque or Mac) or type in the location in the Station name field.

   It is recommended to establish the database on the Brisque.

5. Click **OK** to complete the operation. The database is now active.

   For more detailed information, refer to Realist (FX) Proofing Zone for the Brisque, Creo 399Z51048A.

For Proofers not supporting the SPZ:

1. Complete Steps 1 through 6 in the previous procedure.

   For Proofers not supporting the Scitex Proofing Zone (including the SmartJet and the IRIS 3000), once the database location is set, the database is active.

2. Select **OK**. The database is now active.

2.8 Connecting to an Improof via a Parallel Port



This option requires a license.

Connection of the parallel cable (610C10050) between the Improof and the Brisque is described in detail in the Creo Improof Installation and User Guide, Creo 399Z50636B.

2.9 Connecting to an Improof via the Network (TCP/IP)

This section describes how to connect an Improof to the Brisque via the network, which consists of the following procedures:

- Configuring the Improof TCP/IP Parameters
- Configuring the Improof on the Brisque.


This option requires a license.

Before connecting an Improof to the Brisque via the network, ensure that the following requirements are met:

- TCP/IP is configured and running on the Brisque
- TCP/IP is configured and running on the Improof
- Software Version 3.x or higher.

2.9.1 Configuring the Improof TCP/IP Parameters

To view the Improof TCP/IP parameters:

1. From the printer control panel message of Ready or Ready to Plot, press **Enter**.
2. Press the up arrow key until I/O setup appears and then press **Enter**.
3. Press the **up arrow** key until Modular appears and then press **Enter**.
4. After the *Cfg Network=No* message appears automatically, press **Enter**.
5. Press the **up arrow** key to select **Yes** and then press **Enter**.
6. Press the **down arrow** key until Cfg TCP/IP=No appears and then press **Enter**.
7. Press the up arrow key to select **Yes** and then press **Enter**.
8. Press the **up arrow** until BootP=no appears (do not press **Enter**).


If this option appears as BootP=yes, press the up arrow key to select BootP=no and then press Enter.

9. Press the **up arrow** key until IP Byte1=xxx appears and write down Byte 1 of the IP address (see the example below).



Example of how to read the 4 bytes of an IP address (192.9.100.1):

· Byte 1 = 192

· Byte 2 = 9

· Byte 3 = 100

· Byte 4 = 1

10. Press the **up arrow** key three additional times and write down Byte 2, Byte 3, and Byte 4 as they appear.

11. Continue to press the **up arrow** key and write down Bytes 1, 2, 3, and 4 for each of the following:

- Subnet Mask (SM)
- Log Server (LG)
- Default Gateway (GW).

12. Press the **Previous** key three times until the Ready status appears.

2.9.2 Configuring the Imposition Proofing Devices

Configuring the Imposition Proofer

To configure a new Imposition proofer:

1. In the Output Device Handling window, click **New...**; the new Imposition Proofer window appears.



2. In the Logic Name box, type a **logical name**. From the Device Group list box select **Improof**. From the Device Family list box select a family. Click the button on the right side of the Device Model list box. Drag and select a model.
3. Click the **Parallel Port** or **TCP/IP** radio button to select a data communication method; if the TCP/IP option was selected, enter the address of the device in the address box (for example: 192.9.100.2).

   The Parallel Port is a direct connection.

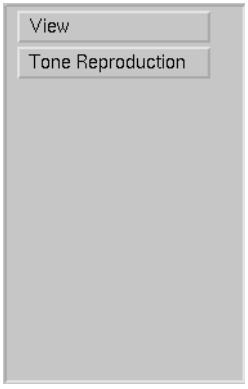
4. Click **Next**; if the configuration is successful a device summary appears.
5. Click **Save**, to save the configuration connection; if the connection was successful, a message stating the fact appears for a few seconds, then the connection is displayed in the Output Devices Handling window, under the Improof icon.

To reconfigure the Imposition proofer:

- In the Output Device Handling window, select the **Imposition configuration connection** and click **Reconfigure**; the Brisque re-reads the data from the device and confirms the connection, displaying a confirmation dialog for a few seconds, if the device has been re-connected. Otherwise, a failure message appears.

  In case of failure check the physical connection and the remote device, then try to reconfigure.

The Imposition Proofer Operations



View

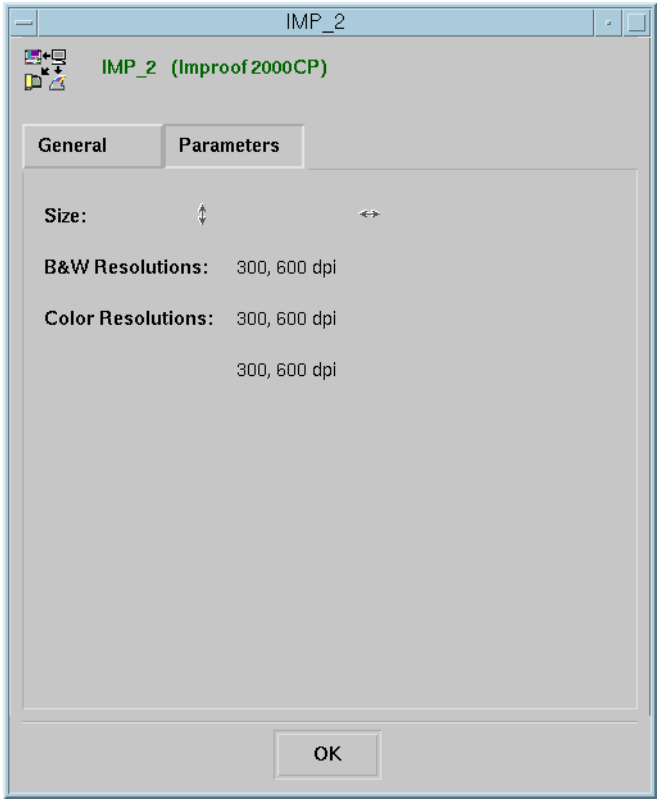
This operation allows the user to view the device parameters, set in the PC controller database.

To view the selected Imposition proofer parameters:

1. Click **View**; the proofer parameters window, containing two tabs, appears.
2. Click the **General** tab; the General tab displays the configuration parameters.



3. Click the **Parameters** tab; the Parameters tab displays color and B&W resolution.



4. Click **OK** to exit.

2.10 Configuring the KodakXP4 as a Halftone Proofer

This section describes how to configure the KodakXP4 Proofer on the Brisque, which consists of the following procedures:

- Verifying the IP Address on the NT Server
- Configuring the KodakXP4 on the Brisque.

Before configuring the KodakXP4, ensure that the following requirements are met:

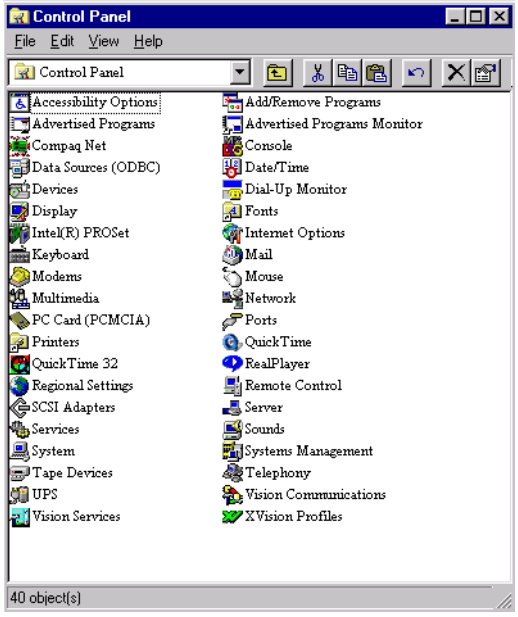
- TCP/IP is configured and running on the Brisque
- TCP/IP is configured and running on the KodakXP4 NT server
- The KodakXP4 application is open and running on the NT server
- The TSP board is installed on the Brisque (refer to Section 2.2, Connecting an Imagesetter Using the TSP Board)
- The software version on the Brisque is 3.x or higher.

2.10.1 Verifying the IP Address on the NT Server

To verify the IP address on the NT server:

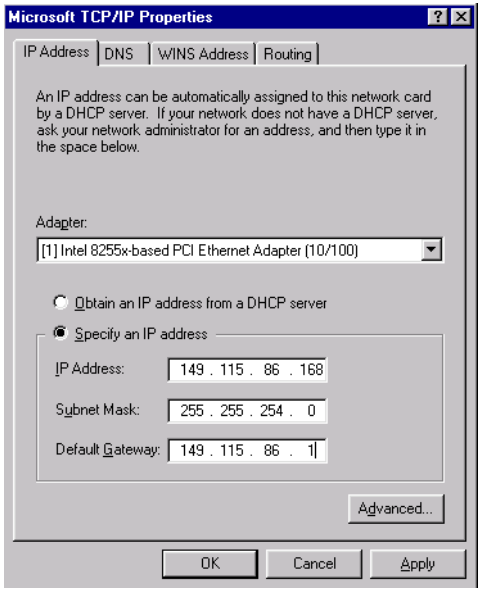
1. In Windows NT, select **Start → Settings → Control Panel**.

   The Control Panel window appears.



2. Double-click the Network icon to open the Network (viewing mode) window.

3. Select the Protocols tab and then double-click on TCP/IP Protocol to open the TCP/IP Properties window.

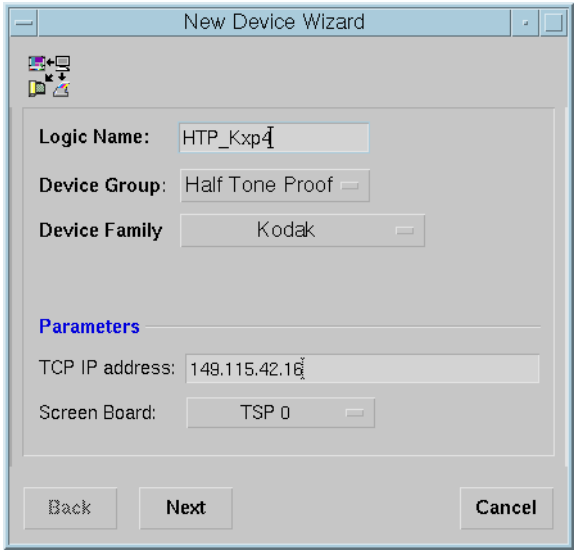


4. From the IP Address tab, write down the IP Address for future reference.
5. Click Cancel twice to exit from the network settings.

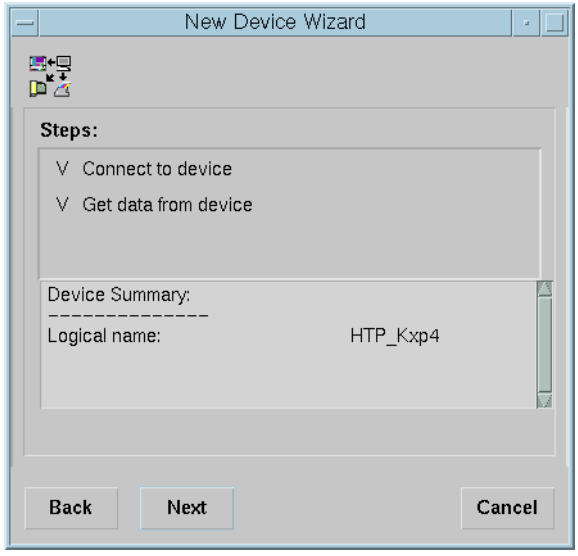
2.10.2 Configuring the Kodak XP4 as a Half Tone Proofer

To configure a new Kodak XP4 half tone proofer:

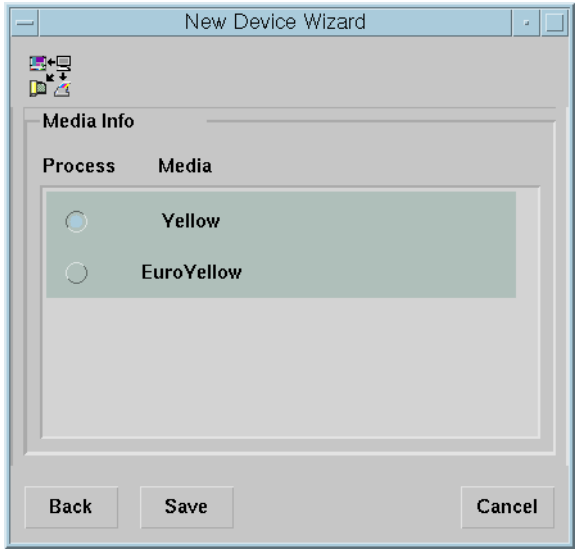
1. In the Output Device Handling window, click **New...**; the following window appears.



2. In the Logic Name box, type a **logical name**. From the Device Group list box select **Half Tone Proof**; the Device Family list box should be labeled Kodak. If not, select **Kodak** from the list. In the TCP/IP address box, enter the address of the device (for example: 192.9.100.2). Select a TSP board from the Screen Board list box (TSP0 or TSP1, if two boards are mounted in the Brisque station).
3. Click **Next**; if the selected Screen Board is already in use, a warning dialog is displayed, enabling a halt to allow another board selection. If the configuration connection is successful a device summary appears in the New Device Wizard window.



4. Click **Next**; the following window appears. If in addition to the basic four process colors more colors are included in the donor group, a selection must be made between conflicting default colors. Only the conflicting colors are displayed.



IMPORTANT: Only four process colors are used to comprise the image (CYMK). Kodak provides several variations for the basic colors; Euro Yellow, Euro Cyan and Euro Magenta.

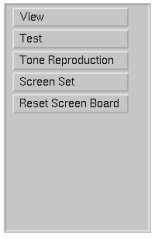
5. Choose between the conflicting process colors (for example: between Yellow and Euro Yellow). Click **Save**, to save the configuration; if the configuration connection was successful, a message stating the fact appears for a few seconds, then the connection is displayed in the Output Devices Handling window, under the Kodak icon.

To Reconfigure the Kodak XP4 half tone proofer:

- In the Output Device Handling window, select the **Kodak XP4 configuration connection** and click **Reconfigure**; the Brisque re-reads the data from the device and confirms the connection, displaying a confirmation dialog for a few seconds, if the device has been re-connected. Otherwise, a failure message appears.

  In case of failure check the physical connection and the remote device, then try to reconfigure.

The Kodak XP4 Half Tone Proofer Operations



View

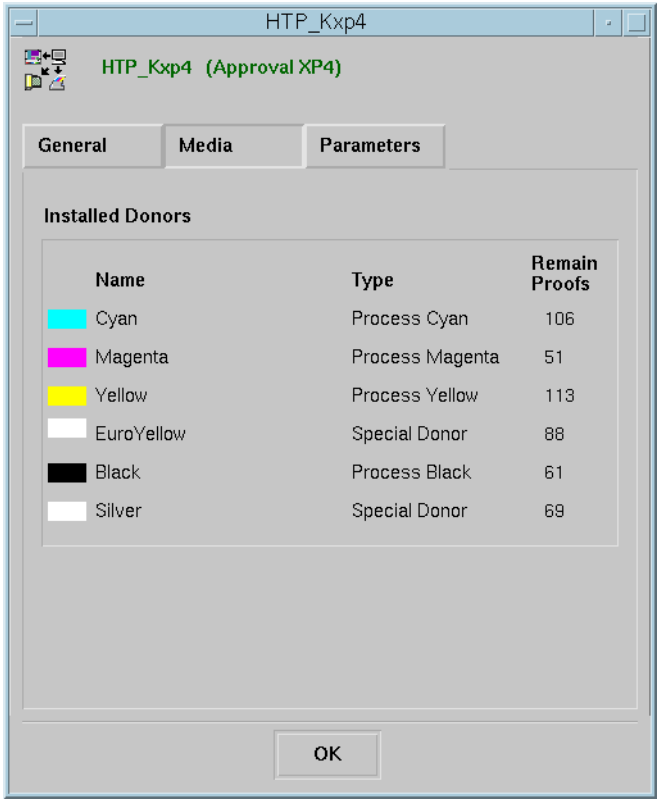
This operation allows the user to view the device parameters, set in the PC controller database.

To view the selected Trendsetter Spectrum parameters:

1. Click **View**; the Trendsetter Spectrum parameters window, containing three tabs, appears.
2. Click the **General** tab; the General tab displays the configuration parameters.



3. Click the **Media** tab; the Media tab displays all the available donors, including the additional colors.



4. Click the **Parameters** tab; the Parameters tab displays exposure parameters such as height, width and resolution.



5. Click **OK** to exit.

Chapter 3

Brisque 4.0 Cold Start Installation

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Reconstructing the Passwords 142

3.1 Read Me First

The Cold Start installation procedures described in this chapter should be performed only for troubleshooting purposes or after replacing a system disk.



Caution: Performing a complete Cold Start installation will erase all configuration parameters - see *Section 3.2.4 Saving the Configuration Files to a Data Volume on page 109* and *Section 3.4.1 Restoring Configuration Files from Data Volume on page 120*.

New Brisque system is supplied with factory-installed Brisque software, licenses, and passwords. In addition, a Password Backup Diskette and a sticker, which contains written passwords, are supplied with the system.

3.2 Preparing for Cold Start Installation

3.2.1 Saving the Fonts Library

To save the fonts library:

1. From the Brisque *Launch Pad*, double-click the **Fonts** icon to open the *Font Handling* window.
2. Click the **All** button to select all the fonts.
3. Click the **Backup** button to open the *Font Management* window.
4. Select a directory. The backup program will automatically create a directory named **psfonts**.

   Select **/dataVolumes/hostname1.0**. This process will take about a minute to execute depending on the number of fonts.
5. Click **OK** in the *Font Management* window.
6. Click **Exit** in the *Font Handling* window.

3.2.2 Noting the Filesystem Size

To note the filesystem size:

1. From the Brisque *Launch Pad*, open the *Utilities* panel.
2. Select **Disk Info**, then **System Wide**.
3. Write down the total size of the */markers* and */psfonts* filesystems.



For the Brisque ver 4.0 the */markers* filesystem increases from 48MB to 104MB, and the */psfonts* filesystem increases from 56MB to 120MB.

3.2.3 Updating a Password Backup Diskette

Make sure your Password Backup Diskette is up-to-date, otherwise you should update it.

This operation backs up the Creo passwords, the Helios activation key, the NatFX and TransferPro (DIT) licenses and must be performed whenever there is a licensing change.

To update/create a password backup diskette:

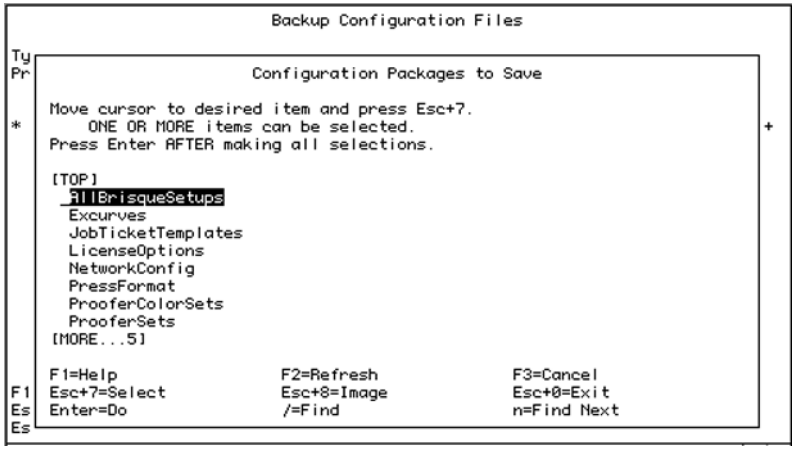
1. Logout from the Creo application and login as **root**.
2. Insert a new UNIX formatted diskette or the supplied Password Backup Diskette into the floppy drive.

   Make sure that the diskette is write enabled.

3. At the command prompt, type **scismit** and then press **Enter**.
4. From the *SciSmit* main menu, select **Backup and Restore** => **Manual Backup and Restore** => **Configuration Backup and Restore** => **Save Configuration to Diskette**.

   The *Back Up Configuration Package(s) to Save* window appears.

5. Press **F4**; a list of options appears in the *Configuration Packages to Save* popup window.



6. Select **LicenseOptions** from the list and then press **Enter**.
7. Press **Enter** to start the operation.

The *Command Status* window displays an **OK** status upon completion.

8. Select **F10** to exit *SciSmit*.
9. Remove the diskette from the diskette drive.

3.2.4 Saving the Configuration Files to a Data Volume

To save the configuration files to a data volume:

1. At the command prompt, type **scismit** and then press **Enter**.
2. From the *SciSmit* main menu, select **Backup and Restore => Save and Restore Configuration to Data Volume => Save Configuration to Data Volume**.
3. The *Are You Sure?* popup window appears. Press **Enter** to start the operation.

   The *Command Status* window displays an **OK** status upon completion.

   Note: If a failed status is returned, you can scroll through the screen to locate the reason for the failure. In most cases, it is due to a missing DIT password (TransferPro), missing APR path, or missing license. In any case, the configuration is completely saved and can be restored.

4. Select **F10** to exit *SciSmit*.

3.2.5 Pre-Installation Checklist

Before commencing the Cold Start installation, ensure that you have the following items:

☑ Creo Brisque Distribution Media: Installation Diskette

☑ Creo Brisque Distribution Media: AIX 4.3.3 Base Operating System CD

☑ Creo Brisque Distribution Media: AIX Add-On CD

☑ Creo Brisque Distribution Media: Brisque Product CD (1 of 2)

☑ Creo Brisque Distribution Media: Brisque Product CD (2 of 2)

☑ Creo Brisque Distribution Media: Additional Product CD (The Asian and Japanese fonts)

In addition, the following Brisque station settings should be written down for easy reference during the installation procedure:

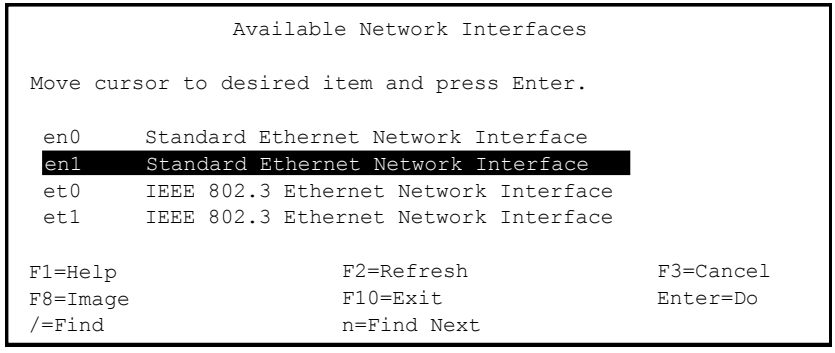
☑ Hostname

☑ TCP/IP Settings

To note the Hostname and the TCP/IP settings:

1. At the command prompt, type **smit tcpip** and then press **Enter**; The *TCP/IP* window appears.
2. Select the **Minimum Configuration & Startup** option.

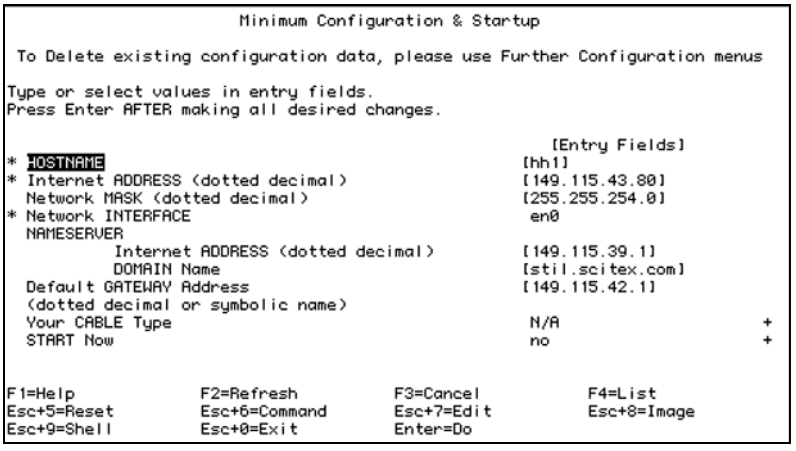
   The *Available Network Interfaces* window appears.



3. Select the appropriate interface, as follows:

Brisgue E-30	en 0
Brisgue 43P-140	en 1
Brisgue 43P-150	en 0
Brisque F-50	en 1
Brisque 44P-170	en 0
Brisque 6F1	en 0

   The *Minimum Configuration & Startup* window appears.



4. Write down the following settings:
   - Hostname
   - Internet ADDRESS
   - Network MASK
   - NAMESERVER

     - Internet ADDRESS

     - DOMAIN Name
   - Default GATEWAY address
5. Press **F10** to exit *SMIT* and then proceed to the next section.

3.3 Cold Start Installation

The Brisque Cold Start installation procedure includes the following steps:

- Installing AIX
- Installing AIX Add-On software
- Installing Brisque software
- Installing additional software (Asian and Japanese fonts).

3.3.1 Installing AIX

To install AIX:

1. Shut down the Brisque and power off all peripheral devices.
2. Insert the *FD#1: Installation Diskette* into the floppy drive. **Do not remove diskette until the end of the Cold Start procedure.**



Before powering on the Brisque, read carefully steps **4** and **5**. Then proceed to step 3.

3. Power on the Brisque, the Brisque *Power On* LED lights up.
4. Insert the *CD#1: AIX 4.3.3 Base Operating System CD* into the CD-ROM drive.

   The Brisque initiates POST (Power On Self Test) and the progress codes are displayed on the panel LCD. During the POST, the following five initialization indicators appear as icons across the bottom of the display: Keyboard, Diskette, Memory Module, SCSI and Disk Boot.

   Step 5 must be performed before the last indicator appears, otherwise you will have to power off and power on the Brisque.

5. To start the boot from the CD-ROM:

   For the 6F1 platform: Press **5**.

   For all other platforms: Press **F5**.

Note: Remember to leave the front door **open** since the CD-ROM drive opens automatically after the reboot.

6. After about two minutes, installation begins and the following message appears on your console.

   ********Please define the System Console********

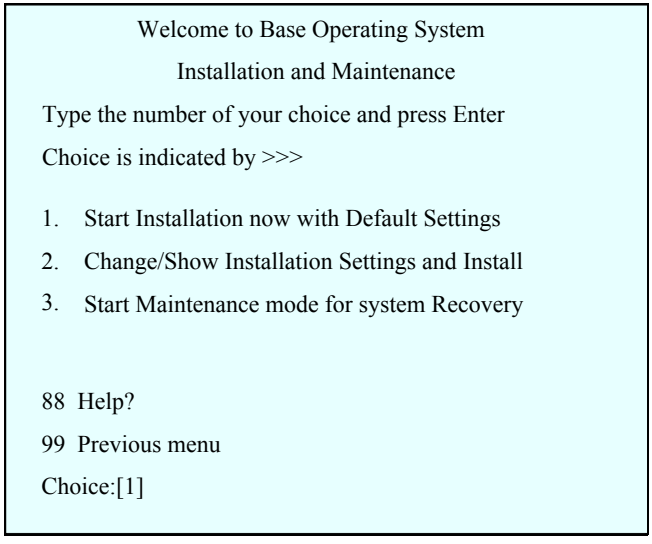
   Type the F1 key and press Enter to use this display as the system console

7. Press **F1** and then press **Enter**. The following message now appears on the screen:

   Type 1 and press Enter to have English used during the installation

8. At the **Choice** prompt, press **Enter** to confirm the default selection **[1]**. This ensures that English will be used during the installation.

   The *Installation and Maintenance* window appears.



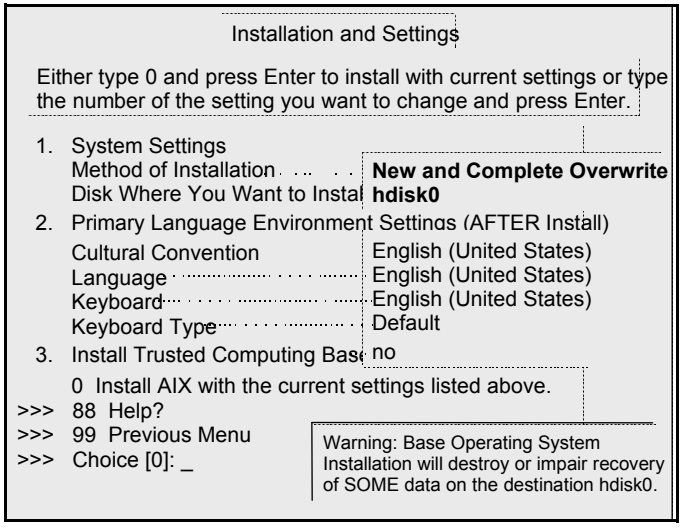
9. Type **2** and then press **Enter** to open the *Installation and Settings* window, which displays the default installation settings for the system.

10. Type **1** and then press **Enter** to open the *Change Method of Installation* window.

11. Type **1** and then press **Enter** to select **New and Complete Overwrite** and to open the *Change Disk(s) Where You Want to Install* window.

12. Make sure the **hdisk0** is the only option that can be selected (**>>> 1. hdisk0...**), then press **Enter**.

    The *Installation and Settings* window appears, displaying the method of installation as **New and Complete Overwrite** and the disk where you want to install as a **hdisk0**.



13. Press **Enter** to begin the installation with the current settings.

    This process takes approximately 25 minutes to complete. During this time, a progress indicator appears on the screen, and lists of the installed LPPs are scrolled across the screen.

14. Upon completion, the system reboots, and the *PowerPC Startup* screen appears again, displaying the object indicators and the following message:

    Starting Software... Please wait

15. After the **BOS** (Base Operating System) is installed, the **CD#1** is automatically ejected.



Note: If the *FD#1: Installation Diskette* is not in the diskette drive or is damaged, or if the diskette drive is damaged, the *CD#1: AIX 4.3.3 Base Operating System CD* will **not** be automatically ejected.

This indicates that, due to a failure relating to the diskette **CD#1** (and/or drive), AIX has not been completely installed.

Before proceeding:

1. Check that the *FD#1: Installation Diskette* is inserted into the diskette drive.

2. Verify that the diskette drive is not malfunctioning and/or that the diskette is not defective.

3. If you continue to experience problems, contact your local service center.

The following message appears on the screen:

```
**************************************************

AIX BOS (Base Operating System) is installed.
Please remove 'AIX BOS' CD
Please insert 'AIX ADD-ON' CD and press Enter to continue...

**************************************************
```

Proceed with AIX Add-On installation described in the next section.

3.3.2 Installing AIX Add-On Software

1. Insert the *CD#2: AIX Add-On CD* into the CD-ROM drive and press **Enter**.
2. Answer the questions that appear on the screen:

Product Type

1) Brisque

2) BrisqueServer

Please choose the product type [] >>

Enter **1**.

Product Type: Brisque

Please confirm [y/n] >> [y]

Press **Enter**.

Please enter the Station Name >>

Enter your station, for example **brisque4**.

Station Name: brisque4

Please confirm [y/n] >>[y]

Press **Enter**. The following message appears:

Please wait...

Station Name: brisque4

Do you want to format All your data disks? [y/n] >>[n]

Press **Enter**. The following message appears:

Configure Data Disks: no



Selecting **Yes** will erase all the data volumes and the configuration files.

Current Date and Time

Time Zone:WET(CUT+2)Daylight Savings Time is not used
Date: September 13, 2000
Time: 10:24:56

Do you want to change them? [y/n] >> [n]

Press **Enter**.

Product Type: Brisque
Station Name: brisque4
Time Zone:WET(CUT+2)Daylight Savings Time is not used
Date: September 13, 2000
Time: 10:27:36
Configure Data Disks: no

Please confirm the above settings [y/n] >>

Enter **y**.

The following message displays:

Installation in Progress Please wait...

The AIX Add-On installation takes up to 20 minutes to complete. During this time, lists of the installed LPPs appear on the screen.

Upon completion, the CD#2: AIX Add-On CD is automatically ejected and the following message appears on the screen:

****

AIX Add-Ons CD is installed.
Please remove 'ADD-ON' CD.
Please insert Brisque CD and press Enter to continue...

****

3. Remove the *CD#1: AIX 4.3.3 Base Operating System CD*.

Proceed with the Brisque software installation as explained in the next section.

3.3.3 Installing the Brisque Software

1. Iinsert the "Brisque Product 1 - 4.0.97" (1 of 2) CD and then press **Enter**.

   This process takes approximately 25 minutes to complete. Remember to leave the front door open since the CD will automatically be ejected after the reboot.



Please be aware that during the process the screen will switch to a save mode. Press the space bar to refresh the screen.

   When ready, the following message appears on the screen:

****
Please insert "Brisque Product 2" CD and press Enter to continue...
****

2. Remove the "Brisque Product 1 - 4.0.97 (1 of 2)" CD from the drive and insert the "Brisque Product 2 - 4.0.97 (2 of 2)" CD and then press **Enter**.

   This process takes approximately 5 minutes to complete. Upon completion the system will reboot.

   After reboot the system will automatically restore the V3 saved configuration, migrate it to V4 configuration and then reboot (this process may vary according to "Save Config." size.
   After reboot the Console login appears:

   AIX Version 4
   (c) Copyrights by IBM and others 1982, 1996
   Console login:

3. Remove the "Brisque Product 1 - 4.0.97 (2 of 2)" CD.
4. Eject the *FD#1: Installation Diskette*.

The Brisque software is now loaded and ready for login or configuration.

Important: Load any required Brisque software updates, according to your software version. Refer to the Creo e-Central site for more information about the required updates.

3.3.4 Installing Additional Software (Asian and Japanese Fonts)

This procedure is described in *Section 3.8 Installing Additional Software (Asian and Japanese Fonts) on page 141*.

Proceed with configuring the Brisque after a Cold Start described in the next section.

3.4 Configuring Brisque with Saved Configuration

This section describes how to configure the Brisque after performing a Cold Start installation without upgrading from an earlier version to a later version. The configuration procedure consists of the following steps:

- Restoring the configuration files from a data volume after a Cold Start installation
- Setting up the modem
- Setting the filesystem size
- Restoring the Fonts Library

Important: You can restore configuration files from a data volume only if you have first saved the configuration files to a data volume, as described in *Section 3.2.4 Saving the Configuration Files to a Data Volume on page 109*.

3.4.1 Restoring Configuration Files from Data Volume

Important: Do not perform this procedure if you performed a Cold Start installation from an earlier version to a later version.

To restore the configuration files from a data volume:

1. Login as **root**.The *Networking S/W Products Installer & Setup* window appears.

```
        Networking S/W Products Installer & Setup V2.2
        ----------------------------------------------

        1)      Easy Install (Date & TCP/IP & EtherShare)
        2)      TCP/IP Install & Setup
        3)      EtherShare Install & Setup
        4)      Start EtherShare
        5)      Stop EtherShare now
        6)      Display Zones
        7)      Display Network
        8)      Open AIX shell
        9)      Quit

* Option (1-9)  ? [1]
```

2. Type **9** and then press **Enter** to exit from the window.
3. At the command prompt, type **scismit** and then press **Enter**.
4. From the *SciSmit* main menu, select **Backup and Restore** => **Save and Restore Configuration to Data Volume => Restore Configuration from Data Volume** and press **Enter**.
5. Press **F4** and select **ALL Brisque Setups**, then press **Enter**.
6. Press **Enter** and then press **Enter** again in response to the *Are you sure* popup window.

   The *Command Status* window appears, displaying an **OK** status for a successful restore operation.
7. Select **F10** to exit *SciSmit*.

3.4.2 Setting the Filesystem Size

Important: Perform this procedure only if the filesystems' size noted before Cold Start (see *page 109*) is:

- */markers* - bigger than 104MB.
- */psfonts* - bigger than 120MB.

To set the */psfonts* and */markers* filesystem size:

1. From the *SciSmit* main menu, select **Devices** => **File Systems** => **Increase File System**.
2. To increase the filesystem size, enter the values you noted before the Cold Start installation (see *page 107*).

3.4.3 Setting Up the Modem

Ensure that the modem is properly connected (COM2), then power on the Modem and the Brisque (Power up the Brisque, refer to *Section 1.7 Powering Up the Brisque on page 25*).

To Configure the Modem:

1. At the Console login, type **root** and enter your password (default **ripro**) and then press **Enter**.
2. At the command prompt, enter:

   # **cd /scitex/version/utils/modem**

   # **new_inst_modem com2**

This script automatically installs and enables the modem.

3.4.4 Restoring the Fonts Library

To restore the fonts library:

1. From the Brisque *Launch Pad*, double-click the **Fonts** icon to open the *Font Handling* window.
2. Click the **All** button to select all the fonts.
3. Click the **Restore** button to open the *Font Management* window.

4. Browse to the **psfonts** directory (this directory should be located under the */dataVolumes/hostname 1.0*).
5. Click **OK**. The *Restore* window displays a list of all fonts.
6. Click the **All** button to select all the fonts.
7. Click **OK** and then click **Exit** in the *Font Handling* window.

3.5 Configuring Brisque After w/out Saved Configuration

This section describes how to configure the Brisque after a Cold Start installation, without restoring configuration from the data volumes. The configuration procedure consists of the following steps:

- Restoring passwords from the Password Backup Diskette.
- Networking installation and setup using the Easy Install method.

3.5.1 Restoring Passwords from the Password Backup Diskette

To restore passwords from the Password Backup Diskette:

1. At the Console login, type **root** and enter your password (default **ripro**). The *Networking S/W Products Installer & Setup* window appears.
2. Type **9** and then press **Enter** to exit from the window.
3. Insert the Password Backup Diskette into the diskette drive.

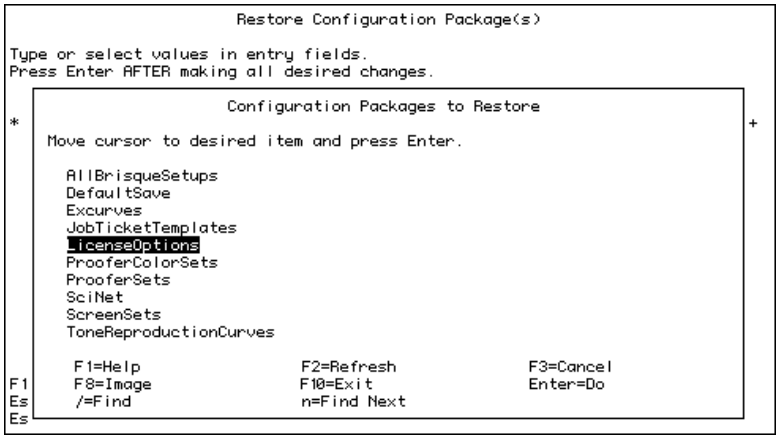
   

   This operation restores the Creo password, the Helios activation key, and the NatFX and TransferPro (DIT) licenses (passwords).

   For all Cold Start operations or when configuring the Brisque for the first time, the passwords must be restored (enabled).

4. At the command prompt, type **scismit** and then press **Enter**.
5. From the *SciSmit* main menu, select **Backup and Restore => Manual Backup and Restore => Configuration Backup and Restore => Restore Configuration from Diskette** and then press **Enter**.

The *Restore Configuration Package(s)* window appears.



6. Select the **Configuration Package to Restore** option and then press **F4**; a list of options appears in the *Configuration Packages to Restore* popup window.
7. Select **LicenseOptions** from the list and then press **Enter**. The *Are You Sure?* popup window appears.
8. Press **Enter** to complete the operation; the *Command Status* window appears, displaying an **OK** status for a successful restore operation.
9. Select **F10** to exit *SciSmit*.
10. Eject and remove the Password Backup Diskette from the diskette drive.

3.5.2 Networking Installation and Setup Using Easy Install

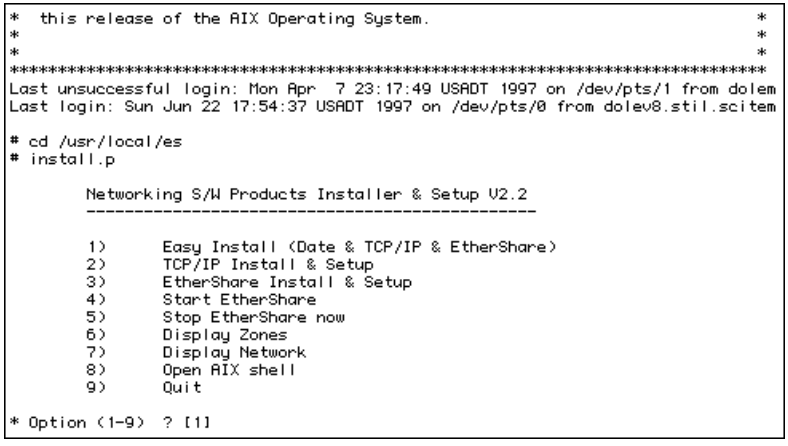
This section describes how to manually set up the network using the Easy Install method and contains the following procedures:

- Accessing the Installer Menu
- Configuring the Date/Time
- TCP/IP Installation and Setup
- EtherShare Installation and Setup
- Configuring TCP/IP for a Remote Station (Host Table)
- Verifying TCP/IP Installation

Accessing the Installer Menu

1. At the command prompt, type **cd /usr/local/es** and then press **Enter**.
2. Then type **install.p** and press **Enter**.

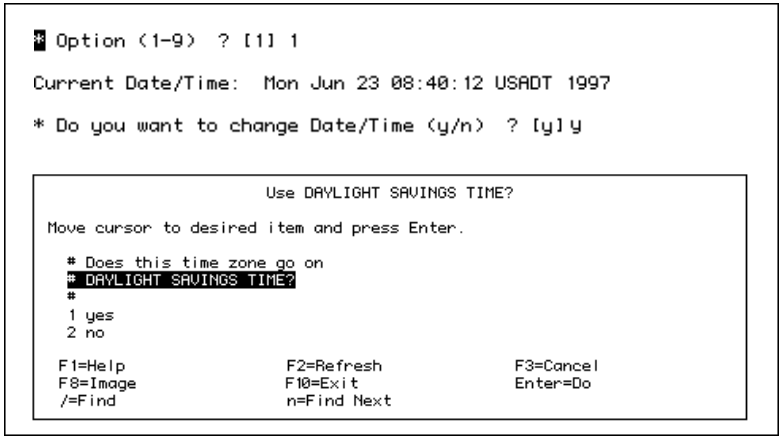
   The *Networking S/W Products Installer & Setup* window appears.



Configuring the Date/Time

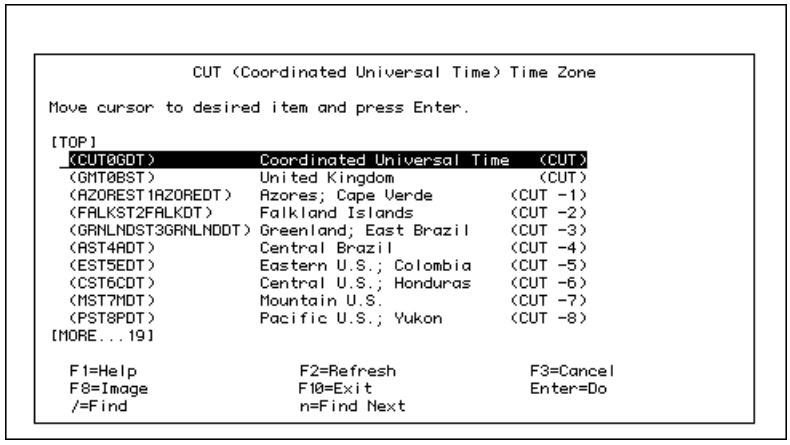
1. Access the *Installer* menu, as described earlier.
2. Type **1** to select the **Easy Install (Date & TCP/IP & EtherShare)** option and then press **Enter**.
3. At the **Current Date/Time** option, type **y** and then press **Enter**.

   The *Use Daylight Savings Time?* window appears.



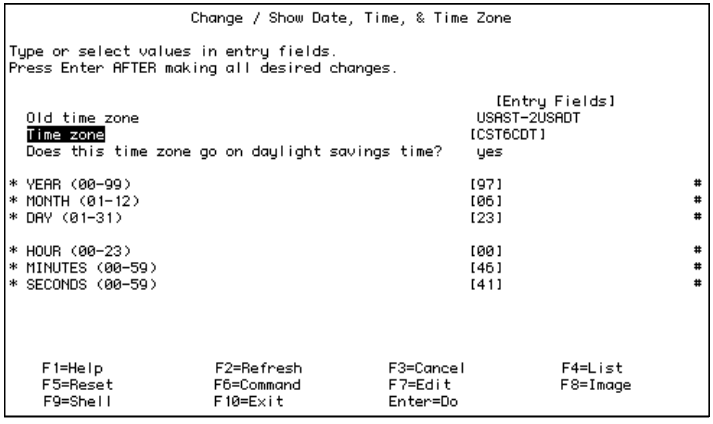
4. Select the **DAYLIGHT SAVINGS TIME? (1 yes/ 2 no)** option, in accordance with the rest of the computers (including Mac and PC) on the network, and then press **Enter**.

   The *CUT (Coordinated Universal Time) Time Zone* window appears.



5. Select the appropriate time zone and then press **Enter**.

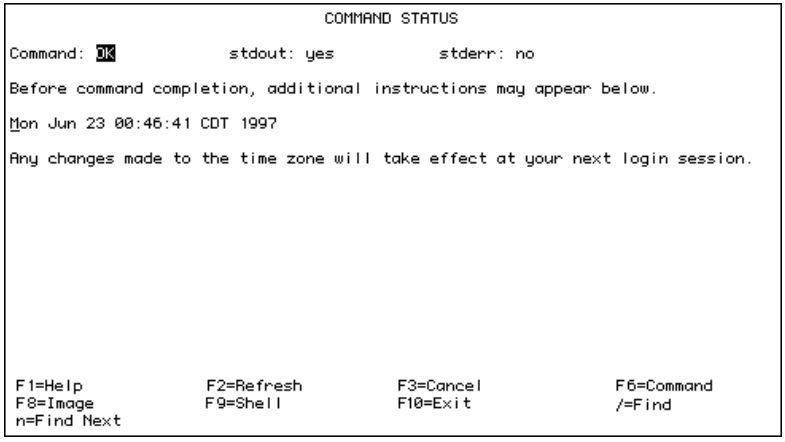
   The *Change/Show Date, Time & Time Zone* window appear



6. If the default values in the various fields are correct, press **Enter** to complete the operation.

7. If some values need to be changed, change each value accordingly and then press **Enter** to complete the operation.

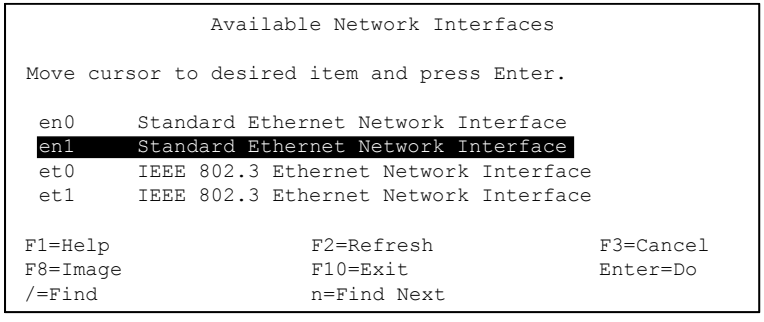
8. The *Command Status* window appears, displaying an **OK** status for a successful operation, and the changes will be reflected at the next login session.



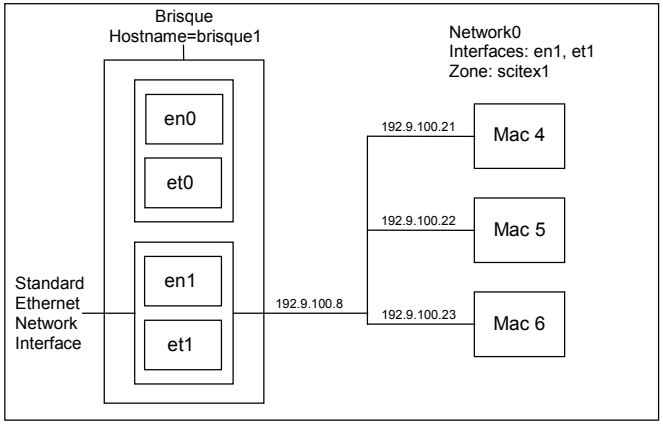
9. Press **F3** to return to the *Installer* menu.

TCP/IP Installation and Setup

1. Access the Network Installer, refer to *Accessing the Installer Menu on page 125.*
2. Type **[2] TCP/IP Install & Setup** and press **Enter**:
   The *TCP/IP* screen appears, with *Minimum Configuration & Startup* highlighted.
3. Press **Enter** to produce the *Available Network Interfaces* list.
   The following screen appears:



- The Brisque model comes with two communication ports - **en0** and **en1**. You must configure the **en1** port for network configuration (en0 can be used for Lotem connectivity).
- If there are other UNIX systems on-site, the Network Administrator will issue the appropriate IP addresses.
- Remove any existing local IP addresses , refer to *Removing a Host on page 137*.



4. The **en1 Standard Ethernet Network Interface** is already highlighted, press **Enter** and use the *Minimum Configuration & Startup* screen to enter the configuration values.

The *Minimum Configuration & Startup* window appears.

```
                    Minimum Configuration & Startup

To Delete exiting configuration data, please use Further Configuration menus.

Type or select values in entry fields.
Press Enter AFTER making all desired changes.

                                                        [Entry Fields]
* HOSTNAME                                             [brisque]
* Internet ADDRESS (dotted decimal)                    [149.115.74.72]
  Network MASK (dotted decimal)                        [255.255.254.0]
  Netword INTERFACE                                    en1
  NAMESERVER
       Internet ADDRESS (dotted decimal)               []
       DOMAIN Name                                     []
  Default GATEWAY Adress                               []
  (dotted decimal or symbolic name)
  Your CABLE Type                                       N/A
  START Now                                             no


F1=Help             F2=Refresh          F3=Cancel           F4=List
Esc+5=Reset         Esc+6=Command       Esc+7=Edit          F8=Image
Esc+9=Shell         Esc+0=Exit          Enter=Do
```

From the network example, the hostname appears as **brisque1**, this name was decided during the **Station Configuration**.



For sites where a configured TCP/IP network already exists (with or without routers), the Site Network Administrator should provide the following network address parameters for each Brisque interface:
IP Address, **Network Mask**, and **Default Gateway Address**.

Refer to section *Appendix A, Creo IP Address Structure Conventions*, if you are using Creo Network IP numbering.

5. Determine the configuration values as follows:

HOSTNAME	The local Hostname is set at the default name (brisque1) at the production line. To change the Hostname refer to **SciSmit => Configure Station => Change Station Name**. **Note:** Do not change the station name from this window.
Internet ADDRESS	Determine the Internet Address of the local station.
Network MASK	An empty Network Mask field indicates that the default Network Mask is being used. The Brisque default IP Addresses belong to Class C, whose default address is 255.255.255.0.
Network INTERFACE	This displays the interface being configured, for example, en1.
Your CABLE Type	This is automatically sensed and displays N/A as the default. Toggle this option with the **TAB** key to select the site's cable type.
START Now	Toggle this option with the **TAB** key to change from **no** to **yes**.

6. After the changes have been made, press **Enter**. The *COMMAND STATUS* window displays **OK** for a successful configuration.
7. Press **F3** to return to the *Installer* menu.

EtherShare Installation and Setup

This section describes how to set up and install EtherShare, which consists of the following procedures:

- Installing EtherShare
- Entering an EtherShare Base License
- Creating a Demo User
- Configuring the Apple Talk Network Numbers

Installing EtherShare

1. Access the *Installer* menu, as described on *Accessing the Installer Menu on page 125*.
2. Type **3** to select the *EtherShare Install & Setup* option and then press **Enter**.

   The EtherShare Installation Menu appears.

```
        EtherShare Installation Menu
        ----------------------------

        The machine ID (host ID) of this computer is "00198169-68"

        1)      Install programs and configuration files
        2)      Install and configure AppleTalk kernel modules
        3)      Enter activation key to license EtherShare
        4)      Create a demo user
        5)      Configure AppleTalk network numbers
        6)      Quit

* Your choice ? [1]
```

3. Type **1** to select the *Install programs and configuration files* option and then press **Enter** to initiate the automatic processes.
4. Type **2** to select the *Install and configure AppleTalk kernel modules* option and then press **Enter** to initiate the automatic processes.
5. Type **3** to select the *Enter activation key to license EtherShare* option and then press **Enter**.

   The *EtherShare License Menu* appears.

```
       EtherShare License Menu
       -----------------------

       The machine ID (host ID) of this computer is "00198169-68"

       1)     Enter an EtherShare base license
       2)     Enter a user expansion license
       3)     Display licenses
       4)     Delete a license
       5)     Return to main menu

* Your choice ? [2]
```

6. Proceed to the next procedure to enter a base license.

Entering an EtherShare Base License

1. From the *EtherShare License Menu*, type **3** to select the *Display Licenses option* and then press **Enter**.

   The old activation key is displayed.

2. Write down the serial number.
3. Select **4** and delete the existing license (if it exists).
4. Type **1** to select the **Enter an EtherShare base license** option and then press **Enter**.

   The following window appears. (This window is only an example, as base licenses do not have an expiration date.)

```
* Your choice ? [2] 1
* Software serial number (8 digits, q to quit) ? [] 12345678
If you have a full license, leave the next field blank.
* Expiration date (eg. 1-Oct-1991, q to quit) ? [] 1-12-94
* Number of users (one or more decimal digits, q to quit) ? [20]              -
* Checksum (eg. abcd-defg-hjkl-mnop, q to quit) ? [] etbf-fqeq-edhw-euac

License is valid and has been entered into the license data base.
```

5. Type in the following license parameters:
   - software serial number
   - number of users (the number in brackets is the default, but you can enter up to 20 users). Note, that the Brisque is supplied with base licenses for **only** 6 users.
   - checksum

The following message appears:

"The license is valid...."

6. Type **5** to select the *Return to main menu* option and then press **Enter**.

   You are returned to the *EtherShare Installation Menu*.

Creating a Demo User

1. From the *EtherShare Installation Menu*, type **4** to select the *Create a Demo User* option and then press **Enter**.

   The following window appears:

```
* Your choice ? [1] 4

* Ok to add a demo user named "macuser" and a demo group "macusers" ? [y]
```

2. Type **y** and then press **Enter** to confirm the creation of a demo user named **macuser**. You are automatically returned to the *EtherShare Installation* menu.

AppleTalk Network Numbers



It is recommended to use the Brisque as a non-seed router device and to use the **auto configuration** option in the **netconf** program (use to be **if=et1** in the **atalk.conf** file in the previous EtherShare version).



MPORTANT: At the end of this procedure, the Helios program will prompt you to reboot the station. Check with the local system manager to receive permission to reboot the Brisque.

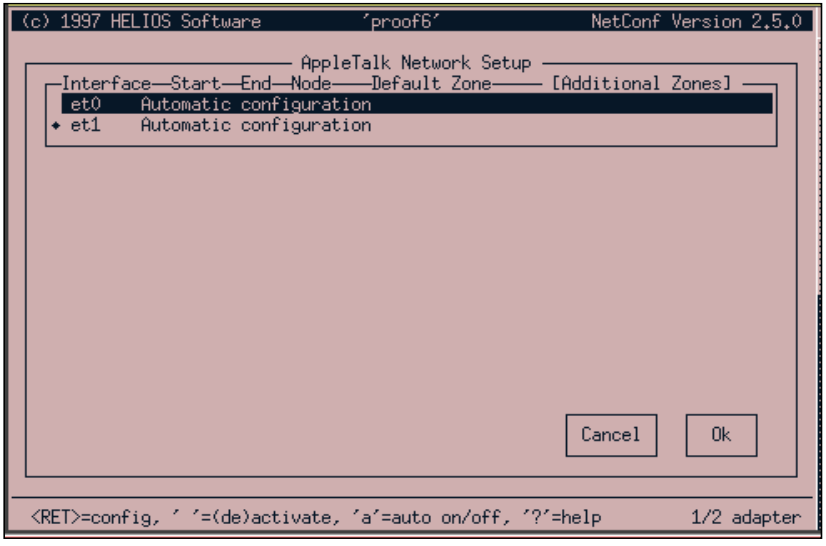
To configure the AppleTalk network numbers for the Brisque F-50):

1. From the *EtherShare Installation Menu*, type **5** to select the *Configure AppleTalk network numbers* option and then press **Enter**.

   The *NetConf* window appears.

2. Use the arrow keys to select **Configure Adapter** and then press **Enter**.

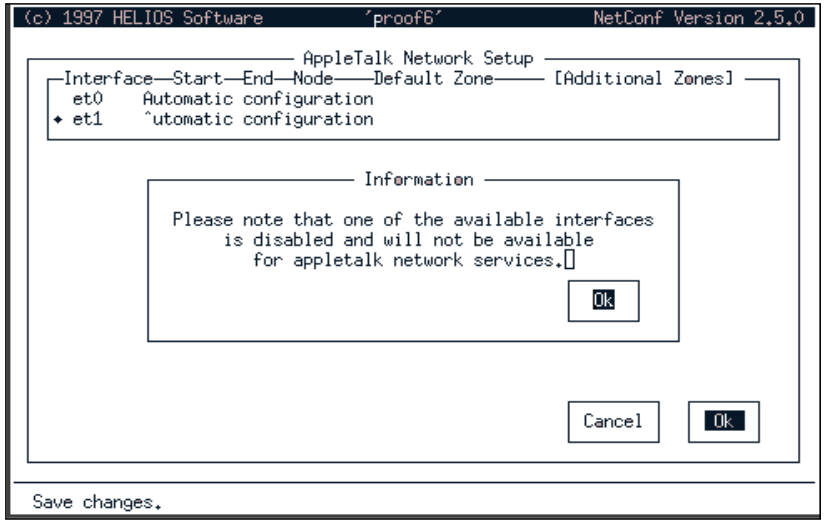
   The *AppleTalk Network Setup* window appears.



3. Use the arrow keys to select **et0** and then press the <space bar> to remove the plus sign (+) (deactivates **et0**).
4. Use the arrow keys to select **et1**. (If adapter **et1** is already in **Automatic configuration**, proceed to Step 6.)
5. Change the **et1** adapter to **Auto configuration** by pressing the **A** key.

6. Use the **Tab** key to select **OK** and then press **Enter**.

   The following window appears:



7. Select **OK** and then press **Enter** twice to quit the *NetConf* program.

8. Type **6** and then press **Enter** to exit from the *EtherShare Installation Menu*. The following message appears:

   Do you want to reboot now?

9. Type **y**. The following message appears:

   Minutes till shutdown [0]

10. Press **Enter**. The station reboots, and the new EtherShare starts automatically.

Configuring TCP/IP for a Remote Station (Hosts Table)

This section describes how to configure TCP/IP for a remote station, which consists of the following procedures:

- Accessing the Hosts Table
- Adding a Host
- Validating the Hostname List
- Removing a Host



To enable proper communication, you must add the hostname and IP address of all remote stations.

Accessing the Hosts Table

➢ At the command prompt, type **smit hosts** and then press **Enter** to reach the *Hosts Table* window directly.

Adding a Host

1. From the *Hosts Table* window, select the *Add a Host* option and then press **Enter**. The *Add a HostName* window appears.
2. Select the *Internet Address* field and then type in the required IP Address (consult the System Administrator, if necessary).
3. Select the *Hostname* field and then type in the name of the additional host.
4. Press **Enter**. The *Command Status* window appears, displaying an **OK** status.
5. Press **F3** to return to the *Hosts Table* window.
6. Select the *List All Hosts* option and then press **Enter** to verify that the new host was added.
7. Press **F3** to return to the *Hosts Table* window.

Validating the Hostname List

By default, the network Creo IP address is written to the hostname list.

If the IP address of your station (configured in the TCP/IP menu) is different than the Creo IP default address, then two listings for the same station will appear in the hostname list.

Remove any incorrect hostnames and IP addresses from the list, as described in *Removing a Host* on this page.

1. From the *Hosts Table* window, select the *List All Hosts* option and then press **Enter**.
2. Check that the list is valid. At least the first two entries should be included:

127.0.0.1	local host (Loopback)
Your Internet Address	Your Hostname
Remote Internet Address	Remote Hostname

3. Press **F3** to return to the *Hosts Table* window.

Removing a Host

1. From the *Hosts Table* window, select the *Remove a Host* option and then press **Enter**.

   The *Remove a Host* window appears, displaying the *Hostname* or *Internet Address* field as highlighted.
2. Press **F4** to display the *Hosts* list.
3. Select the host that you want to delete and then press **Enter**.

   The *Are you sure?* popup window appears.
4. Press **Enter** to complete the operation.
5. Press **F3** to return to the *Hosts Table* window.
6. Select the *List All Hosts* option and then press **Enter** to verify that the host was deleted from the list.
7. Press **F10** to exit *SMIT*.

Verifying TCP/IP Installation

- At the command prompt, type **ping** and then the station name. You should receive a continuous reply with TCP/IP details.

Try pinging the station itself (for example, ping **brisque1**) as well as any remote stations, if available.

3.6 Loading Full Software Version

This option allows to install the new Brisque Product Version.

To load a full software version:

1. Exit the Brisque application.
2. Insert the CD# 3: *Product CD* and then press **Enter**.
3. From the *SciSmit* main menu, select **Software Handling => Loading Full Software Version**.
4. Press **F4** to display the list of options.
5. Press **Enter** to start the operation.

   The *Command Status* window displays an **OK** status upon completion.
6. Select **F10** to exit *SciSmit*.
7. Remove the CD# 3: *Product CD* from the drive.
8. Reboot the Brisque and login as **cdesci**.

3.7 Update Software Packages

This option is used to install updates on top of the Brisque Product Version.



All names of update software packages begin with **Upd**.

To update the Brisque software package:

1. Insert the *Update Product CD* and then press **Enter**.
2. From the *SciSmit* main menu, select **Software Handling => Upodate Software Packages**.
3. Press **F4** to display the list of options.
4. Select the desired update and press **Enter** to start the operation.

   The *Command Status* window displays an **OK** status upon completion.
5. Select **F10** to exit *SciSmit*.
6. Remove the *Update Product CD* from the drive.
7. Reboot the Brisque and login as **cdesci**.

3.8 Installing Additional Software (Asian and Japanese Fonts)

This option is used to install additional software packages (Asian and Japanese fonts), including the following:

- Asian Installer
- Composite Fonts
- Composite Fonts CID
- Kanji Fonts
- Kanji Font CID.

To install additional software:

1. Insert the *CD#4: Additional Product CD* and then press **Enter**.
2. From the *SciSmit* main menu, select **Software Handling => Additional Software Installation**.
3. Press **F4** to display the list of options.
4. Select the desired fonts and press **Enter** to start the operation.

   The *Command Status* window displays an **OK** status upon completion.
5. Select **F10** to exit *SciSmit*.
6. Remove the *CD#4: Additional Product CD* from the drive.
7. Reboot the Brisque and login as **cdesci**.

3.9 Reconstructing the Passwords

Each station is shipped with permanent passwords for the Creo application, TransferPro, Ethershare, etc. as well as a Password Backup Diskette.

These passwords can also be reconstructed when the diskette is not available such as in the case of a system crash.

To reconstruct the passwords:

1. At the Console login, type **root** and enter your password (default **ripro**).
2. At the command prompt, type **uname -a** and then press **Enter**. Your machine ID number appears (12 digits).
3. Contact your local Creo Service Center and relay your machine ID in order to receive your password (only the 8 digits in the middle, for example, 00XXXXXXXX00) and a new Password Backup Diskette.
4. When you have received your passwords, install the necessary applications such as EtherShare and TransferPro.

Appendix A

Creo IP Address Structure Recommendations

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A.1 Recommendations

The Creo IP address is built out of four numbers, which are separated by periods. Each number can range between 0 and 255 (for example, the range of an IP address can be 0.0.0.0 to 255.255.255.255).

Ethernet networks are usually divided into subnets, and each subnet has a Subnet Mask that defines the range of addresses that can be allocated to each host on this subnet.

Up to 254 hosts can be connected on each network segment (0 is used as a gateway address and 255 as a broadcast address).

The following is the recommended structure for Creo IP addresses:

Station/Unit	Recommended Addresses
Ethernet Communication Board (en0) on the Brisque	192.9.100.X (X is 2-20)
Mac	192.9.Y.[21-74]
PS/2	192.9.Y.[75-99]
Sun	192.9.Y.[100-119]
Whisper	192.9.Y.[120-149]
Communication units (hubs, routers, switching hubs, etc.)	192.9.Y.[200-254]

Examples:

- Y is determined by the Network Communication Board on the specific Brisque.
- 192.9.100.21 is a Mac connected to the Ethernet board on Brisque1.
- 192.9.150.125 is a Whisper connected to FDDI through the Switching hub.
- The first Mac connected to ent0 will have the address of 192.9.100.21.