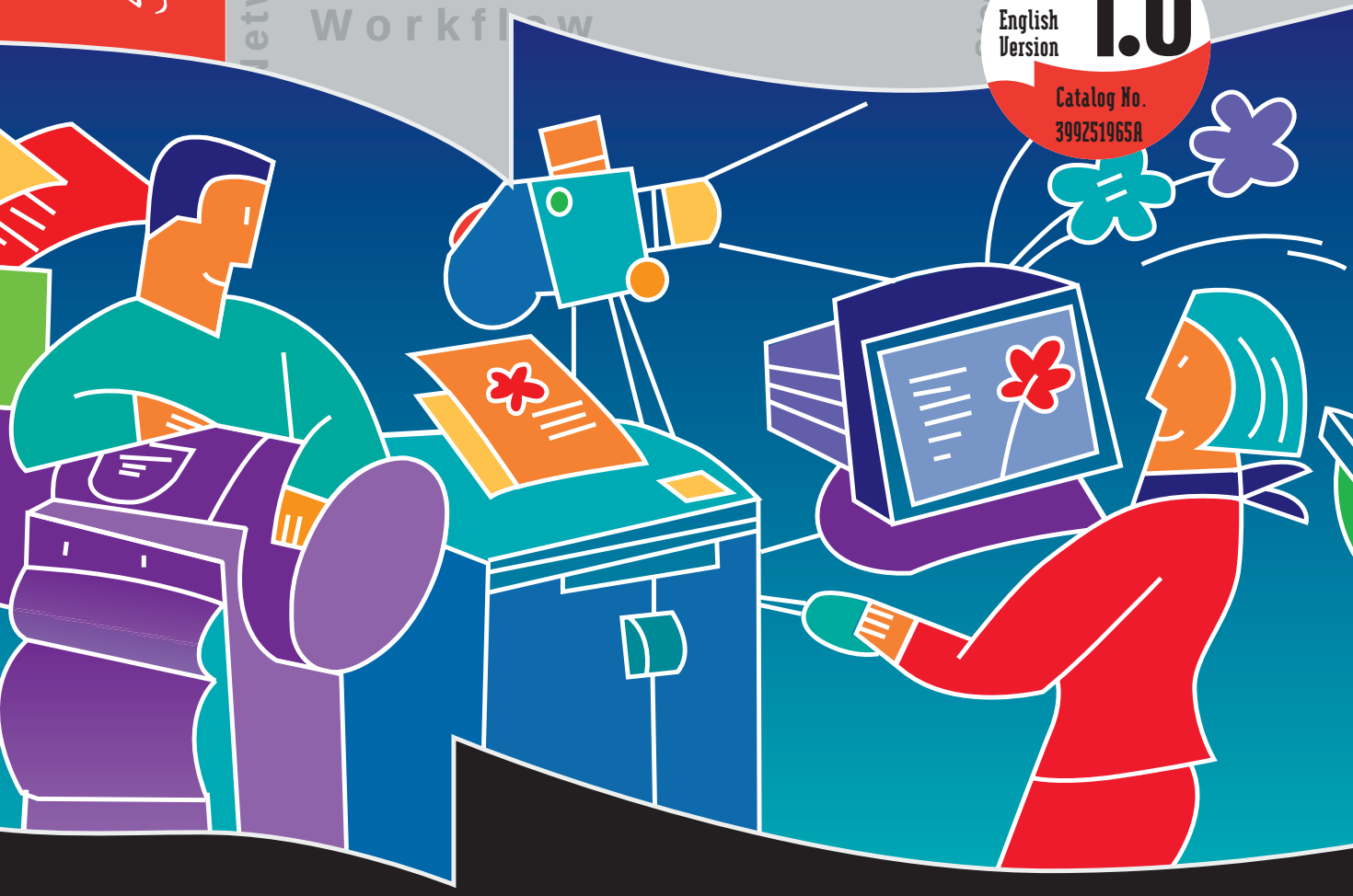
Scitex Graphic Arts

Rotation Board

Installation Guide

English Version 1.0

Catalog No. 399Z51965A



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5.313.278	5.323.248	5.325.217	5.328.032	5.331.439	5.333.064
5.339.176	5.343.059	5.355.446	5.359.458	5.367.388	5.384.648
5.384.899	5.412.491	5.412.737	5.420.702	5.473.733	5.481.379
5.488.906	5.497.252	5.508.828	5.509.561	5.519.792	5.519.852
5.526.107	5.526.143	5.532.728	5.561.691	5.568.595	5.576.754
5.579.115	5.592.309	5.594.556	5.600.448	5.608.822	5.615.282
5.623.001	5.636.330	5.649.220	5.650.076	5.652.804	5.691.823
5.691.828	5.696.393	5.699.174	5.708.736		

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1. FUNCTIONAL OVERVIEW

- ❒ The Rotation board will rotate by +90 or -90 degrees any Scitex LW or CT files.
- ❒ Each station can optionally have a Rotation board installed.
- ❒ The Rotation board has no external ports.
- ❒ The Brisque software will automatically detect the board and use it for rotation when necessary.
    - The Rotation board has a daughter board mounted on it:
    - Rotation EXT - with 128MB RAM.
    - Rotation EXT2 – with 256MB exists an option.
- ❒ The amount of RAM on the daughter board will determine the maximum file size supported:
    - For LW files: Twice the RAM size.
    - For CT files: The RAM size per separation.

1.1 System Requirements

1.1.1 Hardware Requirements

- ❒ Brisque workstation with one free PCI slot.
- ❒ Rotation board.

1.1.2 Software Requirements

- ❒ For Extension Board 128MB, software version 2.8. or higher.
- ❒ For Extension Board 256MB, software version 2.9. or higher.

2. INSTALLATION

2.1 Hardware Installation for F-50 Platform

Note: Before installing the board attach the connecting bracket to the component side of the board. Refer to *section 5.3.1 Bracket Kit*.

1. Shut down the system using appropriate shutdown commands if necessary (this will also power off the system).
2. Disconnect power cord.
3. Power off all other attached devices.
4. To remove the front cover refer to *25F/5 User's Guide, Chapter 5 Installing Options, Removing both the Front and Side Covers page 5-10 - 5-14*.
5. To remove the side cover and I/O Planar cover, refer to *25F/5 User's Guide, Chapter 5 Installing Options, Removing both the Front and Side Covers page 5-15 - 5-16.*
6. Remove expansion slot cover from slot 8.
7. To install the adapter refer to *25F/5 User's Guide, Chapter 5 Installing Options, Installing Adapters page 5-32.*
8. Install Rotation Board into slot 8 (second slot from the top).
9. Ensure adapter is firmly fitted in slot.
10. Replace covers and retaining screws, refer to *steps 3-5*.
11. Power on all attached devices.
12. Power on the Brisque.

2.2 Hardware Installation for 43P Platform

Note: Before installing the board attach the connecting bracket to the component side of the board. Refer to *section 5.3.1 Bracket Kit.*

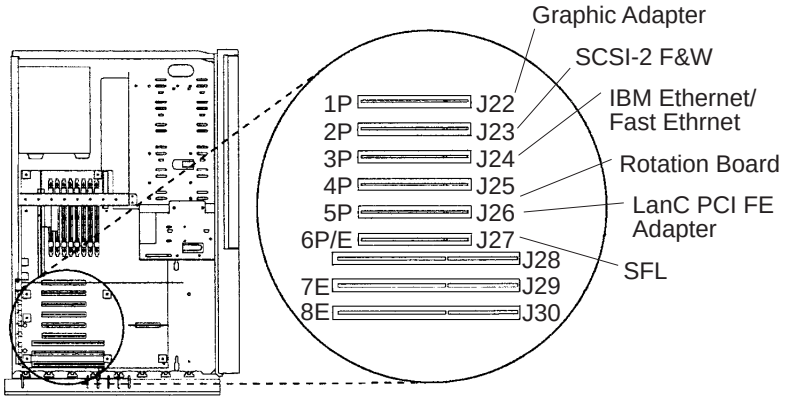
1. Shut down the system using appropriate shutdown commands if necessary (this will also power off the system).
2. Disconnect power cord.
3. Power off all other attached devices.
4. To remove cover, refer to *43/14 and 43/24 User's Guide, Chapter 4, Installing and Removing Options, page 4-105.*
5. Remove expansion slot cover from slot 4.
6. Install Rotation Board into slot 4.
7. Ensure adapter is firmly fitted in slot.
8. Replace cover, refer to *43/14 and 43/24 User's Guide, Chapter 4, Installing and Removing Options, page 4-105.*
9. Power on all attached devices.
10. Power on the Brisque.

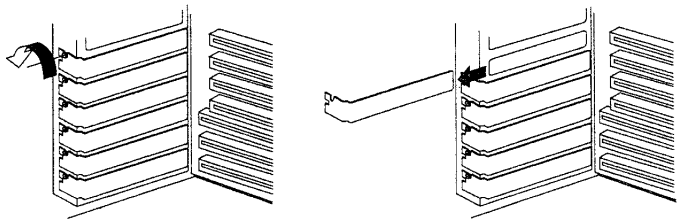
2.3 Hardware Installation for E-30 Platform

Note: Before installing the board attach the connecting bracket to the component side of the board. Refer to *section 5.3.1 Bracket Kit.*

1. Shut down the system using appropriate shutdown commands if necessary (this will also power off the system).
2. Power off all other attached devices.
3. Disconnect the power cord from the back of the Brisque.
4. Remove the cover:
   - Loosen six retaining screws on the back of the cover.
   - Grasp cover, pull back slightly, tilt cover backward and lift off.
5. Remove expansion board holder.

6. Remove expansion slot cover from slot 4.
7. Install Rotation Board into slot 4.
8. Ensure adapter is firmly fitted in slot.
9. Replace expansion board holder.
10. Replace cover and retaining screws.
11. Connect all cords to back of system.
12. Power on all attached devices.
13. Power on the system.





➢ Refer to *RISC System/6000 7024 E Series, Service Guide* for more information on procedures described above.

3. CHECKING THE INSTALLATION

1. Enter the Scitex environment by typing **cdesci** at the login prompt.
2. In the “Inform Statup Problems:” screen check the presence of the message “+ ROT is running...”
3. Optionally run the diagnostics software.

4. ENABLE THE ROTATION BOARD

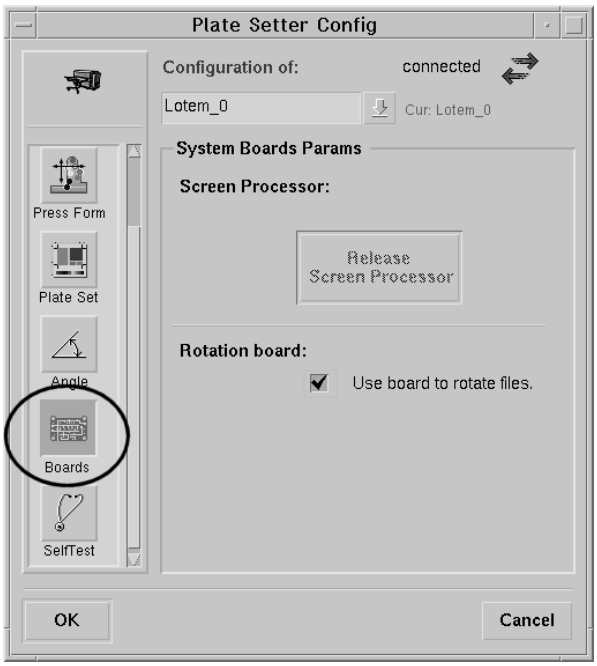
- ❒ The software for the Rotation board was installed when the station was configured and therefore there is no special software installation.
- ❒ The Rotation Board parameter appears only if you have a Rotation board installed in your system.

4.1 Invoking the Output Device Configuration Application

- ❒ From the Brisque *Launch Pad*, open the **Setup** panel, then double click the **Config** icon; the *Config* window appears.
- ❒ Click the appropriate **Output Device** icon according to the connected device you want to configure:

If you are connected to the following output device	Click this icon	This *<Device> Config* window appears
Improof	Improof	Improof Config
Proofer	Proof	Proofer Config
Imagesetter (Dolev family)	Expose	Plotter Config
Platesetter (Lotem 800V)	Expose	Plate Setter Config

- ❒ To display the System Boards parameters**,** select the *Boards* icon (The *Boards* icon appears only if the connected output device is a *Dolev* imagesetter or *Lotem 800V* platesetter.)
- ❒ To instruct the Brisque to use the Rotate board, select the *Use board to rotate files* checkbox.



Note: When the **Use board to rotate files** checkbox is not selected, the files will be rotated by the Brisque software. This option is more time consuming, but does not affect output quality.

Note: You cannot connect more than one output device of the same **type** to the Brisque at the same time. Furthermore, you cannot connect a Lotem platesetter and Dolev imagesetter to the Brisque at the same time. When you click the **Expose** icon, the Brisque automatically detects which Plotter you have connected, and displays the appropriate window.

❒ Click **OK** to complete the operation.

5. ROTATION EXTENSION2 BOARD – 256MB

5.1 Overview

- ❒ The ROTATION_EXT2 256MB daughter board can be mounted on the Rotation Board instead of the Rotation EXT 128MB daughter board, in order to increase the amount of the image memory.
- ❒ The ROTATION_EXT2 256MB daughter board has one external port that connects it to the Rotation Board.
- ❒ The Brisque software will automatically detect the type of the daughter board and the amount of the memory on it, and will operate the Rotation Board accordingly.
- ❒ The amount of RAM on the daughter board determines the maximum file size that is supported:
  - For LW files: Twice of the RAM size.
  - For CT files: The RAM size per separation.

The effects of the ROTATION_EXT2 256MB are:

- ❒ For LW files greater than 128MB, the rotation time decreases by 50%.
- ❒ For CT files greater than 128MB, the rotation time decreases by 30%.

5.2 Rotation EXT2 256MB Installation Procedure

5.2.1 Hardware Requirements

- ❒ Rotation board with or without any kind of daughter board.

5.2.2 Software Requirements

- ❒ The Rotation EXT2 daughter board requires Brisque Software version 2.9 or higher.
- ❒ Brisque version 2.8. DOES NOT SUPPORT ROTATION_EXT2 256MB daughter board.

5.2.3 Hardware Installation

Note: There are three different types of hardware installation, according to the specific type of machine (E-30, 43P or F-50). Refer to the appropriate platform for the necessary board installation /removal procedures and then proceed as follows:

1. Remove the Rotation Board from the PCI slot.
2. Loosen four screws that hold the daughter board on the back of the Rotation Board.
3. Remove the mounted daughter board from its connector.
4. Place the ROTATION_EXT2 256MB instead of the removed daughter board.
5. Replace the four screws to mount and secure the daughter board on the back of the Rotation Board.
6. Install Rotation board into the PCI slot.
7. Ensure board is firmly fitted in slot.
8. Continue as described in the relevant installation procedure for your platfrom.

5.2.4 Checking the Installation

1. Enter the Scitex environment by typing **cdesci** at the login prompt.
2. From the *Inform Startup Problems* screen check the presence of the message "+ ROT is running..."
3. Optionally run the diagnostics software.

5.2.5 Software Installation

- ❒ The software for the ROTATION_EXT2 256MB daughter board was installed when the station was configured and therefore there is no special software installation.

5.3 Logistics

- ❒ ROTATION_EXT 128MB DAUGHTER BOARD ONLY: 503B2L313S
- ❒ ROTATION 128MB ASSY (Rotation Board + ROTATION_EXT 128MB): 503D2L300
- ❒ ROTATION EXT2 256MB DAUGHTER BOARD ONLY: 503B2L512S
- ❒ ROTATION 256MB ASSY (Rotation Board + ROTATION EXT2 256MB): 503D2L500

5.3.1 Bracket Kit

This kit includes the following items in addition to the board:

- ❒ Bracket for F-50/E-30.
- ❒ Bracket for 43P.
- ❒ Screws for installing bracket (x2).
- ❒ Screw for 43P bracket for connecting to slot.

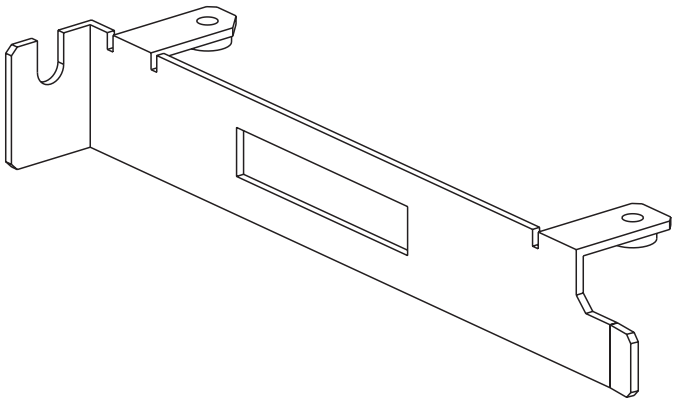


Figure 1. Bracket for 43P

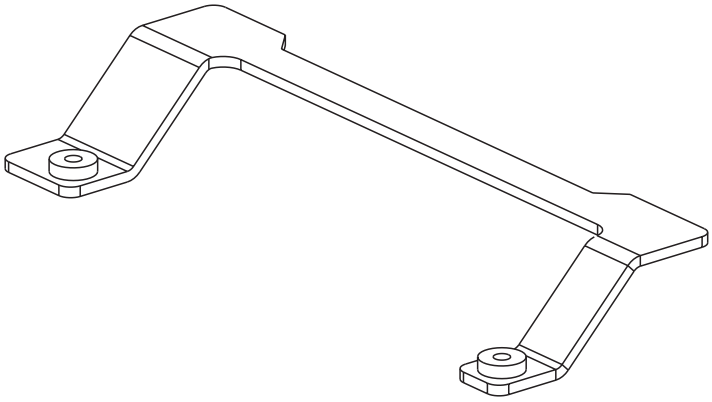


Figure 2. Bracket for F-50 and E-30