

PhotoLynx® Auto Head Sizing User's Manual

Auto Head Sizing uses state of the art face detection to set any crop to all of your images, all with just a few clicks of the mouse. Set your preferred crop to a sampled image, and then Auto Head Sizing will apply that crop to all images to make them consistent throughout. You also have the ability to create hard cropped images, or a crop data file that can be imported in to ImageMatch® or Flow®.

PhotoLynx® Mission Statement

PhotoLynx®, Inc. strives to keep abreast of the latest hardware and software technology while continuing to support existing standards. PhotoLynx® places the highest value on supporting and serving our clients.

PhotoLynx® seeks to align itself with businesses providing hardware, software and services that will benefit our clients in the photographic industry.



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Getting Started

A quality internet connection is required to activate your software. Before installation, your computer must meet the following requirements:

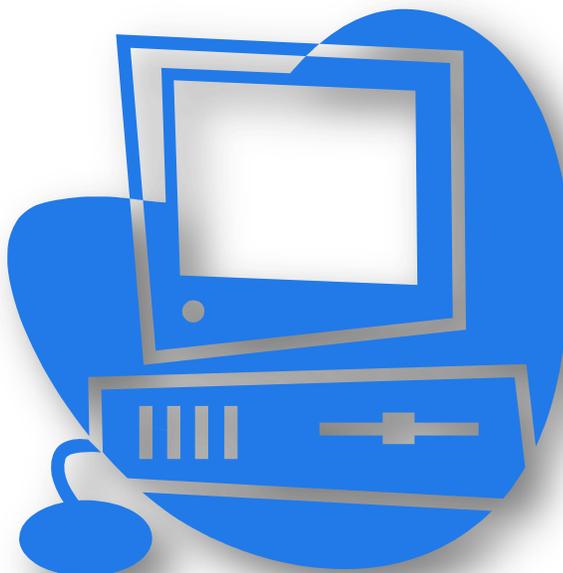
System Requirements

Minimum

- CPU - Intel or AMD multi core
- RAM - 4GB
- HD Space - 120GB
- Network - 100Mb Ethernet
- Internet - DSL or Cable
- Video - DirectX 10 compatible
- Resolution - 768 pixels tall
- OS - Windows 7 64bit

Recommended

- CPU - Intel i7 or above (Desktop)
- RAM - 8GB +
- HD Space - 256GB (SSD) System Drive
- Network - Gb+ Ethernet
- Internet - Fiber or Business Class Cable
- Video - Nvidia or ATI GPU with 1GB+ RAM
- OS - Windows 8 64bit





Instructions for Installing/Activating Software

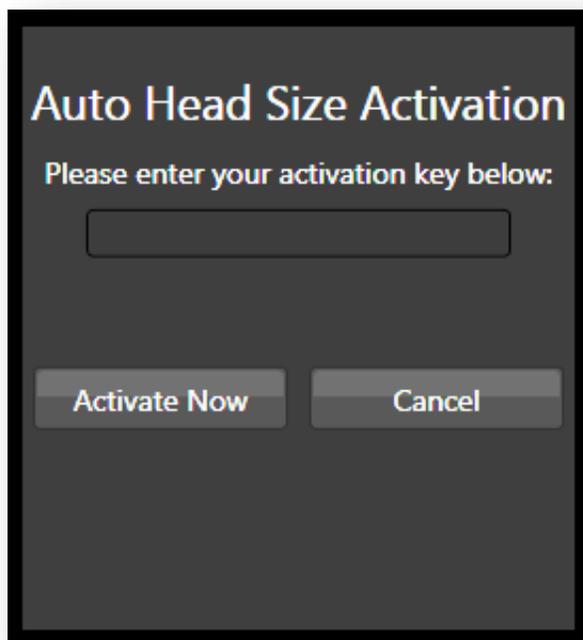
You should have received an email from either the PhotoLynx® Technical Support office or your lab with the installation link for Auto Head Sizing as well as your activation key.

To Install:

1. Right-click on the installer and select *Run as Administrator*
2. Follow the install prompts
3. Once finished installing, right-click on your Auto Head Sizing icon on your desktop
4. Select *Properties*
5. Under your *Compatibility* tab, check off *Run this program as an administrator*
6. Click *Apply* then *OK*

To Activate:

1. Copy/Paste your Activation Key into the Activation window and press *OK*
2. Your activation will automatically process through the internet.





Settings

Auto Head Sizing has several different settings you can choose from. Depending on your workflow you can select how many you need, if any. These settings are:

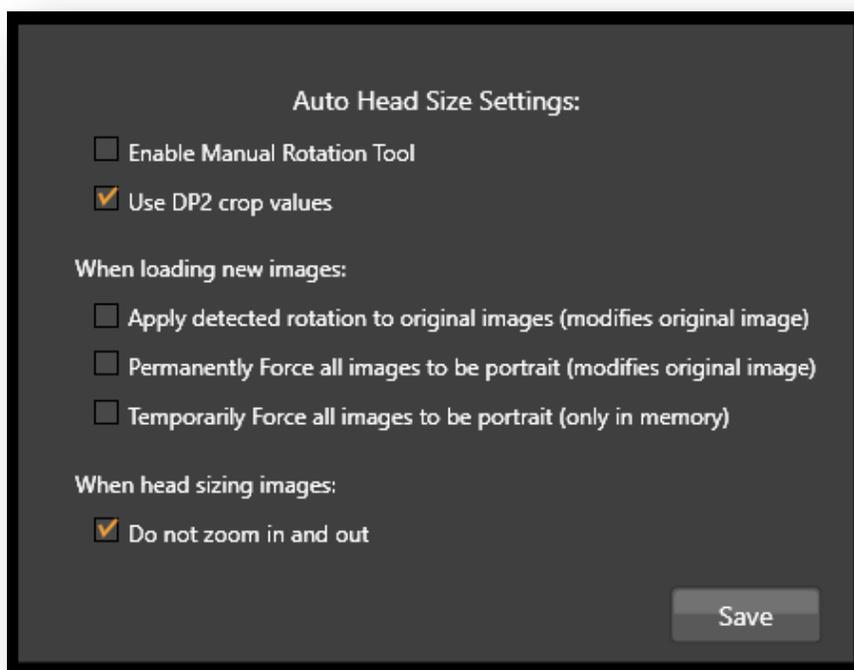
Use DP2 Crop Values

If you plan to send your images straight to a DP2 printer out of Auto Head Sizing, you can have Auto Head Sizing indicate the proper coding in the exported *Crop Data File* for DP2. To set this up:

1. Go to *File>Settings*
2. Check *Use DP2 Crop Values* and press *Save*
3. Apply your [crop](#)
4. Export a [Crop Data file](#)

Do Not Zoom in and Out

If you want your crops to be cropped by adjusting the image left/right or up/down without the option of zooming in or out on the face, select *Do Not Zoom in and Out*. This will then not change any of the heads sizes; however will adjust your crop area accordingly instead.





Rotation

If your folder of images you select has images that are rotated (**For Example: landscape rather than portrait**), you can rotate them within the Auto Head Sizing software. There are several different options. You can either have Auto Head Sizing *automatically* rotate them for you, or you can *manually* rotate them.

To Manually Rotate

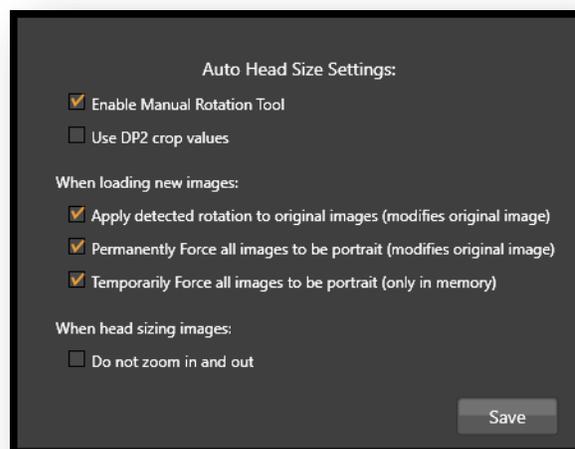
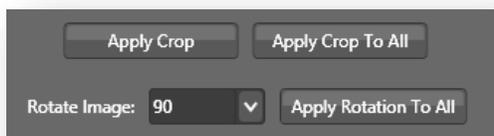
1. Go to *File>Settings*
2. Check off *Enable Manual Rotation Tool* and press *Save*
3. Go to *File>Choose Image Folder* and select your folder of images you want to head size
4. From your bottom menu, select an image that needs to be rotated
5. Underneath your image, you can select which rotation you would like to apply. To apply this rotation to all of your images, select *Apply Rotation to All*

To Auto Rotate

1. Go to *File>Settings*
2. Under *When Loading new Images* check off *Apply detected rotation to original images* and press *Save*
3. Go to *File>Choose Image Folder* and select your folder of images you want to head size
4. You will get a notification saying *Auto Rotate Source Images is enabled. Are you sure you want to auto rotate? Original Images will be modified.* Press *Okay*
5. Auto Head Sizing will then go through and automatically rotate all your images
6. You will get another notification saying *Done altering original images.* Press *Okay*

Force All Images to be Portrait

1. Go to *File>Settings*
2. Check off *Force all images to be portrait (rotate originals)* and press *Save* (select whether to make this *Permanent* or *Temporary*)
3. Go to *File>Choose Image Folder* and select your folder of images you want to head size
4. You will get a notification saying *Force all images to be portrait is enabled. Are you sure you want to auto rotate? Original images will be modified.* Press *Okay*
5. Auto Head Sizing will then go through and automatically rotate all your images
6. You will get another notification saying *Done altering original images.* Press *Okay*

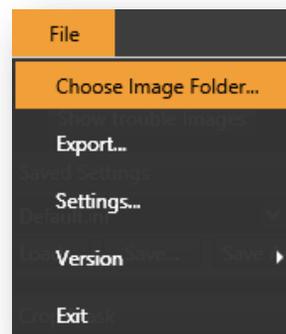




Loading Your Images

Once you have all your settings set up and are now in the main screen of Auto Head Sizing, you will want to select your folder of images to crop. To do this:

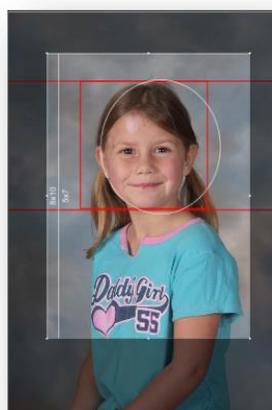
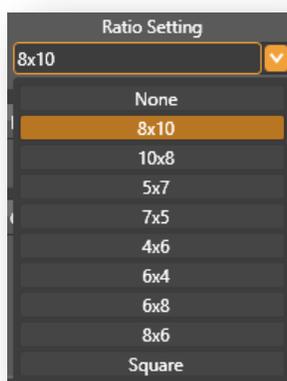
1. Go to *File>Choose Image Folder*
2. Browse out for your folder of images
3. Select *OK*



Selecting Your Crop

Once your images are loaded, you are now ready to set your crop ratio. As you will see in the first image, there will be two red “hair lines”. Auto Head Sizing will automatically detect the face of your subject.

1. You can select a pre crop ratio setup by selecting the size of your crop under *Ratio Setting*
2. Once the ratio has been defined, you can resize and drag your crop box to the specific location and proportion to your image. The size of the crop can be changed by clicking on one of the white boxes around the edges of the crop and dragging out, or by “zooming” by scrolling your mouse wheel. The location of the box can be moved by clicking on the crop with the mouse and dragging it to the desired location
3. You can see a preview of how your images look with their current crop in the *Crop Preview* area in the upper right hand corner of your screen when you press *Apply Crop*
4. Once you have your crop set up the way you are wanting it, press *Apply Crop to All*





Matching Crop Lines in ImageMatch®

You can set up Auto Head Sizing to match your head and chin line crop ratios you have set inside of ImageMatch®. To do this:

1. Note the head and chin line numbers you used inside of ImageMatch®. You can locate this by clicking on the boxes used to set your lines
2. Open Auto Head Sizing and [load your images](#)
3. [Select a crop](#) you wish to use on your images and *Apply Crop to All*
4. To the top right of your crop bar, you will see an orange bar. Drag the first one down until it matches the top number for your ImageMatch® head line. Then drag the second bar down to match the bottom number for your ImageMatch® chin line
5. Press *Apply Crop to All* one more time
6. [Export your crop data file](#) and [import your job into ImageMatch®](#). You should see your head and chin lines line up properly





Saving/Loading Settings

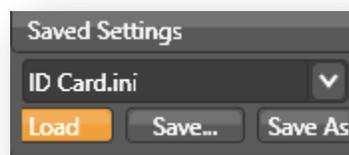
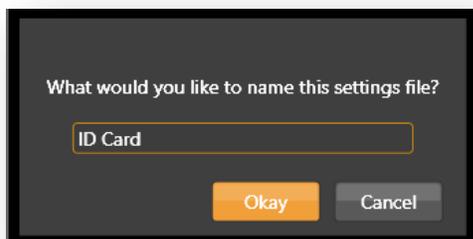
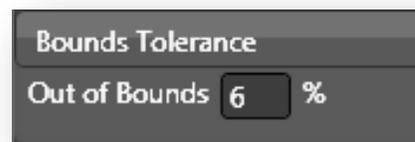
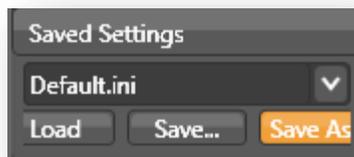
If you have a certain crop you will be using consistently, such as an ID card crop or Yearbook crop, you can save these settings to be reloaded, rather than always resetting the crop. To do this:

1. Set your crop you wish to save
2. Under *Saved Settings* select *Save As*
3. Enter the name for this setting (**For Example: ID Card**) and select *OK*
4. When you're ready to use this setting again in the future, simply select it from the drop down menu under *Saved Settings* and select *Load*
5. Select *Apply Crop to All*
6. Your previously saved crop settings will then be applied to your loaded images

Bounds Tolerance

Auto Head Sizing will automatically detect the subject's chin and hair line. When you set the crop, Auto Head Sizing will then go through and automatically crop everyone's photo based on their head and chin line and the crop information you provided – up to the percentage of *Bounds Tolerance* you have.

Your default *Bounds Tolerance* percentage is at 6%. Changing this tolerance level will allow how much tolerance you will allow your crop to be off from the original image you set your crop on. Decreasing this amount will tell the program you want the crop to allow more specific crops, whereas increasing this percentage makes it a little more lenient.





Crop Overlay

Auto Head Sizing will automatically come pre-loaded with a crop overlay in which you can use. If you have a transparent PNG crop overlay you wish to use, simply place this file in the following folder:

C:\Program Data\Auto Head Size\Overlays

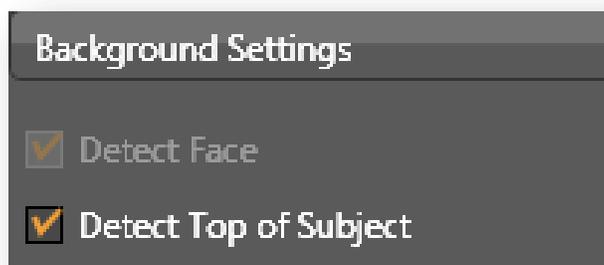
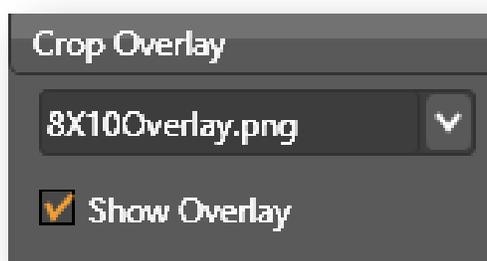
Once your PNG's are in this folder, you can select which overlay you would like to have displayed over your image simply by selecting it from the dropdown list under *Crop Overlay*. You can also opt to not use any overlay by unchecking the *Show Overlay* option.

Thumbnail Size

To change the size of the thumbnail images in your software, you can simply choose from one of three options in the drop down list under *Thumbnail Size*. Your options are *Small*, *Medium* or *Large*. Your software will automatically default to medium.

Background Settings

By default, Auto Head Sizing will detect the head line and chin line of your subjects. To make it so it will only detect the chin line and face, uncheck *Detect Top of Subject*. This comes in handy when you have a lot of noise in the background, or if many subjects have large hair styles that are making your crops inconsistent.





Exporting Your Crops

You have several selections when it comes to exporting your crops out of Auto Head Sizing. To view and choose your selections, go to *File>Export...* and you will see your Export options screen. From here you have the choice to *Create a Crop Data File* and *Generate cropped copies*. Simply check the options you would like and press *Export*.

Generated Crop Data File

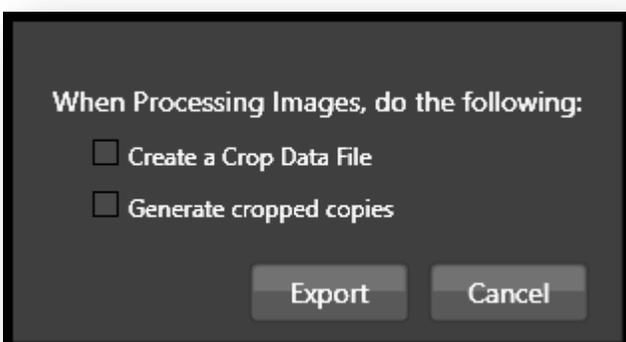
You can create a data file to pull into ImageMatch[®], Flow[®] or directly into your [DP2 printer](#), which will reflect your crops within your corresponding job.

1. Select *Create a Crop Data File* on your Export selection screen. A data file will then be exported and will be saved into your original images folder named *CropData.txt*

Generated Hard Cropped Copies

To create a folder of hard cropped images, select *Generate cropped copies* from your Export selection screen. This will then render out a folder of cropped images, named *Crops*, within your original image folder.

*****Keep in mind, these crops are non-destructive to the original image. Your original image will remain intact and you will see a folder of cropped images within your original image folder*****

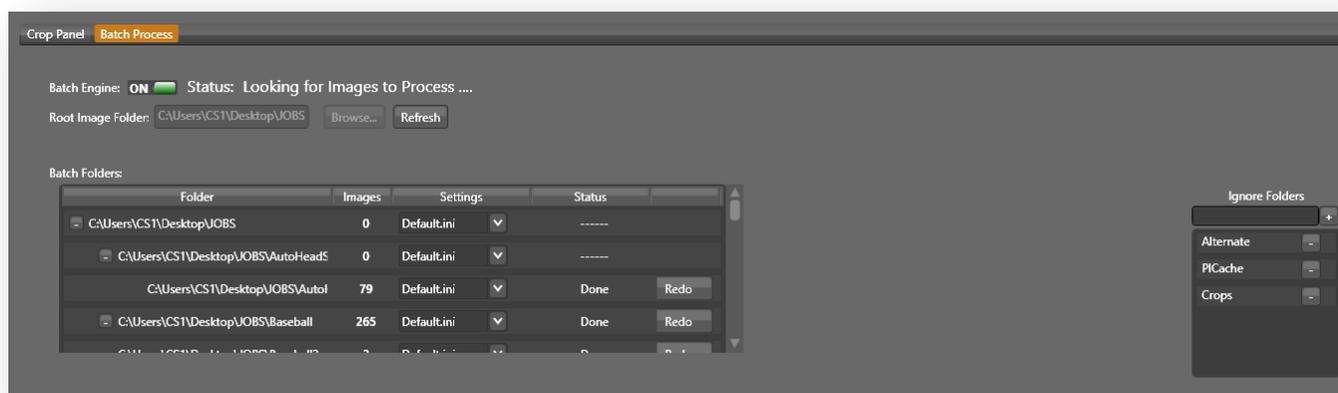




Batch Process

If you have purchased a batch processing license of Auto Head Sizing, you can set your software to automatically crop images as they are added to a folder. You will first want to make sure you set up a [Saved Setting](#) to use as a reference when doing batch process.

1. On your main Auto Head Sizing screen, switch to the *Batch Process* tab
2. Press *Browse* to browse out for a main *Root Image Folder*
3. If there will be folders inside of this *Root Image Folder* you wish to have Auto Head Sizing ignore, type the name of this folder under the *Ignore Folders* option and press the plus sign to add it to the list
4. Under your *Batch Folders* list, select your *Settings* to automatically apply for each folder
5. Once all set up, slide the *Batch Engine* button from *Off* to *On*
6. Auto Head Sizing will begin cropping per folder listed in your *Batch Folders*. You will see the progress under the *Status* menu
7. If you need to change a crop for any of these folders, select your *Settings* from the drop down and press the *Redo* button





Importing Crop Data

Once you have exported your crop data, you have several different options for bringing this data into ImageMatch® or Flow®, depending on your workflow.

Importing Crop Data into Flow®

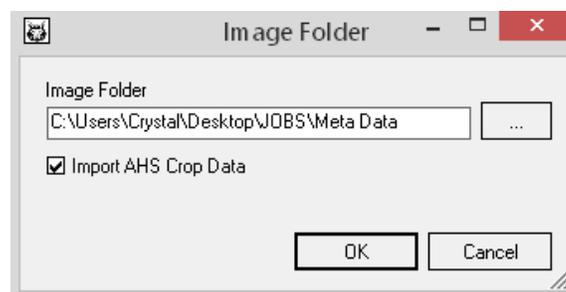
1. Inside of Flow®, go to your *Edit* screen
2. Click *Adjust Images* to open your cropping area
3. Click *Import Crop Data*
4. Browse out and select the correct crop data file from your folder of images
5. You will see your soft cropping automatically update in Flow®



Note: Because this is not a hard cropped image, you still have the ability to make any cropping adjustments necessary in Flow®, or apply a different crop data file at a later time

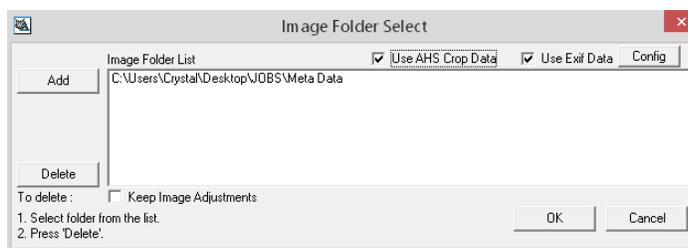
Importing Crops for New ImageMatch® Jobs

1. Inside of ImageMatch®, go to *File>Import Data* and go through your import wizard as you normally would
2. On your *Images Folder* selection, check off *Use AHS Crop Data*
3. Finish your import wizard to bring in your new job into ImageMatch®
4. Once your images are finished loading into ImageMatch®, you will see the crops you have created in Auto Head Sizing in ImageMatch®



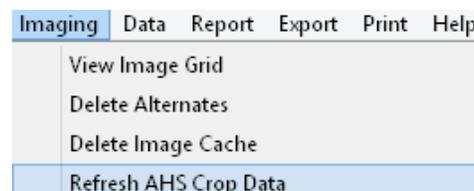
Importing Crops for ImageMatch® MetaData Workflows

1. Inside of ImageMatch®, go to *File>Select Image Directories*
2. Select *Add* and browse out to your folder of images. Be sure *Use AHS Crop Data* and *Use Exif Data* are checked at the top of your *Image Folder Select* screen and hit *OK* (if your ImageMatch® is not yet set up to read Exif Data, please contact our technical support team at 760-787-1177 for assistance)
3. Once your images are finished loading into ImageMatch®, you will see the crops you have created in Auto Head Sizing in ImageMatch®



Adjusting to a New Crop Set in ImageMatch®

1. Inside of ImageMatch®, go to *Imaging>Refresh AHS Crop Data*
2. The images will refresh themselves to the new crop ratio settings set from Auto Head Sizing



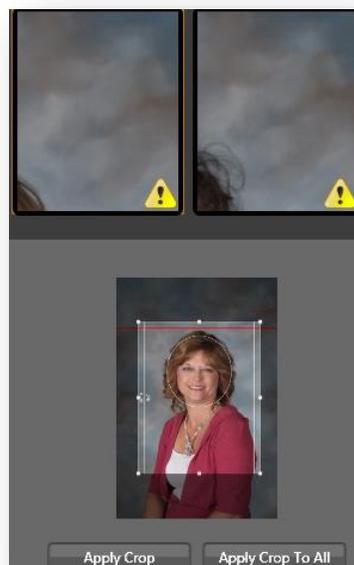


Adjusting Trouble Images

Once Auto Head Sizing has gone through the cycle of applying the crop to all the images, you then have the option to manually adjust your “trouble images”.

1. Select *Show Trouble Images*
2. You will see your “trouble images” listed at the top with a yellow exclamation point on the bottom right hand corner. Select the image you wish to adjust by selecting along the list of “trouble images” on the top row.
3. Correct the questioned crop by selecting and dragging the crop to where you would like to have it placed on the image. Once corrected, press *Apply Crop*.
4. Verify the cropping on all your “trouble images” through the process used in steps 2 and 3.
Note: *If importing crop data into ImageMatch® or Flow®, you can make any necessary adjustments in these programs, as they are not hard cropped images.*

Show trouble Images



Apply Crop

Apply Crop To All