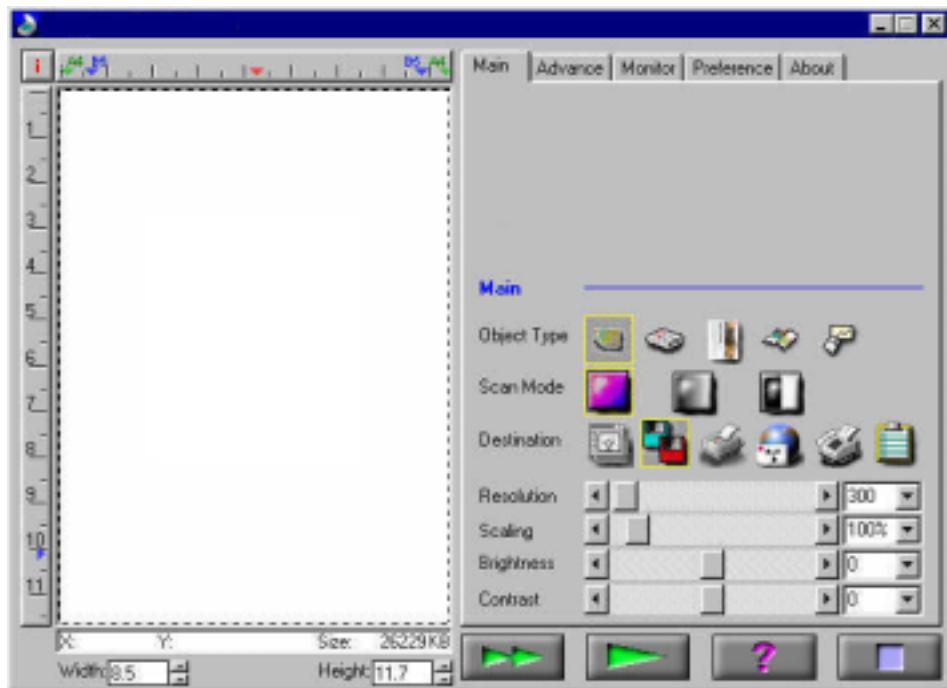


Operation

Main page

This page lets your scanner operate in the basic mode. All the control settings available here are fundamental to the scanning process. These settings include scan mode, scanning destination, resolution, brightness, contrast and scan control button. The Main page window is shown as follows.



The TWAIN source window is divided into three major parts: title bar (on the top), Preview Window (on the left) and property pages (on the right).

Title bar

The title bar displays the name of the TWAIN source. You can move the window around on your screen by positioning your mouse cursor on the title bar. Hold down the left mouse button and drag the window to the desired location, and then release the mouse button. The icons located at the end of the title bar can be used to minimize the window to its smallest size or to close the window.

Preview Window

The Preview Window is where the prescan image is displayed with ruler markings along its edges. You can change the ruler unit by simply clicking the unit box on the upper left corner of the Preview Window. Three ruler unit measurements are available: inch, centimeter and pixel.

On the bottom of the left Preview Window shows the width and height of the selected scan area as well as its size, and the current position of your cursor.

Property pages

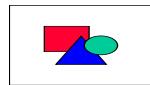
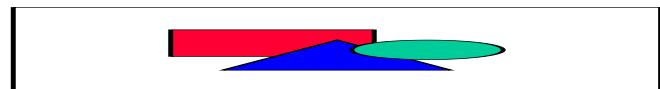
You can flip these property pages by clicking the tags on the top. Their functional details are described in the section of each page.

There are four buttons located on the bottom of the Property pages for you to do the basic scanning operation of the TWAIN source window with one simple click. For details, please see next paragraph.



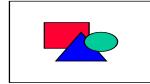
Scan Control Buttons

Four functional buttons, Prescan, Scan, Help, and Exit, are at the lower right end of the page. A tip box will appear to remind you of the function of each button as you locate the cursor on it.



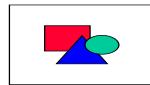
Prescan Button

Click the Prescan button to perform an immediate low-resolution scan. The prescan image will be displayed in the Preview window.



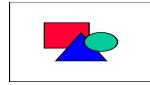
Scan Button

Click the Scan button to perform the final scan and send the result to the destination determined by you. Click the Scan button will prompt you to give a file name for saving your scanned image if you set "file" as your scan destination.



Help Button

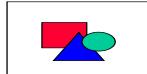
Click this button to acquire help.



Exit Button

Close the TWAIN source window.



When placing the material(s) to be scanned on the scanner, press  to view the scanned image on the Preview Window. Define the scan areas then press  to proceed scanning.

Define the scan areas

To define a scan area, move the cursor to the Preview window when the first prescan is done. Press the left mouse button and drag a rectangle to the desired size. Release the mouse button. Repeat the same step to define more scan areas. To discard the current selection, simply click the left mouse button outside the rectangle anywhere in the Preview Window.

You can move the entire scan rectangle by placing your cursor inside it. When the cursor changes to a four-way arrow, hold down the left button of your mouse and drag the rectangle to the desired location. You can either change the size of the scan area by dragging any of its four edges/corners when the cursor becomes a two-way arrow at the edge of the scan rectangle or directly type values in the Width and Height box to outline the rectangle. These values are measured with the unit specified in the unit box on the upper left corner of the Preview Window.

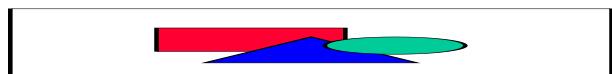
After reviewing the prescan image, you can use various image enhancement tools to strengthen the look and quality of your final scanned image. Please refer to Advance page for more details.



Main Settings

Object Type

There are many functions in Object Type section. You can make the most of them to acquire the best image quality. As images are scanned directly from screen-print media (like newspapers or magazines), you should notice that scanned images usually include wavelike patterns and lines. As long as the scanning resolution is not set too high, you can use this function to remove these annoying effects. For example, if your scanning image is newspaper material, the scanner will automatically adjust the scanned image to high newspaper quality.



Normal

You need not select this icon if your document is photo or better quality images.



Newspaper

For newspaper document selection.



Catalog / Magazine

For catalog or magazine document selection.



Art Magazine

For art magazine document selection.



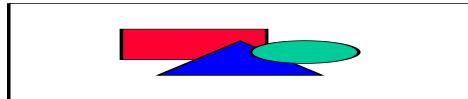
User Define Object

Select this icon and a dialog box will appear. You can either enter the desired value in the number box or use the scroll bar.



Scan Mode

Scan mode lets you decide how the scanner will interpret your image. Three choices are available in the TWAIN source: Color mode, Gray mode, and B/W (black/white) mode.



Color mode

Select Color mode for color images.



Gray mode

Select Gray mode for images that contain 256 shades of gray.



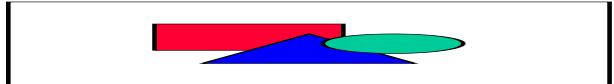
B/W mode

Select B/W for texts and illustrations that contain only black and white without gray shading.



Destination

Destination is the location where you would like your final scanned image to be sent. There are six options available: Application, File, Printer, Email, Fax, and Clipboard. Please select one of the destinations before scanning to have the scanned image sent to the desired location.



Send to Application

Click this button to send the scanned image to your application program.



Send to File

Save your scanned image as a file. The TWAIN source window will prompt you to give a filename for saving.



Send to Printer

This selection lets you send your scanned image directly to the defined printer for a printout. Please go to the Preference page to set up the printer.



Send to Mail

This function lets you send the scanned image to others through e-mail. The TWAIN source window will prompt you to give a file name for saving the image that is going to be attached to your email.



Send to Fax

This lets you send your scanned image to other people as a fax message. Please go to the Preference page to set up the fax driver...



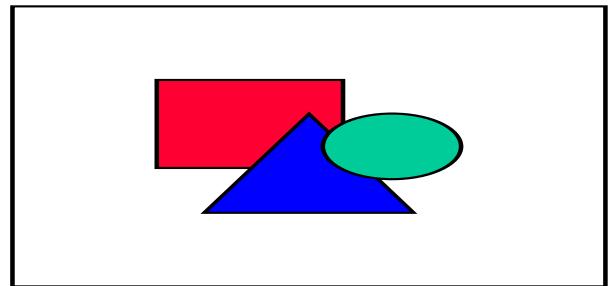
Send to Clipboard

Click this button to save the scanned image in the clipboard so it can be used in another.



Scaling

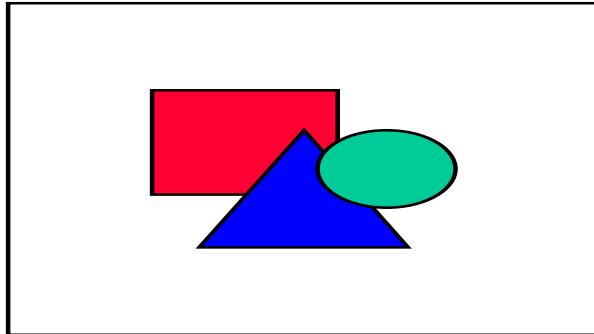
Scaling helps you to change the size of the scanned image document by clicking the arrow or entering a number in the edit box.





Resolution

The resolution is measured in dots per inch (dpi), which is used to represent the image detail in a given area. The available resolution ranges from 50 to 19200 dpi. Generally, the higher the resolution, the sharper and higher the quality of the scanned image. However, in some cases, high resolution is not necessary because resolution is determined or limited by many factors: image type, the original image resolution, the output device resolution, the available storage space on your hard disks, etc.



Normally you should choose a resolution that matches the resolution of the output device. The following list is our suggestion:

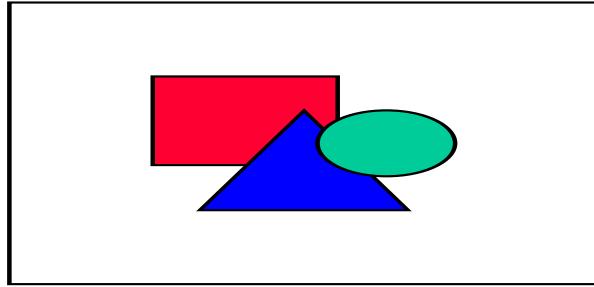
72 - 100 dpi	for CRT Display
72 - 216 dpi	for 9-pin Dot Matrix Printer
100 - 400 dpi	for 25-pin Dot Matrix Printer
100 - 400 dpi	for Facsimile
100 - 600 dpi	for Laser and Inkjet Printer

You can adjust the resolution by using the scroll bar (moving the box, clicking the arrow icons or clicking on the space between the box and the icon), directly keying in the value into the number box, or selecting a value in its drop-down combo box to the desired resolution.



Brightness

Brightness refers to the intensity of light reflected from or transmitted through an image. The larger the brightness value, the brighter the image appears. Brightness is indicated by a percentage ranging from -100 to +100, and is set to "0" as the default. You can either use the scroll bar (moving the box, clicking the arrow icons or clicking on the space between the box and the icon), key in the value into the number box or select a value in its drop-down combo box to change the value.



For B/W images, adjusting the brightness of a prescan image is actually setting a threshold for the scanner sensors to interpret the scanned data. Data above the threshold will be interpreted as the white area, while data below the threshold as the dark area.



Contrast

Contrast refers to the differences in the brightness between the light areas and the dark areas of an image. The larger the contrast value, the higher the differentiation between the light and the dark areas. Contrast is indicated in percentage ranging from $-V100$ to $+100$, and is set to "0" as the default. You can either use the scroll bar (moving the box, clicking the arrow icons or clicking on the space between the box and the icon), key in the value into the number box or select a value in its drop-down combo box to change the value.

