
ScanX[®]
Digital Imaging System

VetRay-Vision
Quick Reference Guide



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Introduction

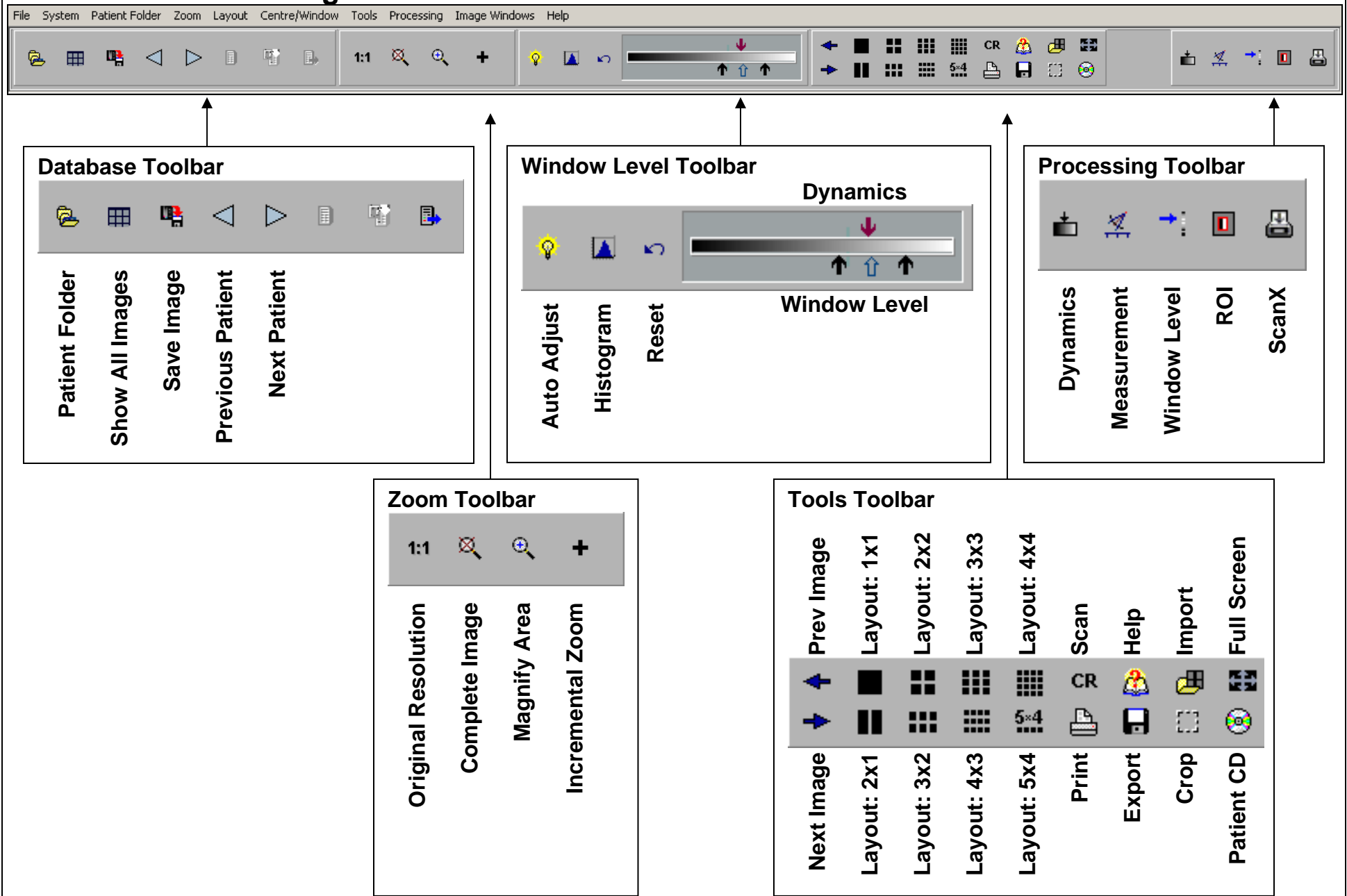
Thank you for your interest in the ScanX Digital Imaging System with VetRay-Vision.

This guide is intended to help you quickly incorporate the ScanX with VetRay-Vision into your practice by illustrating some of the most commonly used features within the VetRay software. The guide provides step-by-step instructions on how to acquire, manipulate, and save the ScanX-processed images within the VetRay-Vision software.

Although this document provides valuable start-up information, it is not a software users manual and therefore does not contain information on all the features and abilities of the software. For detailed user information, consult the menu-driven help feature contained in the VetRay-Vision software.

Note: The complete VetRay-Vision manual is located in the VetRay Documentation folder of the Installation CD

Toolbar Reference Diagram



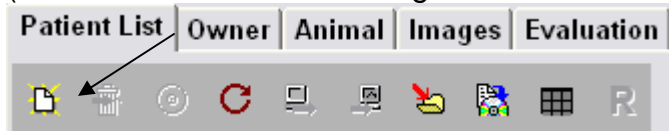
Section 1: How to Create or Open Owner/Animal Folder(s)

Creating New Owner Folder

Open Patient Folder (leftmost icon on main screen)



Create a new patient folder
(leftmost icon on Patient/Image Administration screen)



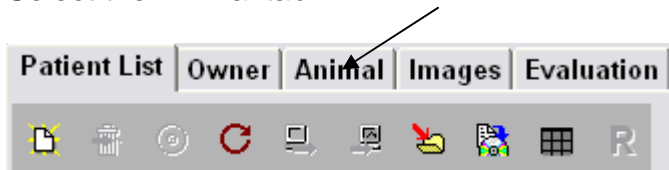
Enter Owner and Animal information
Save

Creating or Adding New Animal Folder

Open Patient Folder (leftmost icon on main screen)



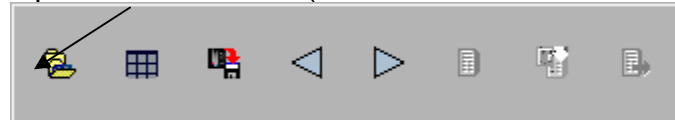
Select the Animal tab



Click New
Enter Animal information
Save

Open Owner/Animal Folder

Open Patient Folder (leftmost icon on main screen)



Double-click on owner at left to open all images for all
animals for that owner

Double-click on animal at right to open all images for that
animal

Name	First Name
Anderson	Anthony
Brown	Barry
Carlson	Cynthia
Darcy	David

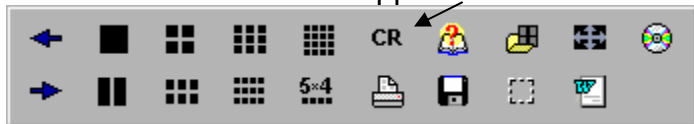
- Anderson, Anthony, (121) 212-1212
 - 1/1/2000, Andy
 - 2/2/2000, Alice

Section 2: Image Acquisition

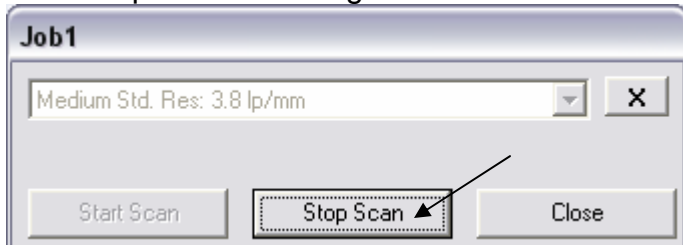
Step 1: Scan image

Create or open Patient folder (See Section 1)

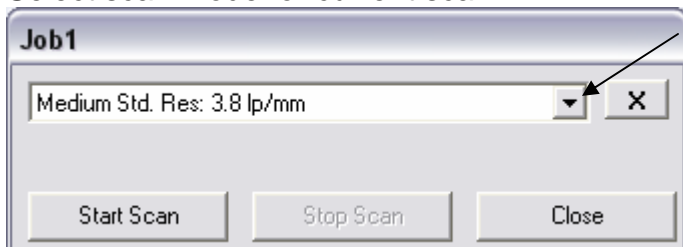
Click the CR icon on the upper bar



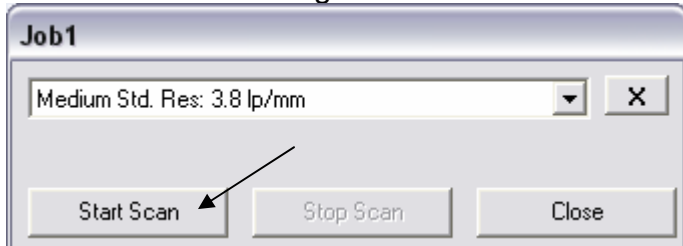
Click Stop Scan to change scan mode



Select scan mode for current scan



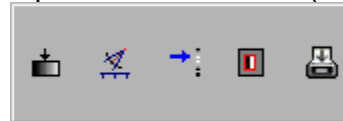
Click Start Scan to begin scan



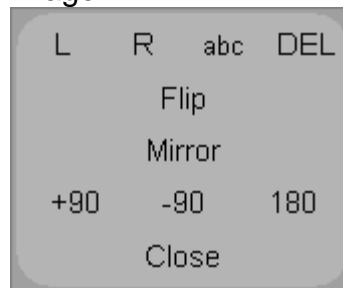
Ready light will turn green on the ScanX
Feed plate into scanner

Step 2: Orientate image / Apply L and/or R

Open ScanX toolbar (located on Processing Toolbar)

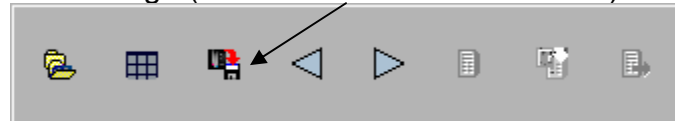


Using the lower portion of the taskbar, rotate and flip/mirror the image to get the proper orientation, and, if desired, select either L or R, and click where you want the tag to go on the image.



Step 3: Save image

Save image (located on Database Toolbar)



Note that during this saving feature, the user can enter an image comment/description.

Section 3: Image Cropping (See Note 1)

Step 1: Open image

Show all images for current patient (located on Database Toolbar)



Select image to crop

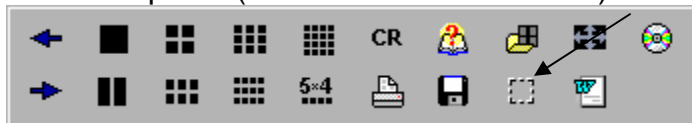
Open selected image (7th icon from left)



Note 1: Cropping eliminates the white border in a processed image.

Step 2: Crop image

Select crop tool (located on Tools Toolbar)



Box out area to be cropped

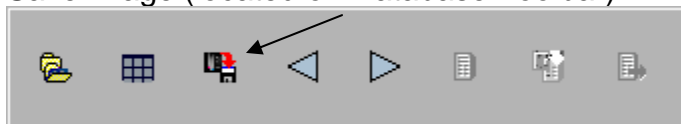
A new image will be created

Select new image (See Note 2)

Note 2: Original images are still available in the corresponding Patient folder.

Step 3: Save image

Save image (located on Database Toolbar)



Section 4: Image Manipulation

Step 1: Open image

Show all images for current patient (located on Database Toolbar)



Select image to edit

Open selected image (7th icon from left)



Step 2: Window Level

This function determines which grayscales are shown in the image.

Click and hold the left mouse button on the image

Move the mouse up, down, left, right, etc. until you see all the densities you want in the image

Step 3: Dynamics

This function is used to determine how bright the image is

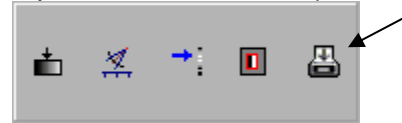
Click on the red arrow on the upper toolbar (located on Window Level Toolbar)



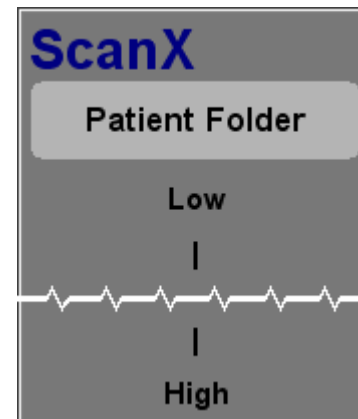
Slide the arrow left to darken the image, and to the right to brighten the image

Step 4: Filters

Open ScanX toolbar (located on Processing Toolbar)



The filters are on the upper portion of the toolbar



Right-click to select filter group

Left-click to apply filter

Step 5: Close image

Click on the Image Windows menu

Select Close Window

Section 5: Image Tools

Step 1: Open image

Show all images for current patient
(located on Database Toolbar)



Select image to edit

Open selected image (7th icon from left)



Step 2: Zoom/magnify

Zoom

The zoom icons (located on the Zoom Toolbar) control the image zoom factor



The left-most icon in this set zooms the image to the size it was scanned at

The second icon fits the image to the viewable area

The third icon zooms to a user-created rectangle

The fourth icon incrementally zooms the image

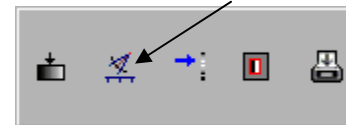
Magnify

Right-click and hold on the image to use the magnifying glass

Step 3: Measurements/annotations

Open Dynamics toolbar

(located on Processing Toolbar)



Measurements

Select a measurement from the dropdown menu

Press the Start button

Place points on the image as directed by the field directly under the Start button

Pointer Arrows

Press an arrow

Click a point on the image to add the arrow

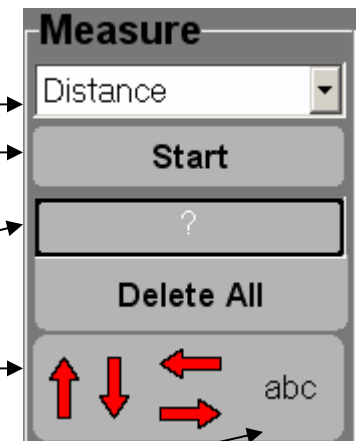
Annotations

Press the abc button

Click a point on the image to add the annotation

Enter your text

Click OK



Step 4: Close image

Click on the Image Windows menu

Select Close Window

Section 6: Image Exporting

Step 1: Open image(s)

Show all images for current patient (located on Database Toolbar)



Select image to edit

Open selected image (7th icon from left)



Step 2: Export images

For each image to be exported, do the following:

Select an image to be exported

Click on the File menu

Select Image Export

Select Current Image or All images, Click OK

Choose export location

Choose Save as Type

Click Save

Step 3: Print

Click on the File menu

Select Print

Select Printer, Mode and Layout

Check Interpolation

Click OK

Step 4: Email image(s)

Click on the File menu

Select Mail

Choose either Current Image or All Images

Check the JPEG checkbox to email in JPEG format OR

Uncheck the JPEG checkbox to email in DICOM format

Click Next

Outlook Express will open with the images as attachments

Edit email text and send

Step 5: Close image(s)

Click on the Image Windows menu

Select Close Window

Appendix A: Extra Features

A: Edit Owner information

Open the Patient folder (located on Database Toolbar)



Select the Owner tab



Click Edit
Edit the Owner information
Click Save
Click Yes

B: Edit Animal information

Open the Patient folder (located on Database Toolbar)



Select the Animal tab



Click Edit
Edit the Animal information
Click Save

C: Image layout

The Image layout icons (located on Tools Toolbar) will change the number of images displayed on the screen



D: Full Screen Mode

The Full Screen Mode icon (located on Tools Toolbar) will display the current image using the full screen

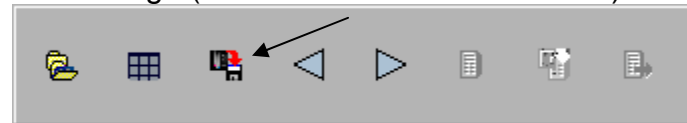


E: Export to Word

Open a Word Document
Click on the File menu
Click on Send to Word

F: Import Images

Click on the File menu
Click on Image Import
Browse to the image to be imported
Click OK
Save image (located on Database Toolbar)



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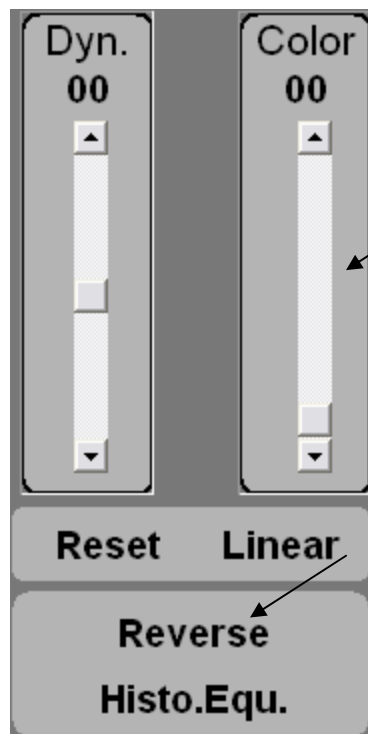
Appendix A: Extra Features (Continued)

G: Colorization/Reverse

Open Dynamics toolbar (located on Processing Toolbar)



Use the Reverse Button to invert black and white
Use the Color Slidebar to apply colorization



H: Help Feature

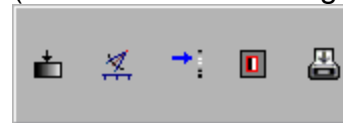
Click on the Help menu
Select Contents
Browse through VetRay Vision Help

I: Image Ordering

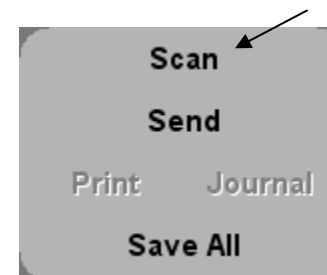
Select a multi-image layout (see C, above)
Press and hold the Alt key
Select and drag an image into another layout pane

J: Emergency Scan Backup

Open ScanX toolbar
(located on Processing Toolbar)



Right-click on the Scan button



The last ten images scanned into the VetRay software will be listed
Select an image and it will rescan into the VetRay software
(Refer to *Section 2: Image Acquisition* for information on new image acquisition)

Appendix B: Additional Modules

A: Patient CD Module

Step 1:

Change the layout so that all open images can be seen
(located on Tools Toolbar)

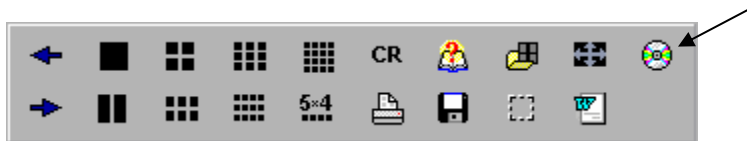


Step 2:

Select the images to be put on the Patient CD by using the circle in the upper left corner of each image (pink = selected, gray = not selected)

Step 3:

Click the Patient CD icon (located on Tools Toolbar)

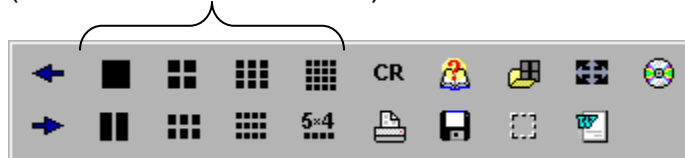


Click Yes

B: DICOM Communication Module

Step 1:

Change the layout so that all open images can be seen
(located on Tools Toolbar)

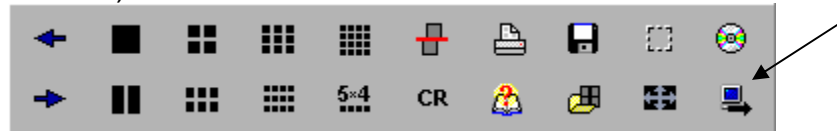


Step 2:

Select the images to be sent via DICOM Communication by using the circle in the upper left corner of each image (pink = selected, gray = not selected)

Step 3:

Click the Send Image icon (located on Tools Toolbar)



Select the Selected Images option
Click OK

Select the destination to send to
Click Start

Image windows should close automatically

continued on next page

Appendix B: Additional Modules (Continued)

C: Stitching Module

Step 1:

Show all images for current patient (located on Database Toolbar)



Step 2:

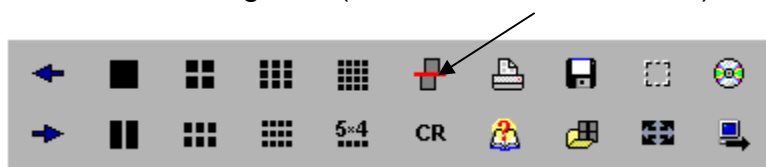
Select two images to stitch

Open selected images (7th icon from left)



Step 3:

Click the Stitching Icon (located on Tools Toolbar)



The Image Stitching window will open

Switch the order of the images

Display one image above the other

Display images next to each other

Put 1st image underneath 2nd image

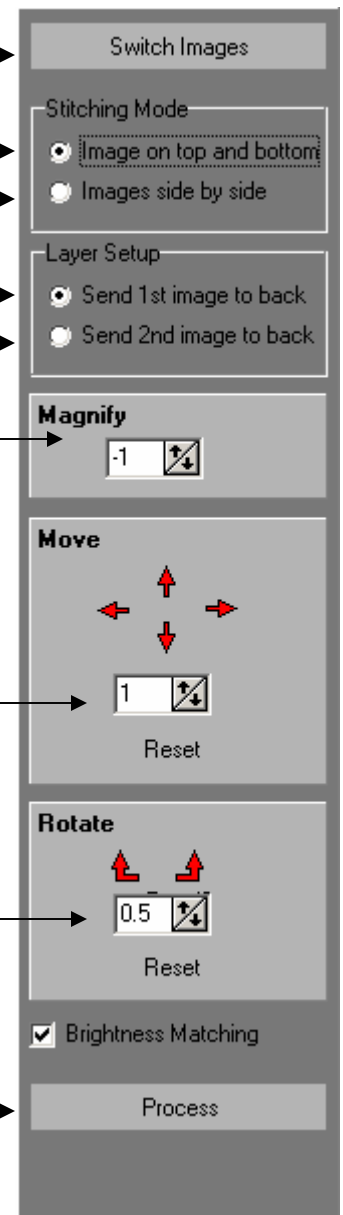
Put 2nd image underneath 1st image

Change Magnification of images

Move 2nd image relative to 1st image

Rotate 2nd image relative to 1st image

Create new stitched image



Notes:

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Notes:

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

Notes:

[illegible]

Notes:

[illegible]



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