DNP

FOTOLUSIO

more than a photo

DRY MINILAB SYSTEM

NL-2000

Software User Guide

Version 1.1 2009.01.29

ACKNOWLEDGEMENTS

1. Getting Started

2. The ScanStation Admin Interface

3. The ScanStation User Interface

1

GETTING STARTED

POWERING ON THE SYSTEM HARDWARE

1. Each day the system must be powered ON.

2. Open the printer cabinet front door and locate the power switch at the side of the cabinet.

3. Press the **power button** to power ON the system. The light turns blue to indicate that the cabinet has power.

4. Verify that all of the printers are powered ON and have a blue ready light.

> **Note**
>
> Check the Basic Operations manual for instructions on what to do if no lights are on.

5. Close the printer cabinet door.

6. Press the **power** button on the front of the computer.

7. Verify that all of the cabinet components powered ON.

STARTING THE NL-2000 SOFTWARE

Accessing the ScanStation User Interface

The *ScanStation* interface allows you to input orders for processing. This is the main interface you will use on a day-to-day basis.

> **Note**
>
> When the computer is powered ON, a menu appears that allows you to back up or restore the system image if necessary. The *ScanStation* software will launch automatically, or you can choose the **NL-2000** option from the menu and press **Enter**.

The *ScanStation* interface automatically starts when the computer is powered ON. The interface opens to the **Initialization Screen**.

Figure 1. Initialization Screen

Once the initialization is complete, touch **Continue** to open the Main Order Screen.

Figure 2. Main Order Screen

Accessing the PrintTurbine Interface

The PrintTurbine interface allows you to troubleshoot the NL-2000 system with Technical Support. You can also view any print issues and restart PrintTurbine.

> **Attention**
>
> **Always leave the PrintTurbine interface running**. Do not exit this utility unless you are requested to do so by Technical Support.

> ■ Note
>
> Press **ALT + TAB** and tab over to the PrintEngine icon on the toolbar. You can toggle to this interface when necessary.

1. The PrintTurbine interface automatically starts when the computer is powered ON. This interface is active in the background while you work in the *ScanStation* or *Production Manager* interfaces.
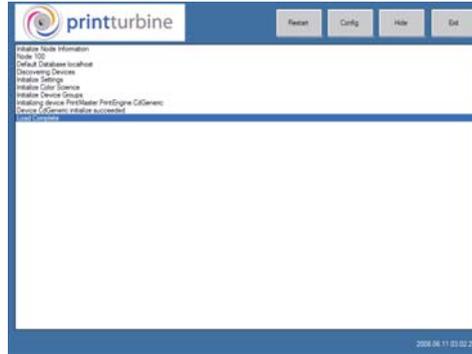
Figure 3. PrintTurbine

2. Once you have opened the interface, use the **Hide** button to minimize the interface.

ACCESSING THE OTHER INTERFACES

Accessing the Production Manager Interface

The *Production Manager* interface allows you to manage orders that have been submitted by the *ScanStation* interface or by client machines.

1. To access the *Production Manager* interface, hit **ALT + TAB** and tab over to the **SiteKiosk** icon on the toolbar.

Figure 4. SiteKiosk Icon

2. The Desktop Security screen will open.
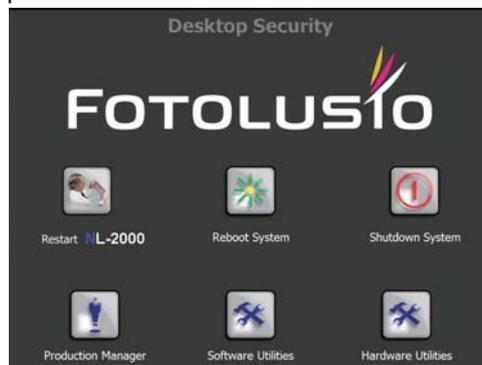
Figure 5. Desktop Security

3. Click on the **Production Manager** button. The *Production Manager* interface opens.

Figure 6. Production Manager Interfacetouch

4. Click on the **Production Manager** link. Production Manager opens.
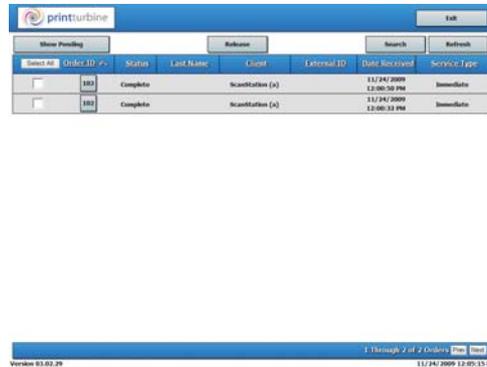
Figure 7. Production Manager

Closing the Production Manager Interface

1. Close the *Production Manager* interface at the end of each day.

2. At the Production Manager screen, touch the **Exit** button in the top right corner of the screen.

Accessing the ScanStation Admin Interface

The *ScanStation* Admin interface allows a system administrator to configure the ScanStation software.

1. To access the *ScanStation* Admin interface, touch the **Maintenance** button at the bottom of the *Main Order* screen.

Figure 8. Maintenance Button

2. The *ScanStation* Admin interface opens to the Admin top menu.

Figure 9. Admin Top Menu

Closing the ScanStation Admin Interface

1. To close the *ScanStation* Admin interface, touch the **Exit Admin** button at the bottom right corner of the screen.

2. When asked if you are sure you want to close the Admin interface, touch **YES**.
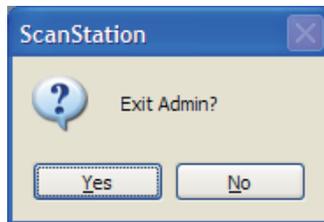
Figure 10. Exit Admin?

3. The *ScanStation* Admin interface closes.

Accessing the Order Control Screen

The Order Control screen shows all the jobs in the order queue. You have the options to cancel and resume orders, as well as search for an order, and view orders by type.

1. From the Main Order Screen, touch the **Order Control** button at the bottom of the screen.

Figure 11. Order Control Button

2. The Order Control Screen will open.
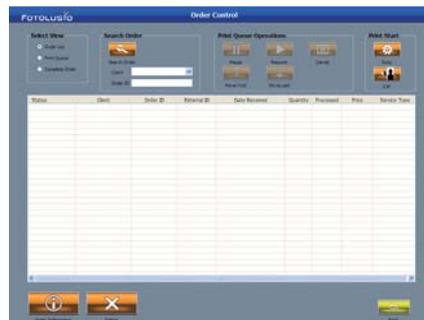
Figure 12. Order Control Screen

3. To exit the Order Control screen, touch the **back** button at the bottom right of the screen.

CLOSING THE NL-2000 SOFTWARE

1. To access *ScanStation* Admin, touch the **Maintenance** button at the bottom of the Main Order screen.

2. The *ScanStation* Admin interface opens to the Admin Top Menu.

Figure 13. Admin Top Menu

3. Touch the **Shutdown ScanStation** button on the bottom left corner of the screen.

> **Note**
>
> You can also shutdown NL-2000 from the Desktop Security screen.

RESTARTING THE NL-2000 SOFTWARE

1. Hit **ALT + TAB** and tab over to the SiteKiosk icon on the toolbar.

2. The Desktop Security screen will open.
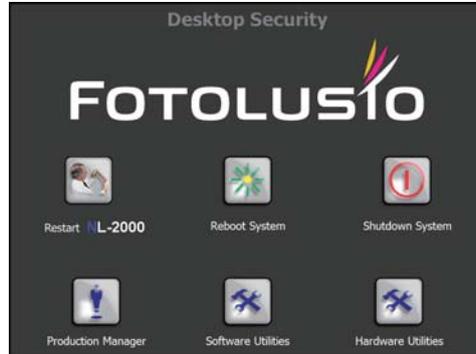
Figure 14. Desktop Security

3. Touch the **Restart NL-2000** button.

Figure 15. Restart NL-2000

4. The software restarts.

REBOOTING THE COMPUTER

1. From the Desktop Security screen, touch the **Reboot System** button.

Figure 16. Reboot System

2. When the dialog box appears, select **YES**.

3. The system reboots.

SHUTTING DOWN THE COMPUTER

1. From the Desktop Security screen, touch the **Shutdown System** button.

Figure 17. Shutdown System

2. When the dialog box appears, select **YES**.

3. The computer shuts down.

POWERING OFF THE SYSTEM HARDWARE

1. Verify the computer has been shut down.

2. Power OFF all other devices by pressing the two main power switches in the ScanStation and printer cabinets.

2

THE SCANSTATION ADMIN INTERFACE

OVERVIEW

Admin Options

Figure 18. Admin Top Menu

Use the buttons on the *ScanStation* Admin Top Menu to view the different Admin option screens, such as:

- **System Information** - opens InfoCenter screen, with information about the NL-2000 operating system
- **Report** - opens the PrintTurbine Report screen, with various PrintTurbine stats for a specified date range
- **Environment Settings** - opens the *ScanStation* Admin Interface where system configurations can be made
- **Pricing** - opens the Pricing screen, where product pricing is set

System Information

Clicking on **System Information** will take you to the *InfoCenter* screen where you can view information about the NL-2000 system you are using. You can view different information by touching each of the options on the left hand corner of the screen.

Figure 19. System Info Screens

Report

Clicking the **Report** button will open the PrintTurbine report screen showing various PrintTurbine stats for a specified date range.
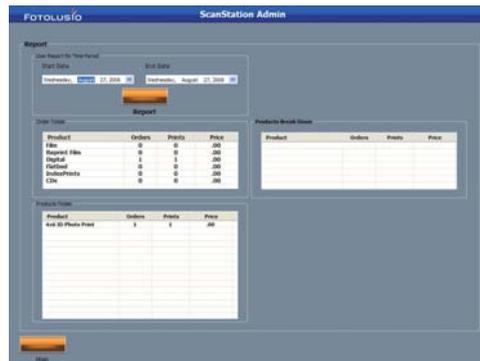
Figure 20. Report Screen

You can change the date range by clicking the date drop down menu and selecting a date from the calendar.

Environment Settings

Touching **Environment Settings** will take you to the *ScanStation* Admin Interface, where you can make changes to the system configuration.

Figure 21. ScanStation Admin Interface

Pricing

Touching the **Pricing** button will take you to the *Pricing* screen, where you can set the pricing for different products.

Figure 22. Pricing

SCANSTATION ADMIN INTERFACE

3. To access the *ScanStation* Admin Interface, touch the **Environment Settings** button on the Admin Top Menu screen.

Figure 23. Admin Top Menu

4. The *ScanStation* Admin Interface opens.

Figure 24. Admin Interface

Admin Actions

Touch the **Main** button at the bottom left of the screen to return to the Admin Top Menu.

Touch the **Apply** button at the bottom right of the screen to apply your settings to ScanStation.

ScanStation1 Tab

The **ScanStation1** tab in the Admin Interface includes these sections:

■ Default Settings

■ Attention Icon

■ Drives

■ Languages

■ Color Step Settings

■ Hardware Availability

Default Settings

1. You can set **Auto Color Correction** on or off.

2. You can set **Auto Red Eye Removal** on or off.

3. You can set **Print Summary Sheet** on or off.

4. You can set **Add Date** on or off. (Adds date to the print)

5. You can set the default input source for ScanStation by using the drop-down menu to make your selection from:

    ▪ Digital Media, Digital Select, Film Scanner, Flatbed Scanner

6. You can set the default print size by using the drop-down menu to make your selection from:

    ▪ 4x6, 3.5x5, etc.

7. You can set the default index print size by using the drop-down menu to make your selection from:

    ▪ 4x6, 3.5x5, etc.

8. You can set the default print quantity by using the drop-down menu to make your selection.

9. You can set the Print Mode to **Pre Judge Print** (PJP) or **Auto Print**.

> **N o t e**
>
> **Pre Judge Print** allows you to make changes to the print settings before printing, while **Auto Print** automatically prints the order.

Attention Icon

ScanStation will display an alert icon for any images too small to print properly at the chosen size.
If the image is smaller than the sizes shown in the number fields, the alert icon will display.
You can set the size by typing it in the number field. .

Figure 25. Attention Icon

Drivers

> **N o t e**
>
> Your system is configured at the factory for optimum performance. Contact Technical Support prior to adding or removing drives from your system.

To add or remove drives from the NL-2000 system:

1. Enter the drive letter in the text field and touch the **Add** button, to add a drive to your system.

2. To remove a drive, highlight the drive in the drive list and touch the **Remove** button.
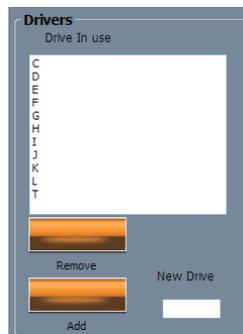
Figure 26. Drives

> **N o t e**
>
> Only one alphabetical character can be entered at a time. No numbers or symbols can be entered.

Languages

You can select what language is used in ScanStation by highlighting the language you want to use.
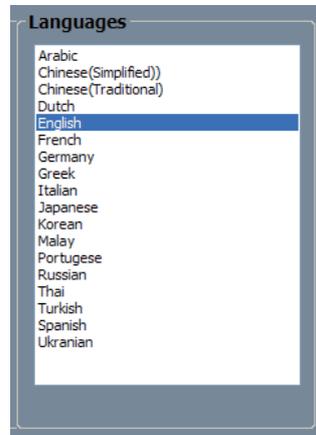
Figure 27. Languages

Color Step Settings

> **Note**
>
> Your system is configured at the factory for optimum performance. Contact Technical Support prior to changing the step settings.

The color step settings are adjustable. Change the step settings by entering new values in the appropriate boxes.

Figure 28. Color Step Settings

Hardware Availability

Film Scanner Expectation - check this box to check the film scanner connection at the Initialization screen

Flatbed Scanner Expectation - check this box to check the flatbed scanner connection at the Initialization screen

Figure 29. Hardware Availability

ScanStation2 Tab

The **ScanStation2** tab in the Admin Interface includes these sections:

- Product Size Registration
- PJP Screen Availability
- Date Format for Date Stamp
- Back Print Setting

Product Size Registration

Figure 30. Product Size Registration

1. You can enter a descriptive name for each print size by entering a name in the text field and hitting the **Update** button. (It is recommended that the name contain less than six characters.)

> **Note**
>
> The original Print Sizes and Input Types cannot be configured.

2. Check the **Available** box if you would like to utilize the print size with each input type.

PJP Screen Availability

You can set which screens are available in ScanStation when the PJP print mode is selected. The screen options are:

- Select Size & Quantity Screen
- Red-Eye Screen
- Border Screen

Figure 31. PJP Screen Availability

Date Format for Date Stamp

You can set which format the date appears in with the date stamp turned on. The format options are:

◗ YYYY/MM/DD   ◗ MM/DD/YYYY   ◗ DD/MM/YYYY
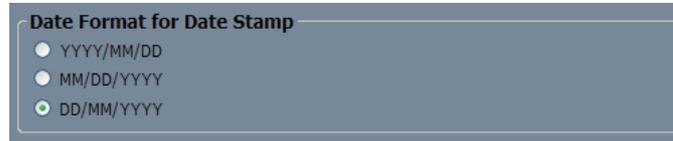
Figure 32. Date Format

Note

YYYY is the year.
MM is the month.
DD is the day.

Back Print Setting
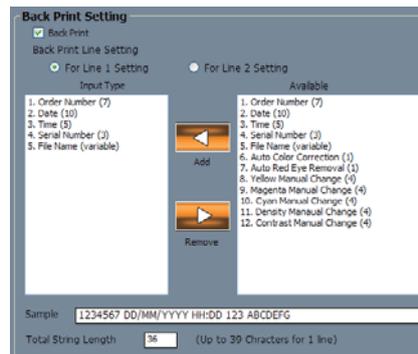
You can turn back printing on or off by checking the **Back Print** box.

There can be two lines of back printing. To set each line:

1. Choose the Line 1 or Line 2 setting by clicking the radio button.

2. To add back print information to the line, highlight which item you want in the *right list box* and add it to the *left list box* using the arrow buttons.

3. To remove an item, highlight it in the *left list box* and move it to the *right list box*.
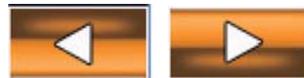
Figure 33. Add/Remove File Buttons

Note

The *left list box* contains the information selected for the back print.
The *right list box* contains the different information options you can add.

The Sample field will show you how the backprint will look.
The total string length will show you how many characters are in the line. (Up to 39 characters can be used.)

Film Scanner Tab

The Film Scanner tab in the Admin Interface includes these sections:

- **Default Settings** - turn the scratch removal option **on/off** and adjust the **Nudge** settings
- **Base for Scans** - choose a base for scans smaller/bigger than 8x10 (the higher the number the better image quality)
- **Options** - shows the different film position buttons and other options available for the film scanner
- **Color Step Settings** - adjust the step settings (these are configured at the factory for optimal performance)

Figure 34. Film Scanner Tab

Order Catcher Tab

The Order Catcher tab in the Admin Interface includes these sections:

- **Print Mode for Order from Order Catcher** - set the print mode for orders from the order catcher

    - **Print automatically** - print is started automatically

    - **Print by pre judge print** - print is on hold, to start print use PJP mode

- **Order Catcher Registration** - shows the names in use for order catchers used in the system

1. You can add/remove order catchers from the **Available** and **In Use** columns by using the arrow buttons.
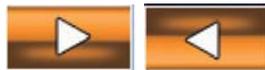
Figure 35. Add/Remove File Buttons

2. To Update the name of an order catcher, select it in the list and enter the new name in the text field. Hit the **Update** button.
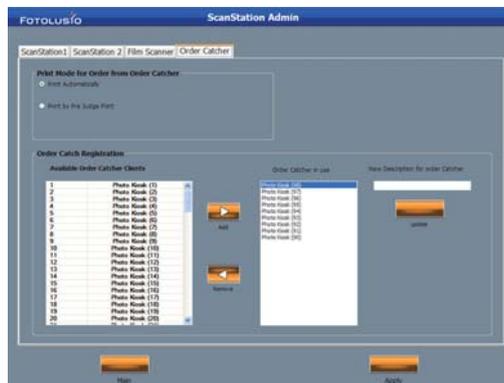
Figure 36. Order Catcher Registration

<div style="text-align: right; font-size: 3em;">3</div>

THE SCANSTATION USER INTERFACE

THE MAIN ORDER SCREEN

The Main Order screen is the gateway to the NL-2000 ScanStation interface. From this screen you can:

■ Preview Images

■ Place Orders

■ Access the Scanstation Admin Interface

■ Access the Order Control screen

■ Launch the ID Photo application

Understanding the Main Order Screen Option Buttons

Figure 37. Main Order Screen

a. At the top of the screen is the **Message** bar, where instructions for the current screen appear.

b. At the top right corner of the screen is the **Order Status**, which shows how many Open/On Hold orders are in the print queue.

c. On the left side of the screen is the **Printer Status** pane. The printer names, media sizes, media remaining, and printer status will display.

d. The **Input Source** panel is where you select what kind of input your media is coming from. Depending on your configuration, you can choose from the following types of input:

■ Digital Media

xD-Picture Card	SmartMedia	Compact Flash
Microdrive	Memory Stick	Memory Stick PRO
SD Memory Card	MultiMediaCard	Memory Stick Duo
Memory Stick PRO Duo	MiniSD Card	Reduced Size MultiMediaCard
USB		

■ Digital Select

Note

By choosing the **Digital Select** option, you can choose to load only select images from digital media.
Only one input source can be specified in each order. If multiple input sources are needed for an order, place a separate order for each input source.

■ Film Scanner

■ Flatbed Scanner

e. The **Print Size/Quantity** panel allows you to choose the size and quantity of the prints. The sizes will display in the drop-down menu according to what is configured in Admin. By clicking the **[+]** or **[-]** buttons you can change the quantity of prints.

f. The **Print Mode/Auto Color Correction** panel is where you can change the Print Mode from **PJP** to **Auto** by clicking on the icon.You can also turn **Auto Color Correction** on/off in the same manner.

Note

Icons will be highlighted when they are selected.

g. The **Options** panel lets you add an **index print** or **CD** to the order. You can also add **white margins** to the prints. Pushing this button will add white margins to the whole order.

Note

The following print sizes supprt white margins: 3.5x5, 4x6, 4x7, 4x8, 4x10, 4x12, 5x7, 6x8, 6x9, 8x10, and 8x12.

h. Touching the **ID Photo** icon at the bottom left of the screen will launch the ID Photo application.(see ID Photo chapter)

Figure 38. ID Photo

i. The **Pause Print** button pauses the printing process. After clicking the **Pause** button you will receive a message asking if you are sure you want to pause the print process, click **Yes** or **No**.

Figure 39. Pause Button

> **Note**
>
> If you click **Yes**, another message will appear stating that printing is paused. To resume printing, click **OK**.

j. Clicking the **Maintenance** button takes you to the *ScanStation* Admin Main Menu.

Figure 40. Maintenance

k. Clicking the **Order Control** button launches the *Order Control* screen.

Figure 41. Order Control

l. Click the **Start** button when you are ready to begin the order process.

Figure 42. Start

Understanding the Order Control Screen

The *Order Control* screen shows all the jobs in the order queue. You have the options to cancel and resume orders, as well as search for an order, and view orders by type.
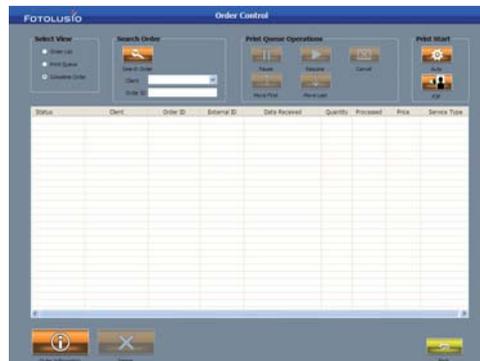
Figure 43. Order Control

3. The *Select View* pane allows you to select what type of orders you want to view. Your options are **Order List**, **Print Queue**, or **Complete Orders**.

4. The *Search Order* pane allows you to search for an order using either the **Client** (ScanStation the order was made on) or the **Order ID**.

5. The *Print Queue Operations* pane allows you to **pause**, **resume**, or **cancel** orders. You can also move orders up and down in the queue based on importance.

6. The *Print Start* pane allows you to choose either **PJP** or **Auto** as the print mode for the highlighted order.

7. The **Delete** button will delete the order highlighted in the order list.

Figure 44. Delete

8. You can exit Order Control by hitting the **Back** button.

Figure 45. Back

9. Highlight an order in the order list and touch the **Order Information** button, to view details for that order.

Figure 46. Order Information

LOADING IMAGES

Note

A dialog box will display when the maximum number of images has loaded on Scanstation.
Any images past the number allowed will not load on Scanstation.

Loading Images from Digital Media:

1. Select **Digital Media** as the Input Source on the *Main Order* Screen.

2. Make the appropriate adjustments for the order and press the **Start** button.

3. ScanStation will look for digital media to load.

Figure 47. Looking for Digital Media

Note

If no digital media is detected within 5 seconds, the message will change to "Insert your Digital
Media..." The message will appear until digital media is found, or the **Close** button is pressed.

Loading Images from Digital Media Select:

1. Select **Digital Select** as the Input Source on the *Main Order* Screen.

2. Make the appropriate adjustments for the order and press the **Start** button.

3. The *File Selection* screen will open.
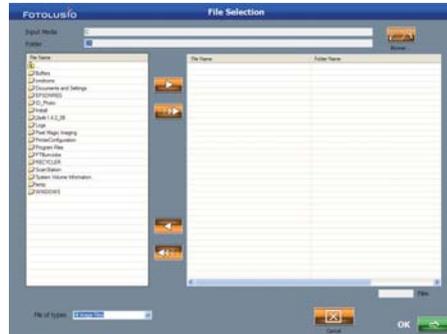
Figure 48. File Selection

4. To browse for a folder, hit the **browse** button and select what folder you want to choose your images from.

Figure 49. Browse

5. To select images, highlight the image filenames in the *left list box* and move them to the *right list box* using the arrow buttons.
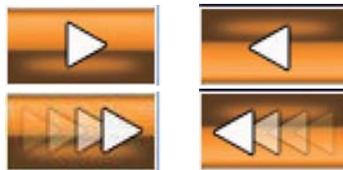
Figure 50. Add/Remove Files

> **Note**
>
> The *top arrow* button moves the selected file.
> The *bottom arrow* button moves all the files in a folder.

6. You can choose the types of image files to view using the **File of Types** drop-down menu.

7. When you are ready to continue touch the **OK** button. To go back choose **Cancel**.

Loading Images from Film Scanner:

Preparing Your Film for Scanning

Before scanning, the film must be cleaned and you must verify that there are no tears or defects in the film surface. You can only scan strips with four or more frames. To decrease the likelihood of having less than four frames in a strip, sleeve the film from the tail end.

1. Always wear white, lint-free lab gloves when handling film.

2. Using a clean, anti-static cloth, gently remove any dust from the film surface.

3. Inspect the film for any twin-check tape that has the adhesive side exposed or is covering any sprocket holes. Other tape, besides twin-check, on the film must be removed.

4. Inspect the film for any tears or other defects that might cause the film to jam in the scanner. Make sure the edges of the film (header and trailer) are smooth and at a right angle.
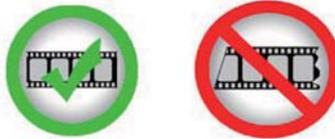
Scanning Film Using the Pakon 135/135+ Scanner

> **Note**
>
> Be sure there is no film in the film scanner before proceeding.

1. Verify that the scanner lights are not red. If the lights are red, perform basic troubleshooting steps to identify the issue, then contact technical support

2. Submit an order with the 35mm film as the input source. Press **Start**.

3. When the Scanning Film message appears on the screen and the film light on the scanner blinks green, the scanner is ready to accept film. Click **OK**.

Attention

Do not insert the film into the scanner until after the light blinks green. Inserting it before the green light will cause calibration errors.

4. On the *Film Scan* screen, select what type of film you are scanning.
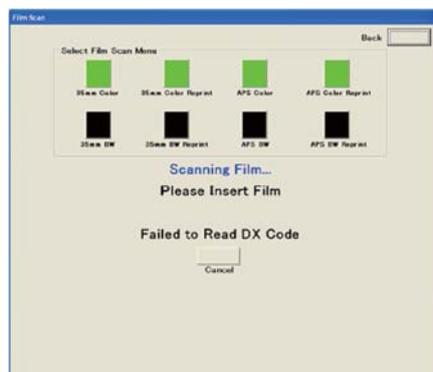
5. Position the film with the DX code on top and the lowest frame number first. The emulsion (dull) side should be towards the left.
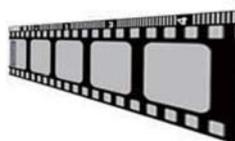
Attention

If there are damaged sprockets on the film, the damaged part must be at the bottom of the film scanner regardless of the DX code orientation.

6. Insert the film into the right side of the scanner until the scanner grabs the film and feeds it into the scanner. You should not be able to insert more than three frames into the scanner housing before the scanner grabs the film. If you can, remove the film from the scanner, uncurl the film, and try again.
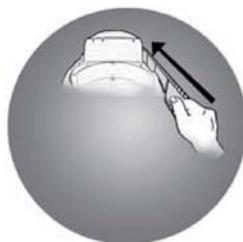
7. The *Film Scan* screen will display the scanning progress.

8. When the scan completes, a message box will ask if you'd like to scan more film. Click **Yes** or **No**.

9. When the film light on the scanner changes to solid orange, remove the film from the exit area.

10. Continue processing the order as normal.

> ⚠ **Attention**
>
> If you are experiencing a film jam or the film stops in the scanner, follow the instructions in the troubleshooting section.
> Failure to perform correct troubleshooting procedures will void the warranty on your equipment.

Scanning Film Using the Pakon 235/335 Scanner

1. Insert the film into the film entrance with the emulsion side up. In most cases that will mean the curl of the film roll will be on top of the film strip as it goes into the scanner and the DX code is on top.
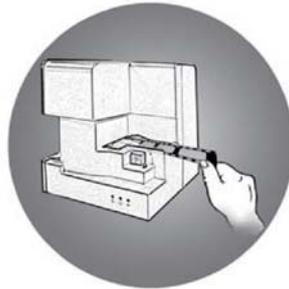
> **Note**
>
> The emulsion side of the film looks more dull than the non-emulsion side.

2. Insert the film in ascending frame order (1, 2, 3, etc.)

3. Initiate the film scanning through ScanStation.

4. If the film scanning starts but the film is not drawn into the scanner, apply slight pressure on the film towards the film entrance.

Scanning APS Film

1. Push the APS eject button to open the APS film holder.

2. Insert the APS film into the APS holder.

> **Note**
>
> The APS film canister should be placed with the film slot at the bottom facing towards the film scanning chamber.

3. Close the film holder.

4. Initiate the film scanning through ScanStation.

Loading Images from Flatbed Scanner:

1. Select **Flatbed Scanner** as the Input Source on the *Main Order* screen.

2. Make the appropriate adjustments for the order and press the **Start** button. ➡

3. Place the picture face-down on the scanner glass in the corner.

Figure 51. Scanner Position

> **Note**
>
> If there are tabs on the edge of the scanning surface, do not place the photo under the tabs. Align the photo so that the edge of the photo is next to the tab and evenly spaced from the edge of the scanning surface.

4. Close the scanner lid, being careful not to move the picture.

5. When the Epson scanner utility appears, follow the onscreen instructions to scan your photo.

Figure 52. Epson Software

6. When asked if you want to scan more images, click **Yes** or **No**.

PREVIEW SCREENS

Use the *Preview* screens to make enhancements and corrections to images.

Figure 53. Main Preview Screen

Main Preview Screen

On the *Main Preview* screen you can preview the images you want to print.

1. Use the **arrow** buttons to navigate through the images.
2. The *top* and *bottom* arrows move to the first and last page.
3. The *middle* arrows move to the next and previous page.

To enlarge an image:

1. Select the image and touch the **Enlarge** button.

Figure 54. Enlarge Image

2. You can then view the enlarged image and make frame adjustments according to the nudge configuration in Admin.

Figure 55. Enlarge Photo

To pass/add images:

1. Select an image and touch the **PASS** button. This tells ScanStation you DO NOT want to print the image.

Figure 56. Pass

Note

   A PASS icon will appear on the images you pass.

---

2. Select an image and touch the **ADD** button. This removes the pass icon and the image will print.

Figure 57. Add

To rotate an image:

Select the image and hit the **Rotate 180** button to rotate the image 180 degrees.

Figure 58. Rotate 180

Note

   This button is primarily used to adjust images that get scanned upside down in the scanners.

To change the Print Mode:

1. Touch the **Print Mode** button. The current mode will display on the button.

Figure 59. PJP/Auto Mode

When you are ready to continue touch the **OK** button.

Note

   If you are in **PJP** print mode, you will be able to make further enhancements and corrections to
   your images after this screen.
   If you are in **Auto** print mode, clicking the **OK** button will automatically submit your order for
   printing.

PJP Adjustment Screens

On the *PJP* screens you can make further adjustments to your images, as well as adjust single images.

Figure 60. PJP Adjustment Screen

To adjust the color levels of an image:

1. Select the image. Selected images will have a yellow box around them.

2. You can adjust each color level by entering a value in the box below each color bar.

> **Note**
>
> You can rotate and pass images using the buttons on the right side of the screen the same way you would on the *Main Preview* screen.

3. To show the next six images, touch the **Next 6 Images** button. To move back six images, touch the **Previous 6 Images** button.

Figure 61. Next/Previous Six Images

To select a single image to enhance:

1. Select the image and touch the **1 Image Enhance** button.

Figure 62. 1-Image Enhance

2. You will proceed to the *Color* screen.

> **Note**
>
> When you are done editing on any of the following screens, hit the **back** button. ScanStation will return to the thumbnails page, with your edits saved. Images that have been edited/adjusted will have a green box around them.
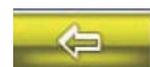
Color Screen

Figure 63. Color Screen

1. When you select a single image to enhance, the image will open on the *Color* screen.

> **Note**
>
> You can open the selected image on the *Crop*, *Size*, *Red Eye*, or *Border* screens by touching the buttons along the bottom of the screen.

2. You can set the color levels using the **[+]** and **[-]** buttons for each color bar.

3. To turn Auto Color Correction ON/OFF, press the **Auto Correction** button.

4. To adjust the contrast use the **[+]** and **[-]** contrast buttons to the right of the screen.

5. You can turn the image to **black and white** or **sepia** tones by pushing the appropriate buttons.

6. To undo the changes you made, press the **Undo Changes** button. To apply the changes to all your images, touch the **Apply to All** button.

Crop Screen

Figure 64. Crop Screen

1. To zoom in/out on the image, touch the **Zoom In/Zoom Out** buttons.

2. To rotate the crop area touch the **Rotate Crop** button.

3. To rotate the image touch the **Rotate Image** button.

4. To move the image use the **up, down, left, and right arrow** buttons. To center the image touch the **center** button.
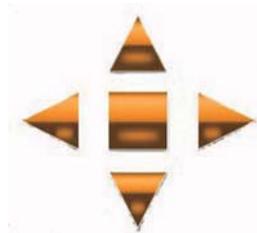
5. add a date stamp to the right corner of the image, touch the **Date Stamp** button.

> **Note**
>
> The date format will appear according to the Admin configuration.

Size Screen

Figure 65. Size Screen

On the *Size* screen, you can select a size and quantity for the selected image.

1. To select a size, highlight the size you want in the list box.

2. Use the **[+]** or **[-]** buttons to change the quantity for the selected size.

3. To apply the size and quantity to all your images, touch the **Apply to All** button.

Red Eye Screen

Figure 66. Red-Eye Screen

If you want to remove red-eye from your image:

1. Center the Manual Red Eye Removal target on the image.

> ### Note
>
> You can drag and drop the target anywhere on the image.

2. To zoom in/out on the image, use the **zoom in/out** buttons.

3. To move the image use the **up, down, left, and right arrow** buttons. To center the image, use the **center** button.
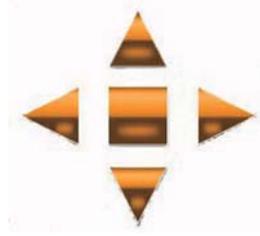
4. Touch the **Manual Red Eye Removal** button to apply the removal on the area.

> **Note**
>
> You can also use the **Auto Red Eye Removal** button to remove red-eye.

Border Screen

Figure 67. Border Screen

To add a decorative border to an image:

1. Select a border size from the *border size list box*.

![][icon] **N o t e**

The *border size list box* shows the available border sizes, according to the admin configuration.
If no available borders are found for the selected size you will get an alert message. (see below)

Figure 68. Alert Message

2. Select a border size and touch the **Select Border** button.

Browsing Borders

Figure 69. Browsing Borders

1. To view a border, touch the border name in the *border list box*. The border will preview on the left side of the screen.

2. To search for a border, type a key word into the text field and hit the **search** button.

3. To apply the border to your image, touch the **Apply Border** button.

4. You will proceed to the *Text* screen.

Adding Text

Figure 70. Adding Text

1. To change the font style of your text, touch the **Font Style** button.

2. The Font Style window opens. Choose the size and style you want and click **OK**.

3. To change the font color of your text, touch the **Font Color** button.

4. The Font Color window opens.Choose the color you want and click **OK**.

5. To add your own text to the border, type into the text field. Touch the **Apply Text** button.

🟩 **Note**

You can enter text up to 100 characters.

---

6. To adjust the alignment of your text to the **left, center** or **right**, use the corresponding alignment buttons.

7. When you are satisfied with your border, touch the **OK** button.

🟩 **Note**

You will return to the *Main Border* screen, where you can make additional adjustments to your image.

---

1. To zoom in/out on the image, touch the **Zoom In/Out** buttons.

2. To rotate the border touch the **Rotate Border** button.

3. To rotate the image touch the **Rotate Image** button.

4. To move the image use the **up, down left, and right buttons**. To center the image touch the **center** button.
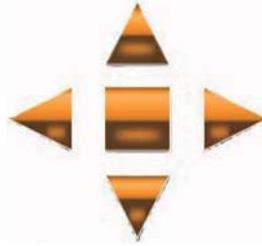
5. To change the quantity of the border print use the **[+]** and **[-]** buttons to increase or decrease the value.

6. When you are finished, hit the **back** button. ScanStation will save the bordered image in your order.

> **Note**
>
> At any point in time during photo editing, if you need to return to the previous page, touch the **Back** button at the top of the screen. To start over completely, touch the **Start Over** button.

FINALIZING A PRINT ORDER

To finalize an order:

> **Note**
>
> You will only be able to review the items in your order if you are in **PJP** print mode.
> When you are in **Auto** mode, your order is submitted without review.

1. Touch the **OK/Submit** button from the PJP thumbnail screen..

2. A window will appear showing you the items in your order.
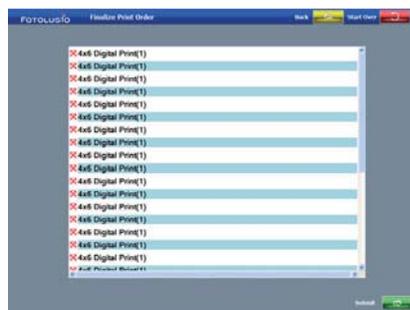
3. Review the items. Use the scrollbar to move up and down the order list.

4. To delete an item from the order, touch the **X** button to the left of the item.You will be asked if you are sure you want to delete the item. Click **OK** or **Cancel**.

Figure 71. Message

5. When you are satisfied with your order, touch the **submit** button.

6. ScanStation will show you the progress of your order submission.

Figure 72. ubmitting Order

Note

If you have ordered a CD, the screen will update you on the CD burning progress. (See below)

Figure 73. CD Burning

NL-2000 HARDWARE TROUBLESHOOTING

NL-2000 COMPUTER DIAGRAM

A Mouse Port   E Touch screen   I LAN
B Keyboard   F Touch screen   J Tower
C Parallel   G Flatbed Scanner
D LCD   H Film Scanner
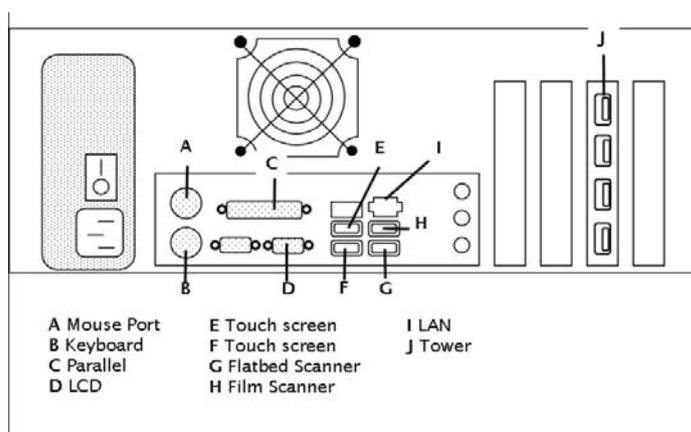
SOFTWARE TOP ISSUES

ScanStation Top Issues List

Symptom	Cause	Recommended Action
When the system is first started, a new device is detected.	Printers are not plugged into correct USB ports.	Verify the devices are plugged in correctly, and reboot.
Touching the screen, using the mouse and/or keyboard have no effect.	ScanStation is unresponsive.	Restart ScanStation.
Touching the screen, using the mouse and/or keyboard have no effect, and no jobs are printing.	ScanStation and PrintTurbine are unresponsive.	Restart NexLab, which includes ScanStation and PrintTurbine.

Symptom	Cause	Recommended Action
Touchscreen is unresponsive.	Touchscreen cables are not plugged into correct ports.	Verify the devices are plugged in correctly, and reboot.
When touching the screen, the cursor does not move where your finger is on the screen.	Touchscreen monitor is not calibrated.	Calibrate the touchscreen using instructions in the Basic Ops manual.
ScanStation does not connect to PrintTurbine.	ScanStation Admin configuration file entry for PrintTurbine is incorrect.	Update ScanStation Admin configuration file with the correct PrintTurbine IP address.

5

ID PHOTO

ID Photo is an easy to use application for making photo IDs. While easy to use, ID Photo has the precision required to produce high quality photos while meeting the rigid stipulations associated with many types of formal photo IDs.

SELECT IMAGE SCREEN

Figure 74. Select Image Screen

Loading Images – There are three ways to load images into the ID Photo application.

> **Auto-Detect** – digital media will be auto-detected and load the images automatically.

> **Browse** – Use the **Browse** button to open a standard browse window to locate any images on the computer or storage media.

> **Note**
>
> After an image is selected using the browse button, the path to that image will be displayed in a field next to the browse button.

Scrolling Images – Once you images are loaded you can scroll through your images in order to pick the best image for your photo ID.

Note

The number of images loaded displays in the Images Loaded field.

Scroll Right – Use the **Scroll Right** button to advance though your images.

Scroll Left – Use the **Scroll Left** button to scroll back through your images.

Note

A indicator bar will slide between the two scroll buttons in order to give an idea of where you are in your list of loaded images. You can also click and drag the indicator bar for faster scrolling through your images.

Selecting an Image – Once you have located an image to use for your photo ID you can select that image by clicking on it.

Note

A yellow box will frame the selected image.

Rotating an Image – After selecting an image to use, it may be necessary to rotate the image into the proper vertical alignment. Each image has its own set of rotate buttons located above the image.

Rotate Left – Use the **Rotate Left** arrow button to rotate the selected image in 90 degree increments in a counter-clockwise direction.

Rotate Right – Use the **Rotate Right** arrow button to rotate the selected image in 90 degree increments in a clockwise direction.

Continue – After you have selected an image and rotated it to the proper orientation use the **Continue** button to advance to the next screen.

Exit ID Photo – Use the **Exit ID Photo** button at any time to end your ID Photo session.

Note

Any images loaded or work done during your session will be lost and cannot be retrieved if you exit the ID Photo application.

MAIN WORK SCREEN

After you have selected an image and rotated it to the proper vertical orientation you are ready to set the image's size, placement, and color for your photo ID.
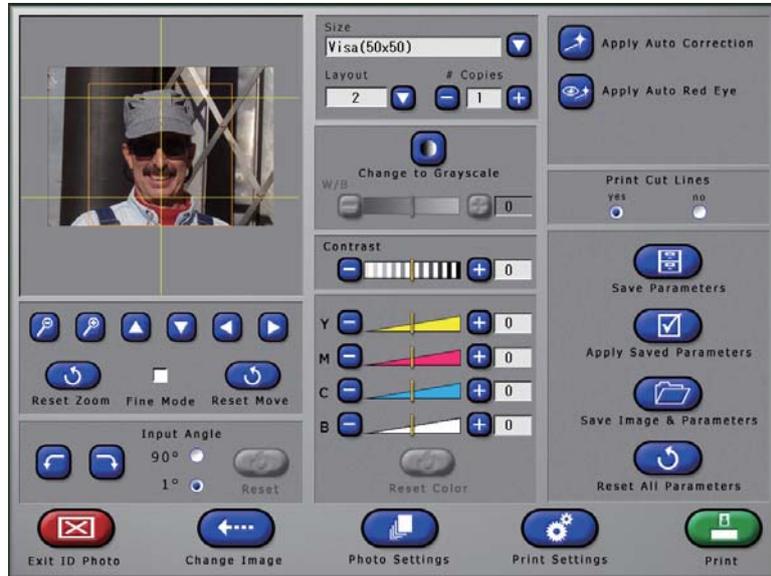
Figure 75. Main Work Screen

Zoom – You can zoom in or zoom out to increase or decrease the size of the image within the viewable frame.

 Zoom In – Use the **Zoom In** button to increase the size of the image within the viewable frame.

 Zoom Out – Use the **Zoom Out** button to decrease the size of the image within the viewable frame.

 Reset Zoom – Use the **Reset Zoom** button to return the image to its original size. Any Zooming you have done will be lost.

Note

 Prior to any zooming change, the Reset Zoom button is grayed out.

Figure 76. Zoom, Move and Fine Mode adjustment

■ **Move Image** – Use the move buttons to place the image within the mandatory head and chin placement lines within viewable frame.

■ **Move Up** – Use the **Move Up** button to move the image up within the viewable frame.

■ **Move Down** – Use the **Move Down** button to move the image down within the viewable frame.

■ **Move Left** – Use the **Move Left** button to move the image left within the viewable frame.

■ **Move Right** – Use the **Move Right** button to move the image right within the viewable frame.

■ **Fine Mode** – Click the **Fine Mode** checkbox for a finer degree of image movement control within the viewable frame.

Note

With Fine Mode checked on, five movement clicks is equal to one movement click in regular mode.

■ **Reset Move** – Use the **Reset Move** button to return the image to its original position within the viewable frame. Any image movement you have done will be lost.

Note

Prior to any move changes, the Reset Move button is grayed out.

■ **Input Angle** – Use the Input Angle feature to rotate the image if necessary. The 1 degree of rotation offers more precise rotations for slight adjustments.

Figure 77. Input Angle

■ **90 Degree Rotation** – Click the **90 degree** radio button to set the rotation to 90 degree increments.

■ **1 Degree Rotation** – Click the **1 degree** radio button to set the rotation to 1 degree increments.

■ **Rotate Left** – Use the **Rotate Left** button to rotate the image in a counter-clockwise direction. The degree of rotation is based upon the Input Angle setting.

■ **Rotate Right** – Use the **Rotate Right** button to rotate the image in a clockwise direction. The degree of rotation is based upon the Input Angle setting.

■ **Reset** – Use the **Reset** button to return the image to its original input angle rotation. Any image rotation you have done will be lost.

■ **Size** – Use the Size drop-down menu to select the printed size of the image. There are print size stipulations associated with many types of formal photo ID types The available size selections are:

■ **30mm x 24mm – Driver's License**

■ **40mm x 30mm – General (Common)**

■ **45mm x 35mm – Passport**

■ **50mm x 40mm – International Driver's License**

■ **50mm x 50mm – Visa**

Figure 78. Size, Layout and Copies selection

■ **Layout** – Use the layout drop-down menu to select the number of images produced on one print. The minimum images per print is one (1), the maximum per print is up to eight (8) depending on the size selected.

■ **# Copies** – Use the **[-]** and **[+]** buttons to set the number of prints you want for the selected image.

   ■ **Copies [-] Button** – Use the **[-]** button to decrease the number of prints wanted for the image.

   ■ **Copies [+] Button** – Use the **[+]** button to increase the number of prints wanted for the image.

■ **Change to Grayscale** – Use the **Change to Grayscale** button to change the image from color to black and white.

> **Note**
>
> After an image has been converted from color to grayscale, the Change to Grayscale button changes to Revert to Color.
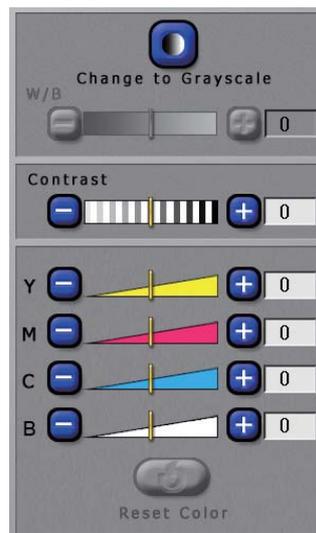
Figure 79. Grayscale, Contrast and Color adjustment

Figure 80. Grayscale/Revert to Color screen differences

■ **Revert to Color** – Use the **Revert to Color** button to change the image from black and white back to color.

■ **W/B Adjust** – Use the W/B **[-]** and **[+]** buttons to adjust the white balance of the grayscale image.

■ **W/B [-] Button** – Use the **[-]** button to lighten the white balance of the image.

■ **W/B [+] Button** – Use the **[+]** button to darken the white balance of the image.

> **Note**
>
> The white balance option only appears when an image has been converted from color to grayscale.

Figure 81. Revert to Color, White Balance and Contrast adjustment

■ **Contrast Adjust** – Use the Contrast **[-]** and **[+]** buttons to adjust the contrast of the image.

Contrast [-] Button – Use the **-** button to lighten the contrast of the image.

Contrast [+] Button – Use the **+** button to darken the contrast of the image.

Color Channel Adjust – Use the individual color channel - and + buttons to adjust the individual color channels of the image.
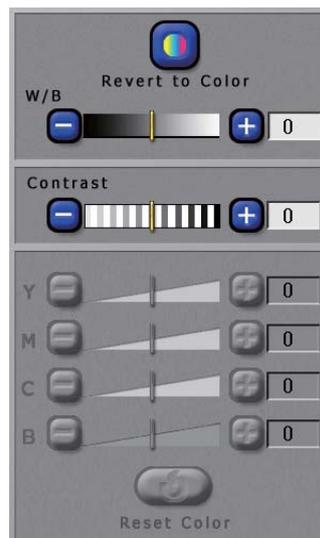
> **Note**
>
> Color Channel Adjustment is not available when the image has been converted from color to grayscale.

Yellow Color Channel – Use the yellow color channel **[-]** and **[+]** buttons to adjust the yellow color channel only.

Yellow [-] Button – Use the **[-]** button to decrease the amount of yellow in the image.

Yellow [+] Button – Use the **[+]** button to increase the amount of yellow in the image.

Magenta Color Channel – Use the magenta color channel **[-]** and **[+]** buttons to adjust the magenta color channel only.

Magenta [-] Button – Use the **[-]** button to decrease the amount of magenta in the image.

Magenta [+] Button – Use the **[+]** button to increase the amount of magenta in the image.

Cyan Color Channel – Use the cyan color channel **[-]** and **[+]** buttons to adjust the cyan color channel only

Cyan [-] Button – Use the **[-]** button to decrease the amount of cyan in the image.

Cyan [+] Button – Use the **[+]** button to increase the amount of cyan in the image.

Brightness Color Channel – Use the density color channel **[-]** and **[+]** buttons to adjust the brightness of the image. Brightness performs similar to what a black color channel would.

Brightness [-] Button – Use the **[-]** button to decrease the brightness of the image.

Brightness [+] Button – Use the **[+]** button to increase the brightness of the image.

Reset Color – Use the **Reset Color** button to return the image to its original color. Any color changes made will be lost.

> **Note**
>
> Prior to any color changes the Reset Color button is grayed out.

Apply Auto Correction – Use the **Apply Auto Correction** button to auto correct the color of an image.

> **Note**
>
> Not all Auto Corrections will be an improvement over the original. Auto-Corrected color is subjective.

Apply Auto Red Eye – Use the **Apply Red Eye** button to automatically remove the red eye effect from the image.

> **Note**
>
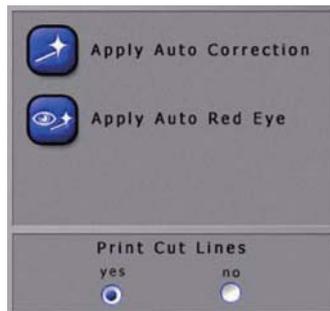> It is possible that not all red eye effects will be removed using this feature.

Figure 82. Auto Corrections and Cutlines

- **Print Cut Lines** – The cut lines are placed on the printed image to help you cut the print to the proper size for a particular photo ID type.

    - **Print Cut Lines Yes** – Click the Yes Radio button to print the cut lines on the printed photo.

    - **Print Cut Lines No** – Click the No Radio button to print the photo without the cut lines.

- **Save Parameters** – Click the Save Parameters button to save any photo ID parameters for later use.

- **Apply Saved Parameters** – Click the Apply Saved Parameters button to apply saved parameters to the selected image.

- **Save Image & Parameters** – Click the Save Image and parameters button to save the image and the parameters for that image.

- **Reset All Parameters** – Click the Reset All Parameters button to reset the parameters you set back the image's original state.

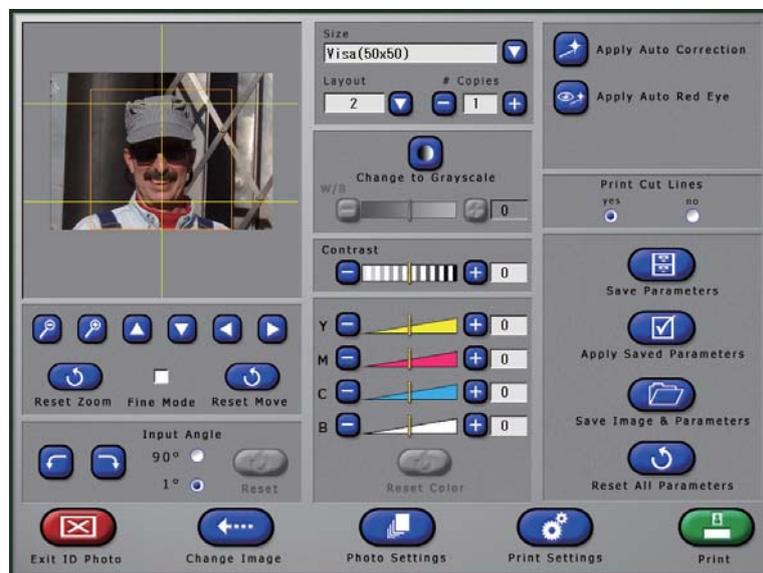*Figure 83. Parameters buttons*

- **Change Image** – Use the Change Image button to return to the Select Image screen.

- **Photo Settings** – Use the **Photo Settings** button to go to the Photo Settings screen.

- **Print Settings** – Use the **Print Settings** button to go to the Print Settings screen.

■ **Print** – Use the **Print** button when you are satisfied with the image and its placement in the stipulated facial area. The image will print on a single 3.5 X 5 print.

■ **Exit ID Photo** – Use the **Exit ID Photo** button at any time to end your ID Photo session.

> **Note**
>
> Any images loaded or work done during your session will be lost and cannot be retrieved if you exit the ID Photo application.

PHOTO SETTINGS SCREEN

The Photo Settings screen allows you to configure the size and spacing for a particular photo ID type. You can also create and save new photo ID types and settings on this screen.

Figure 84. Photo Settings screen

■ **Size** – Use the Size drop-down menu to select the type of photo ID desired. There are print size stipulations associated with many types of formal photo ID types.

> **Note**
>
> You can also enter a name for a newly created photo ID type in the size field.

■ **Height** – The Height field shows the height dimensions of the entire frame to be used for a photo ID.

■ **Width** – The Width field shows the width dimensions of the entire frame to be used for a photo ID.

■ **Headroom** – The headroom field shows the space between the top of the head and the top of the frame.

■ **Face Height** – The Face Height field shows the total space between the headroom line and the chin line.

> **Note**
>
> All these dimensions are in millimeters.

■ **Default Settings** – ID Photo allows you to configure the default settings for image color and cut lines.

■ **Grayscale** – The grayscale setting gives you the choice of printing all photos in color or black & white.

- **ON** – Click the **Grayscale On** radio button to set all images to be printed in black & white.

- **OFF** – Click the **Grayscale OFF** radio button to set all images to be printed in color.

Note

Despite the default setting, you have the choice to print any image in color or black & white in ID Photo.

Print Cut Lines – The cut lines are placed on the printed image to help you cut the print to the proper size for a particular photo ID type.

- **ON** – Click the **Print Cut lines On** radio button to place the cut lines on all images printed.

- **OFF** – Click the **Print Cut Lines OFF** radio button to remove the cut lines from all images printed.

Note

Despite the default setting, you have the choice to print any image with or without cut lines in ID Photo.

Lock Data – The **Lock Data** setting allows you to prohibit deleting the photo settings of an ID type using the Delete button.

- **ON** – Click the **Lock Data ON** radio button to disallow photo setting data to be deleted or modified.

- **OFF** – Click the **OFF** radio button to allow photo setting data to be deleted or modified.

Cancel – Use the **Cancel** button to disregard any changes made on this screen and return to the main Work screen.

Delete Settings – Use the **Delete Settings** button to delete any settings that have been saved for a particular ID type. The ID type is also removed from the drop-down menu.

Save Settings – Click the **Save Settings** button to save any photo setting changes made on this screen. You are returned to the main Work screen.

Exit Photo ID – Use the **Exit ID Photo** button at any time to end your ID Photo session.

PRINT / LOAD SETTINGS SCREEN

The Print / Load Settings screen allows you to configure the output settings for the final print. This is helpful because there are many size and spacing stipulations associated with different types of formal photo IDs.
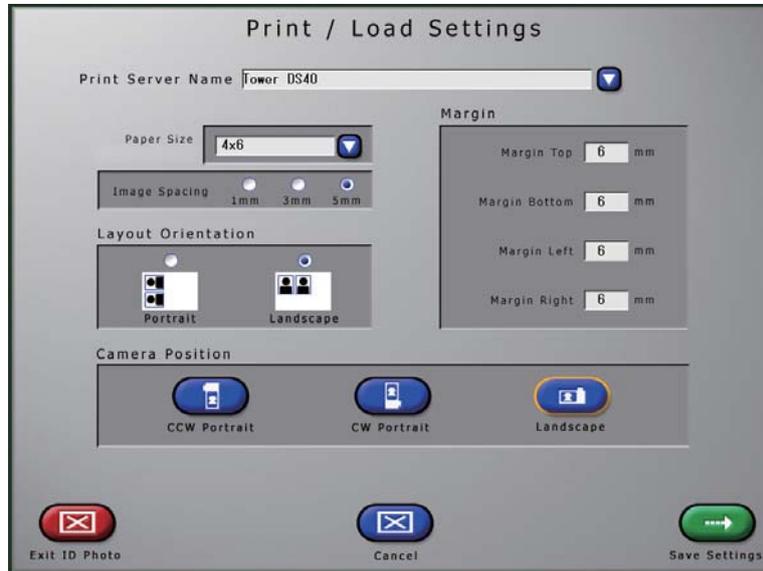

Figure 85. Print Settings Screen

- ■ **Print Server Name** – This field displays the printer connected to the system.

- ■ **Paper Size** – This field displays the paper size being used.

> **Note**
>
> Only 3.5x5 size prints are supported in ID Photo.

- ■ **Image Spacing** – ID Photo allows you to set the amount of space between images on a single print.

    - **1mm Radio Button** – Click the **1mm** radio button to put 1mm of space between each image on a single print.

    - **3mm Radio Button** – Click the **3mm** radio button to put 3mm of space between each image on a single print.

    - **5mm Radio Button** – Click the **5mm** radio button to put 5mm of space between each image on a single print.

- ■ **Layout Orientation** – ID Photo allows you to set the orientation of the images on the print.

    - **Portrait** – In portrait mode, images are placed across the short plane of the print.

    - **Landscape** – In landscape mode, images are placed across the long plane of the print.

- ■ **Margin** – ID Photo allows you to set the margins on a print. The margins are the amount of space between the out edge of the photo and the edge of the print.

    - **Margin Top** – Use this field to enter the size of the top margin in millimeters.

    - **Margin Bottom** – Use this field to enter the size of the bottom margin in millimeters.

    - **Margin Left** – Use this field to enter the size of the left margin in millimeters.

    - **Margin Right** – Use this field to enter the size of the right margin in millimeters.

- **Camera Position** – You can set the fixed position of the camera in ID Photo. Based on the camera orientation you choose, the software will automatically rotate the images from that orientation to the proper vertical orientation required for photo IDs.

  - **CCW Portrait** – Click the **CCW Portrait** button if the camera used to take the photo is in CCW portrait position. ID Photo rotates the photo 90 degrees clockwise.

  - **CW Portrait** – Click the **CW Portrait** button if the camera used to take the photo is in CW portrait position. ID Photo rotates the photo 90 degrees counter-clockwise.

  - **Landscape** – Click the **Landscape** button if the camera used to take the photo is in that position. No rotation takes place for this camera position.

- **Cancel** – Use the **Cancel** button to disregard any changes made on this screen and return to the main Work screen.

- **Save Settings** – Click the **Save Settings** button to save any print setting changes made on this screen. You are returned to the main Work screen.

- **Exit ID Photo** – Use the **Exit ID Photo** button at any time to end your ID Photo session.