

EXHIBIT 5

User's Manual

User's Manual

FO:ED: FF740200 11/08/00

DuoScan T2500

Getting Started Macintosh



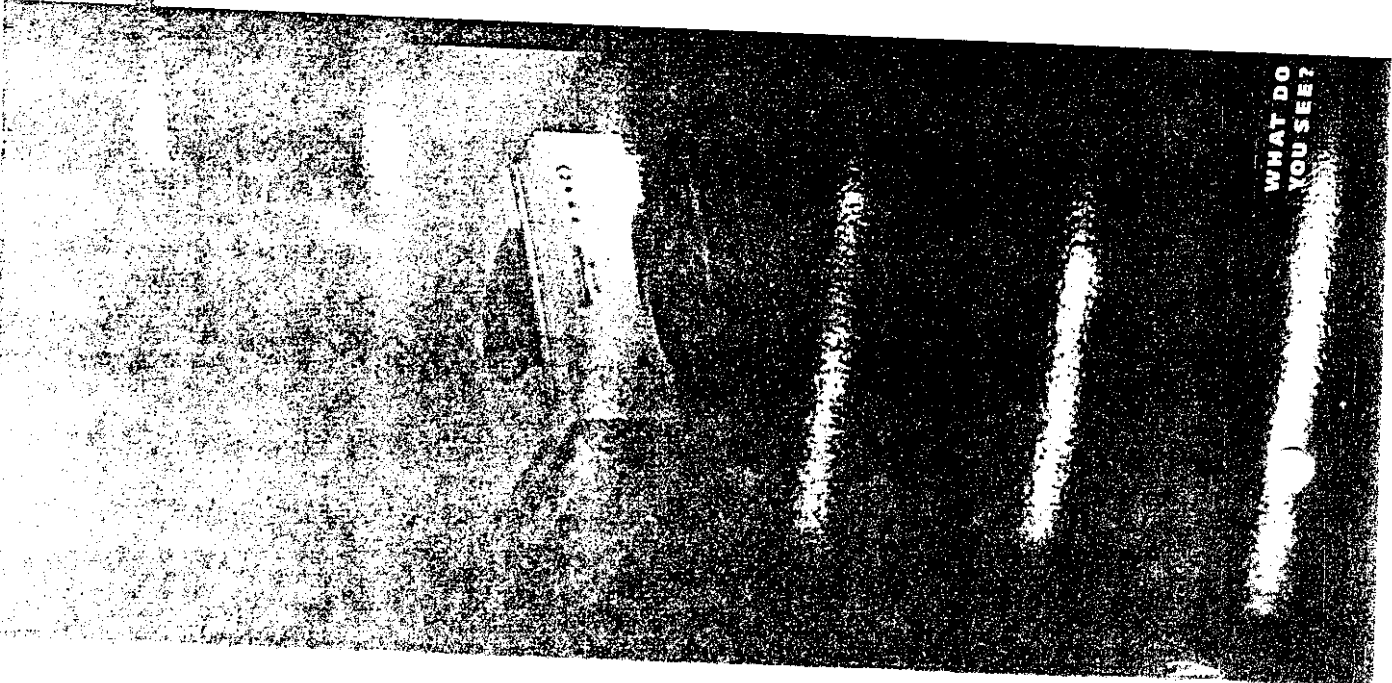
The complete picture.

T2500

■ MACINTOSH VERSION

- Getting started
- Prise en main
- Kurzanleitung
- Preliminare
- Guida di apprendimento per utenti

AGFA 
 The complete picture.



WHAT DO YOU SEE?

WHAT DO YOU SEE?

AGFA 
 The complete picture.

Federal Communications Commission (FCC) Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient/relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: Shielded interface cable with ferrite core installed on scanner connector end must be used with this equipment.

3rd Edition

Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

Chapter 1 Installing the Scanner

This chapter describes how to install the scanner and how to install the software.

It is assumed that you have no other external SCSI devices installed and that you use the cables that are supplied by Agfa.

❖ *Note: For other configurations and for more detailed information, read electronic file of the Owner's Guide (DocSrvr72500.pdf) on the CD-ROM.*

Unpacking the Scanner

1. Open the packing box and take out all items carefully.
2. Check each item to make sure that there is no visible defect. Check with your packing list if something is missing. If something is missing or damaged, please contact your dealer or Agfa service representative.
3. Remove the plastic wrapping and the packing materials from the scanner.

❖ *Note: Save the packing materials to protect the scanner when you have to move it over long distances.*

Declaration of Conformity

Manufacturer's authorized:

Peter Van Goolen
Agfa-Gevaert N.V.

Schietstraat 27
B-2010 Morselt

Dealers that the product

Agfa DuoScan T2580's
Image scanner

Complies with the requirements of the Low Voltage Directive
73/23/EEC, 93/68/EEC

The product complies with the following standards:

EN 60950-1:1997 / A1:1997/ A2:1993

Complies with the requirements of the EMC directive 89/336/EEC
The product complies with the following standards:

EM 50081-1, EN 55022 class B

EN 50082-1, IEC 1600-4-2, IEC 1000-4-3, IEC 1000-4-4

The product is marked with the CE marking.

The manufacturer of the product is certified according to ISO 9002.

Peter Van Goolen

Director of customer support EHS Morselt

Agfa-Gevaert N.V.

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Conventions

The following conventions are used in this documentation:

- ❖ *Note: a note of this type gives you additional information.*
- Listed items are preceded by a small red square.
- 1. Numbered steps describe the actions you must take to perform a task.

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3 Making your First Scans

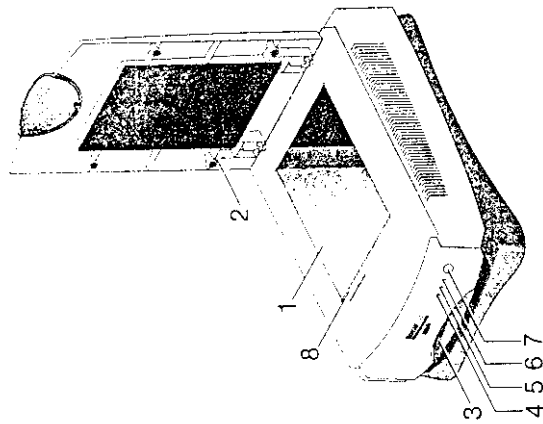
- Introduction
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- Scanning a Gray-Scale Reflective Original
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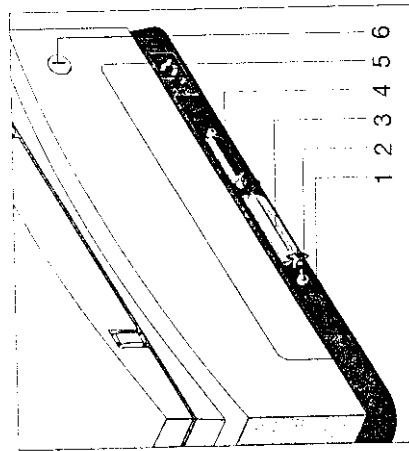
- Scanning a Color-Screened Original
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Taking a Closer Look

Now that you have the scanner out of the box, take a closer look so that you become familiar with its parts. The figures illustrate the locations of the different parts of your DuoScan T2500™.



1. reflective glass plate
2. adjustable document cover
3. transparency tray
4. busy indicator for transparency scanning
5. busy indicator for reflective scanning
6. power indicator (green light)
7. power switch
8. rulers



1. SCSI ID switch
2. internal terminator switch
3. 50-pin SCSI interface connector
4. 25-pin SCSI interface connector
5. power input
6. unlocking screw

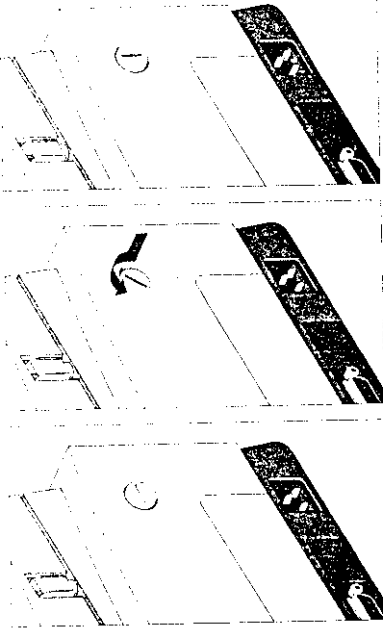
Installing the Scanner

The optical assemblies of the scanner and the transparency module are held in place during shipment by a locking screw which must be loosened before the scanner can be operated.

1. Look for the unlocking screw at the rear of your DuoScan T2500.
2. Take a coin and turn the screw counterclockwise in the unlock position.

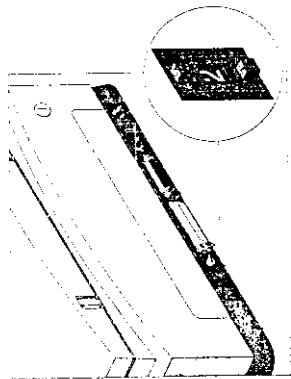
The screw comes loose; your scanner is unlocked.

- ❖ *Note: Leave the locking screw in place so that you can lock the scanner if you have to transport it. For locking the scanner properly, refer to the Owner's Guide.*

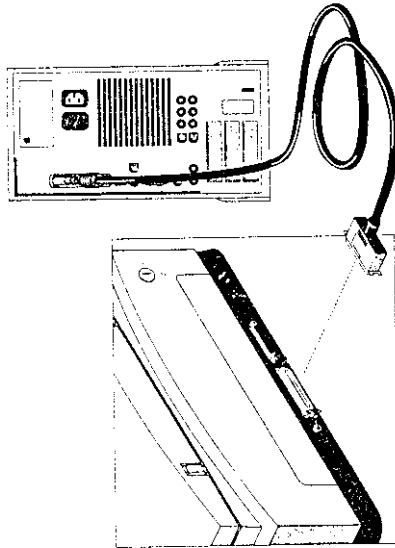


3. Check at the rear of the scanner if it is set to SCSI ID number 2. If not, set it to SCSI ID number 2.

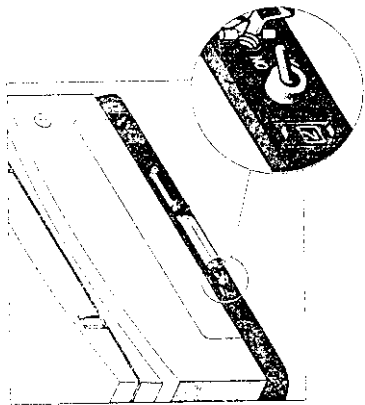
- ❖ *Note: If SCSI ID number 2 is used by another SCSI device, check which SCSI ID is free, and set the number to a free SCSI ID.*



4. Switch off your computer and disconnect the power cord.
5. Plug one end of the SCSI cable into the SCSI port of your computer.
6. Plug the other end of the SCSI cable into the SCSI connector at the rear of the scanner.



7. Switch on the internal terminator. The internal terminator is on when the terminator switch is pointing upwards.



8. Connect the power cord to the computer.
9. Connect the power cord to the scanner.
10. Switch on the scanner. The scanner performs a self-test: First, the power indicator switches on and the busy indicators start blinking. After a few seconds, the busy indicator for transparency scanning also switches on while the busy indicator for reflective scanning continues blinking for about half a minute. At the end of the self-test, the blinking busy indicator also switches on.
11. Switch on your computer.
 - ❖ *Note: If you experience problems after connecting a SCSI device, refer to your computer manual.*

Installing the Software

Minimum Hardware and Software Requirements

The amount of disk space available on your Macintosh® computer determines the number and size of the images that you can capture. Make sure that you have enough free storage space on your hard disk. You need storage space about two times the size of the image to capture and save an image. You need storage space about four times the size of the image to capture, edit and save an image.

- Minimum requirements to work with FotoLook™ PS (Photoshop™ plug-in):
 - a Power Macintosh®
 - 24 MB of RAM (14 MB given to Photoshop and 5 MB Largest Unused Block in About This Macintosh)
 - a 17 inch (832 x 624) monitor with thousands of colors
 - System™ 7.1
 - 20 MB of free disk space on the start-up disk
 - a CD-ROM drive
- Minimum requirements to work with FotoLook SA (stand-alone version) (Production mode):
 - a Macintosh with 68030/68040 processor and mathematical co-processor
 - 16 MB of RAM
 - a 15 inch (800 x 600) monitor
 - System 7.1
 - 20 MB of free disk space on the start-up disk
 - a CD-ROM drive

Installing the Software

The FotoLook Installer installs all the necessary software on your Macintosh. Refer to the Read Me file for more information. Make sure that an image editing package supporting FotoLook is installed.

1. Disable the virus protection software by turning it off in the Extensions Manager Control Panel or by dragging the virus protection software out of the System Folder.
2. Restart your computer.
3. Insert the Agfa Scanners CD-ROM in the CD-ROM drive of your Macintosh computer.
4. Double-click the Installer icon.
5. Follow the instructions on your screen.

The installer searches for the proper folder to install FotoLook. If you have different folders in which FotoLook PS plug-in could be installed, the installer lets you choose the folder in which you want to install FotoLook PS plug-in.

After the installation, you will find an alias to the FotoFlow folder in the Agfa FotoLook folder. This folder is placed by default on the top level of your start-up disk.

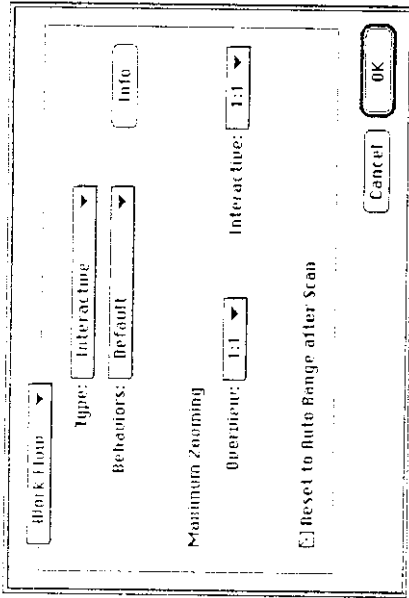
Installing FotoLook PS for Adobe Photoshop

FotoLook PS is the scanner driver for Adobe Photoshop. You need Photoshop version 3.0 or a more recent version.

The FotoLook PS plug-in module should be installed in:
Photoshop -> Plug-Ins -> Import/Export folder (Acquire/Export for Photoshop 3.0). The installer will try to find this folder for you.

It is recommended to give Adobe Photoshop at least 14 MB of memory. There should be at least 5 MB Largest Unused Block in the About This Macintosh window.

- ❖ *Note: The amount of memory needed depends on the size of your preview window and the Maximum Zooming factor that you set in the Options dialog box in FotoLook.*



You need:

- 4 MB unused block for a small preview window (1:1 Max. Zoom)
- 7 MB unused block for the largest preview window (1:1 Max. Zoom)
- 21 MB unused block for the largest preview window (2:1 Max. Zoom)
- 44 MB unused block for the largest preview window (3:1 Max. Zoom)

Using FotoLook PS for Other Applications

For the installation of the FotoLook PS plug-in module for the various software programs, refer to their respective user's guides.

- Canvas™ 5: Choose Acquire from the image menu.
- Color It!™ 3.0: Choose Scan/Import from the File menu.
- DeBabelizer® 1.6.5: Choose Acquire from the File menu.
- Fractal Painter 4.0: Choose Acquire from the File menu.
- IPLab™: Choose Plug-In Access from the Control menu. Choose Acquire and select the FotoLook PS folder.
- Live Picture™ 2.5: Choose Acquire from the Converter menu.
- Macromedia xRes™ 3: Choose Acquire from the File menu.

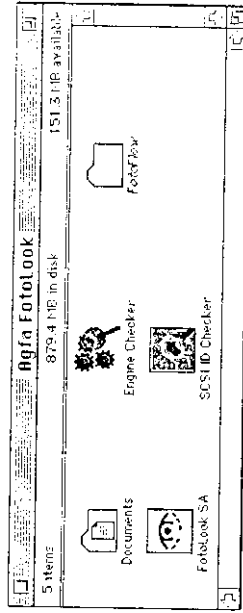
- NIH Image™ 1.60: Choose Acquire from the File menu.
- RagTime™ 4.0: Choose Import from the File menu.
- Corel® ARTISAN 6: Choose Acquire from the File menu.

Using FotoLook SA (Stand Alone)

FotoLook SA is a stand-alone scan application and is automatically installed in the Agfa FotoLook folder by the installer. If required, you can move FotoLook SA to another folder.

To start FotoLook SA, carry out the following instructions:

1. After installation, an Agfa FotoLook folder is created on the top level of your start-up disk. Open this folder.



2. Double-click the application icon of FotoLook SA. The FotoLook SA menu bar appears.
3. Choose Scan in the File menu.

❖ *Note: To quit the FotoLook application, choose Quit from the File menu.*

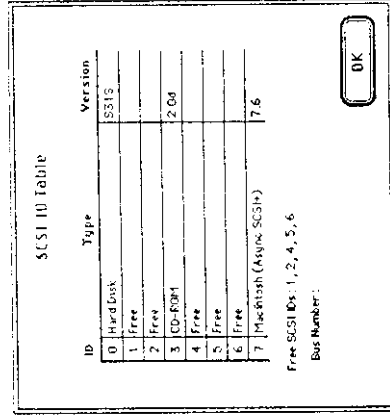
Using the SCSI ID Checker

You can find the SCSI ID Checker in the Agfa FotoLook folder after you have installed the software. You can use the SCSI ID Checker to verify if your scanner is part of your SCSI chain. Here you can also find out which SCSI ID numbers are already assigned and which numbers are free.

❖ *Note: Please refer to the Owner's Guide of your scanner for more information about SCSI IDs.*

1. Double-click the SCSI ID Checker icon in the Agfa FotoLook folder on your hard disk.

A dialog box appears with a list of the SCSI ID numbers in your Macintosh computer.



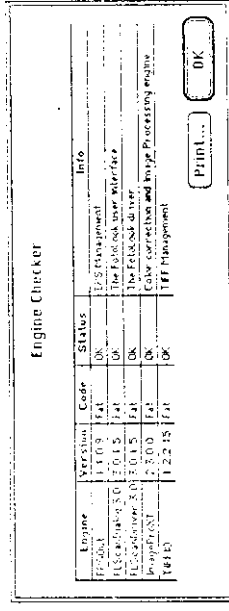
Your Macintosh always occupies ID 7, its internal hard disk usually occupies ID 0 or ID 1 and its CD-ROM usually occupies ID 3. If your Macintosh is equipped with 2 SCSI-busses, the button Next Bus allows you to switch busses.

2. Click OK to close the SCSI ID Checker.

Using the Engine Checker

Once the software is installed you can verify if the engines are correctly installed.

1. Double-click the Engine Checker icon in the Agfa FotoLook folder on your hard disk.



2. Check for every engine whether its status is OK.
3. Click OK.

Chapter 2 Placing your Originals

This chapter explains how to place originals in your scanner.

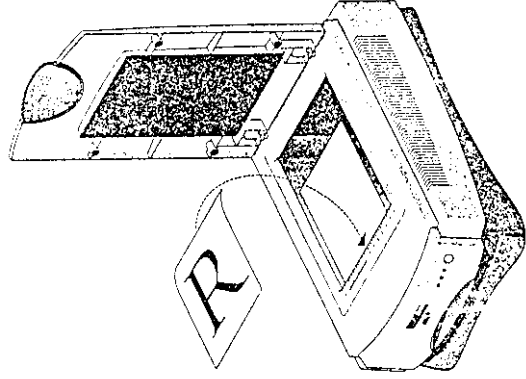
Placing Reflective Originals

You place a reflective original such as a photograph, directly on the scanner's glass plate.

When you want to scan your originals in high-resolution output, make sure that you place them in the high-resolution area indicated by the high-resolution mark on the front ruler.

Scanning an Original in Standard Resolution Output

1. Open the document cover of the scanner.
2. Center the original face down on the glass plate with the top side against the middle of the front ruler.



If you put more than one reflective original on the glass plate, position them as close to the center line as possible to optimize quality.

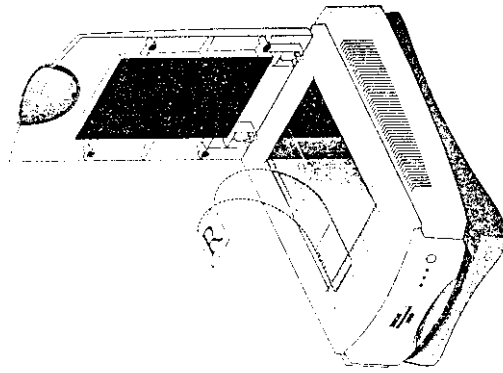
❖ *Note: Optical performance for images in standard resolution output on a CCD scanner is always best near the middle of the scan area. However, the specified scan quality is guaranteed for the entire scan area.*

3. Close the document cover of the scanner.

❖ *Note: The removable document cover makes it possible to scan from books and magazines. When you put a thick original on the reflective glass plate, the document cover adjusts automatically to the thickness of the original. If necessary, you can remove the document cover completely by lifting it.*

Scanning an Original in High-Resolution Output

1. Open the document cover of the scanner.
2. Center the original face down on the reflective glass plate in the high-resolution area.

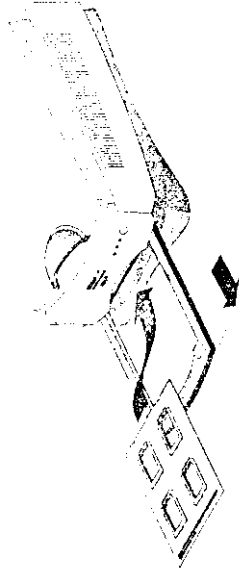


❖ *Note: The image quality with high-resolution scanning is best in the center of the high-resolution scan area.*

3. Close the document cover of the scanner.

Placing Transparent Originals

When you scan transparent originals, you use the universal glass plate or one of the four batch slide holders which you put into the transparency tray.



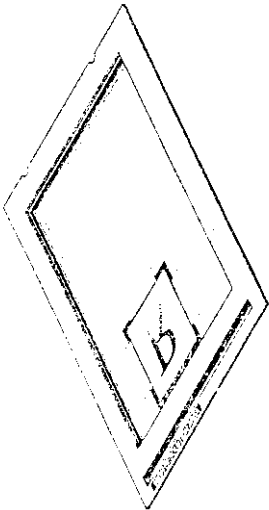
❖ *Note: It is not possible to pull out the transparency tray completely. When you want to scan your originals in high-resolution output, make sure that you place them in the high-resolution area indicated by the high-resolution mark on the holder.*

Using the Universal Glass Plate

Caution: When you use the universal glass plate, you always have to attach your transparent originals with the single slide holders or with adhesive tape. Otherwise you might loose them in the scanner.

Scanning a transparent original in standard resolution output

1. Center the original face down on the universal glass plate so that its top side is directed towards the calibration slit. Make sure that you clip the original underneath the front edge of the universal glass plate.

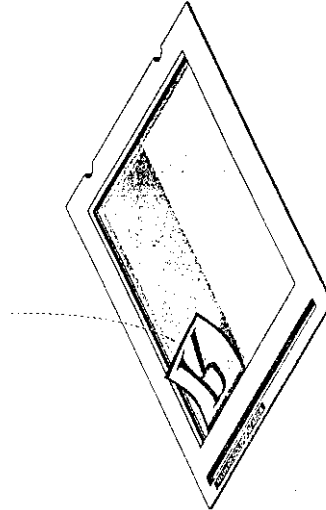


This position guarantees the best quality. Fix the original with one of the single slide holders or with adhesive tape.

2. Put the universal glass plate into the transparency tray with the calibration slit to the front of the scanner.
- ❖ *Note: The holders can only be put into the transparency tray with the calibration slits to the front of the scanner. You can also check this in another way: the side with the two little grooves has to be inserted first because the grooves match inside the scanner.*

Scanning a transparent original in high-resolution output

The scanning of a transparent original in high-resolution output is almost identical to the scanning of an original in standard resolution output. The only difference is that for high-resolution scanning, you have to place the original in the high-resolution area.

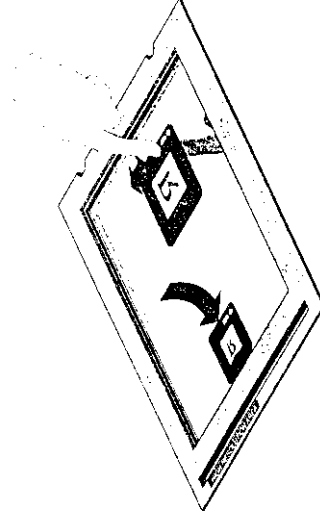


Using the Single Slide Holders

You put your originals in a single slide holder to make sure that the original lies flat on the glass plate and to avoid overexposure near the edges. There are three sizes of single slide holders: 35 mm, 6 x 6 cm, and 4 x 5 inch.

Scanning a transparent original in standard resolution output

1. Put your original in the appropriate single slide holder.
2. Center the original face down on the universal glass plate so that its top side is directed towards the calibration slit.
This position guarantees the best quality.
3. Fix the single slide holder on the universal glass plate by pushing it firmly down.



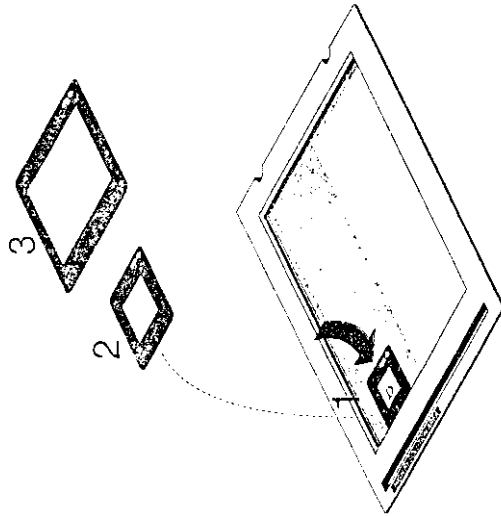
The rear of the holder has a glass adhesive strip, so the frame is secured to the glass. The holder can still be removed easily.

4. Put the universal glass plate into the transparency tray with the calibration slit to the front.

The specifications of the scanner, such as resolution, apply to the whole scan area. However, image quality is always at its optimum in the middle of the scan area.

Scanning transparencies in high-resolution output

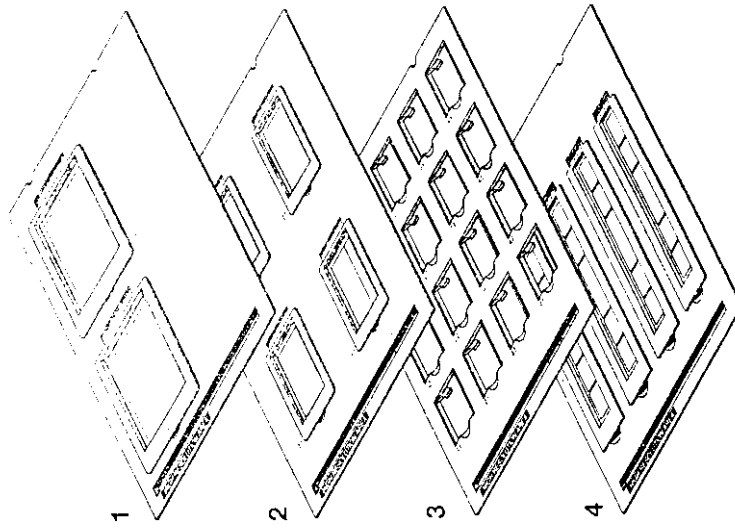
The scanning of transparencies in high-resolution output is almost identical to the scanning of originals in standard resolution output. The only difference is that for high-resolution scanning, you have to place the originals in the high-resolution area.



1. 35 mm single slide holder
2. 6 x 6 cm single slide holder
3. 4 x 5 inch single slide holder

Using the Batch Slide Holders

You find different types of batch slide holders with your DuoScan T2500 which you have to put into the transparency tray. With the batch slide holders many combinations are possible.



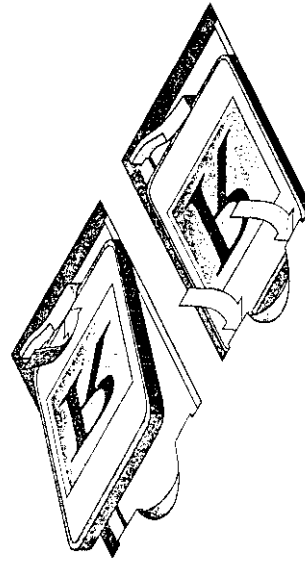
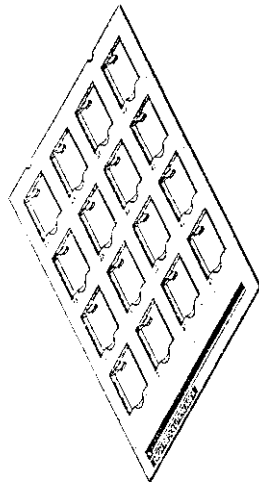
1. 4 x 5 inch batch slide holder
2. 6 x 9 cm batch slide holder
3. 35 mm framed batch slide holder
4. 35 mm strip slide holder

35 mm framed batch slide holder

This holder can hold a maximum of sixteen premounted slides at the time. Once loaded, you put the holder into the transparency tray.

1. Put your original face down in the 35 mm framed batch slide holder.

Make sure that you put the originals that you want to scan in high resolution output in the high-resolution area.



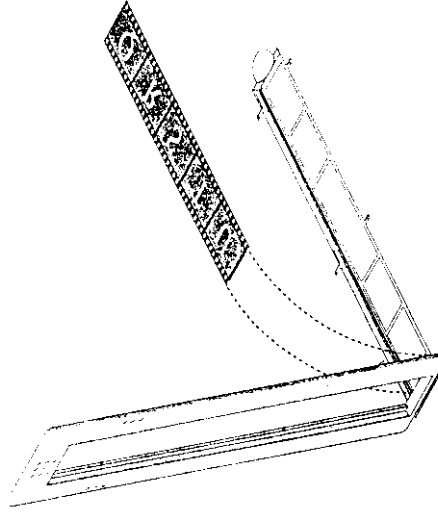
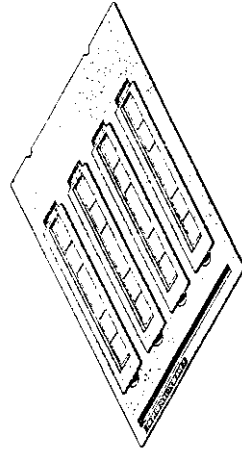
2. Put the batch slide holder into the transparency tray of the scanner.

35 mm strip slide holder

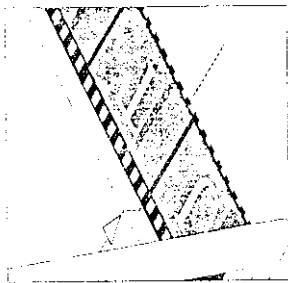
Four strips of six slides can be mounted into the holder which is then mounted into the transparency tray.

1. Put your strip with originals face down in the 35 mm strip slide holder.

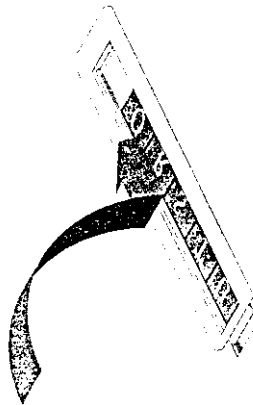
Make sure that you put the originals that you want to scan in high resolution output in the high-resolution area.



- Match the fog area between two negatives with the arrow mark on the holder.



- Close the lid and slide it sideways. Your originals are correctly positioned for scanning.



- ❖ *Note: If your originals are not properly positioned, you can still adjust the strip by sliding the closed lid in the required direction.*
- Put the batch slide holder into the transparency tray of the scanner.

6 x 9 cm and 4 x 5 inch batch slide holders

The 6 x 9 cm batch slide holder and the 4 x 5 inch batch slide holder function in the same way as the 35 mm batch slide holders.

The 6 x 9 cm and the 4 x 5 inch holders can hold respectively four and two slides at the time. Once loaded, you put the holder into the transparency tray.

- Put your original face down in the 6 x 9 cm or 4 x 5 inch batch slide holder. Make sure that you put the originals that you want to scan in high-resolution output in the high-resolution area.

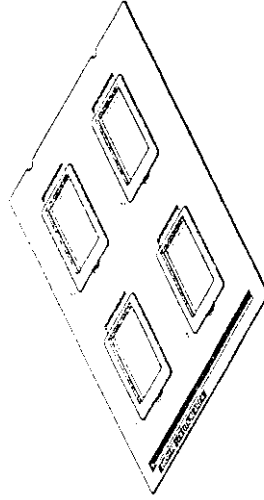


Figure of 6 x 9 cm batch slide holder

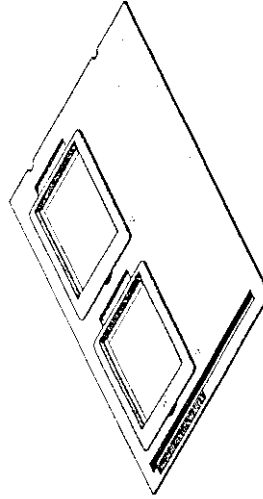


Figure of 4 x 5 inch batch slide holder

- Put the batch slide holder into the transparency tray of the scanner.

Chapter 3 Making your First Scans

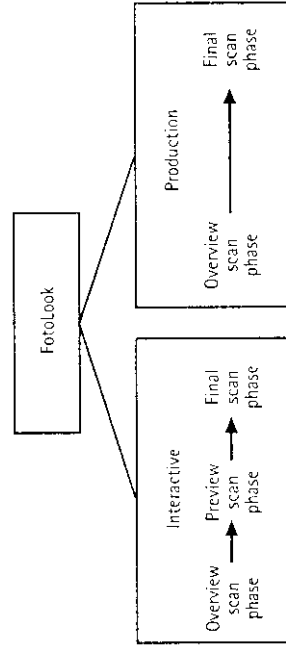
This chapter describes how to make a scan of different originals. It is important to have a correct scan to start with. The better your scan is, the better the result will be after you have manipulated the image in other applications. Each original requires its own settings. Therefore we will propose some settings for each original. When you become more familiar with scanning you will use your own settings.

Introduction

This chapter contains four predefined work flows.

The first work flow is a productive work flow. Production mode allows you to make a quick scan with a minimum of manipulations.

The next three work flows are in Interactive mode. In Interactive mode you can immediately see the results of the changes you made.



If you want to obtain the best results, you should read this chapter from the beginning to the end and follow the instructions.

In the work flows you will use the keyboard shortcut **⌘ + 0** (zero) to set the scan settings to its original default settings. Once you have become familiar with your scanner you do not have to repeat this step for every scan. Some settings will remain the same for a series of scans.

If you want more details on adjusting the settings, see the electronic file of the FotoLook manual. You will find the FotoLook manual in the Documents folder in the Agfa FotoLook folder.

You can either start up the application FotoLook as a plug-in of Adobe Photoshop (FotoLook PS) or as a stand-alone version (FotoLook SA). In the work flows you will only use FotoLook SA.

Productive Work Flow

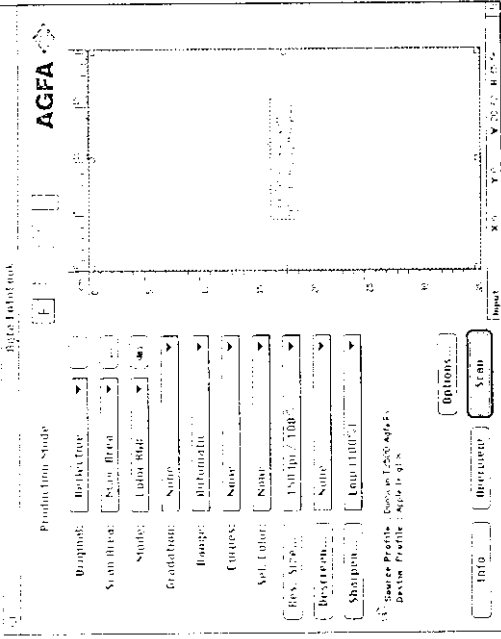
In the Productive work flow you work in Production mode. The Production mode of FotoLook can be used by novice users and advanced users. As a novice user you will work in the Production mode to make a quick scan with predefined settings. As an advanced user you do not always feel the need to see an interactive preview image. Production mode allows you to work more productively when scanning originals one after the other with the same settings. The Production mode allows you to make a quick scan with a minimum of manipulations.

In Production mode you work in two phases. In Overview Scan Phase you make a quick standard resolution scan to apply settings and manipulations on. In Final Scan Phase you make your scan.

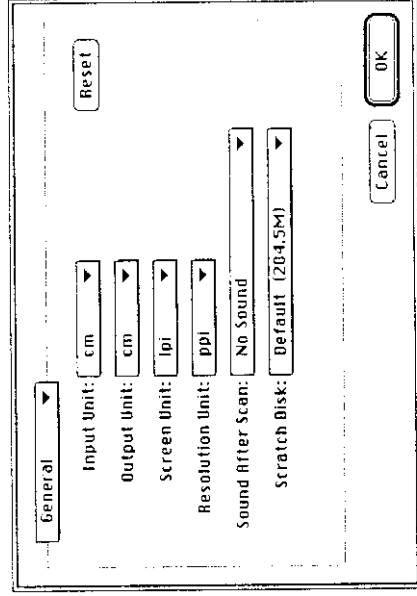
Scanning a Color-Photographic Reflective Original


Overview Scan Phase

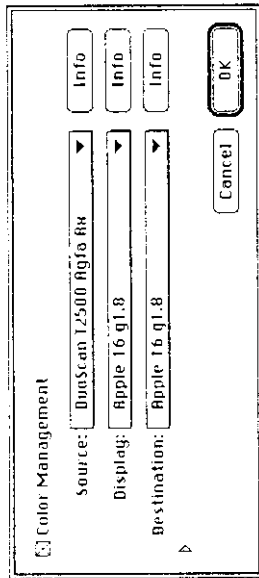
1. Put the original face down on the glass plate of the scanner.
2. From the File menu, choose Scan.
The FotoLook dialog box appears.
3. Use the keyboard shortcut **⌘ - D** (command + D) to toggle between Production mode and Interactive mode. Make sure that you are in Production mode.
You are in Production mode if you see this screen.



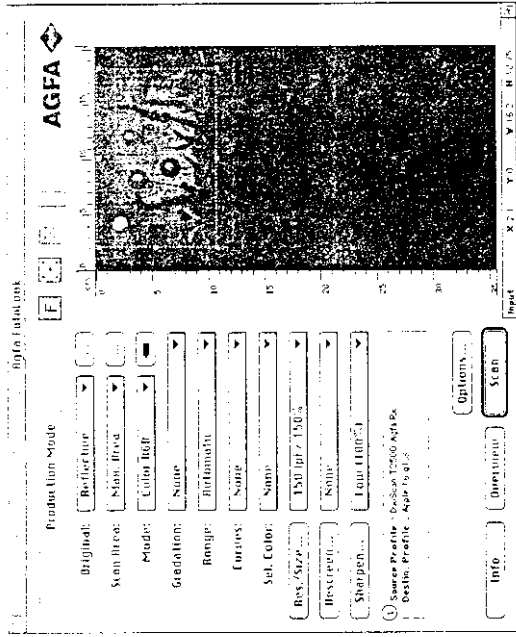
4. Use the keyboard shortcut **⌘ + 0** (command + zero).
The keyboard shortcut command + zero, sets the scan settings to its original default settings.
5. Click **Options...** in the lower part of your screen.
The Options dialog box appears.



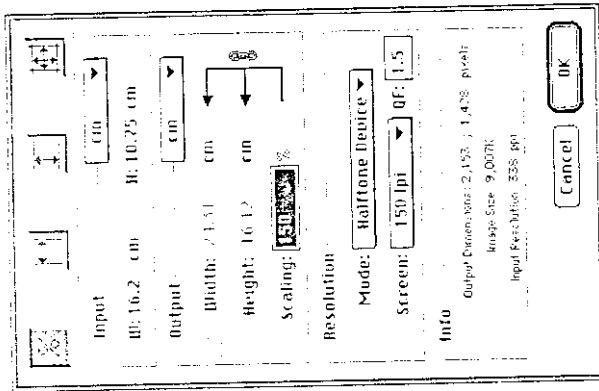
6. From the pop-up menu in the upper part of the dialog box, choose General.
 7. Click Reset.
 8. Click OK.
You return to the Scan dialog box.
 9. From the Original pop-up menu, choose Reflective.
 10. From the Scan Area pop-up menu, choose Max. Area.
 11. From the Mode pop-up menu, choose Color RGB.
 12. Click the Profile icon. 
- The Profile Setup dialog box appears.



13. In the Profile Setup dialog box choose your Source, Display and Destination.
Your source is the DuoScan T2500 Agfa Rx, your display and your destination is your monitor.
14. Click OK.
15. Click Overview in the lower part of the Fotolook dialog box.
The scanner performs a quick standard resolution scan of the entire glass plate. The overview image is displayed in the image area in the Fotolook dialog box.



16. Select the area for scanning by manipulating the selection rectangle within the image area.
17. Click Res./Size...
The Resolution/Size dialog box appears.



In the Resolution/Size dialog box you can set the scale for your final scan. Depending on your settings FotoLook calculates the resolution for your scan.

18. Click the fixed scale button.
19. Set the units of measurement of the input and output identical.
20. Set the scaling for your image to 150 %.
21. From the Mode pop-up menu, choose HalfTone Device. When you choose HalfTone Device the application will calculate the input resolution. This resolution is also based on the quality factor (QF) and the scaling factor. You can read the result of the calculation in the Info frame at the bottom of the Resolution/Size dialog box.
22. From the Screen pop-up menu, choose 150 lpi.
23. Enter a quality factor (QF) of 1.5.

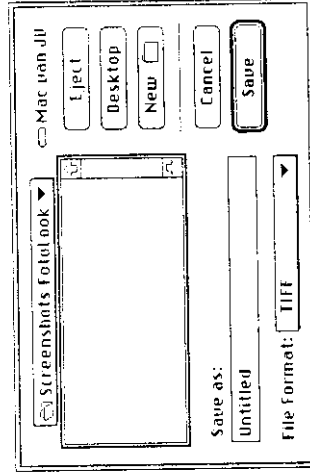
24. Click OK.

You return to the Scan dialog box.

25. From the Gradation pop-up menu, choose None.
26. From the Range pop-up menu, choose Automatic.
27. From the Curves pop-up menu, choose None.
28. From the Sel. Color pop-up menu, choose None.
29. From the Descreen pop-up menu, choose None.
30. From the Sharpen pop-up menu, choose Low.

Final Scan Phase

1. Click Scan.
A Save As dialog box appears.



2. Choose a destination and give a name.
3. Choose the TIFF format for your scan.
You can find more information about the file formats in your FotoLook manual.
4. Click Save.
The DuoScan T2500 starts scanning.
Your scan will be saved, and you can edit your image in another application such as Adobe Photoshop.

Interactive Work Flows

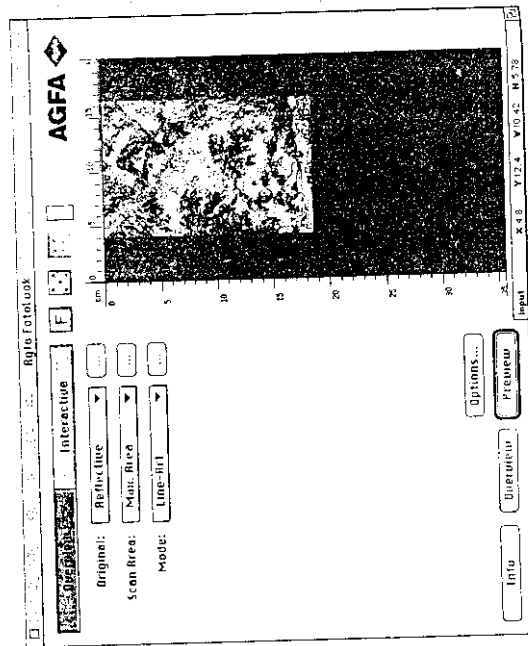
The Interactive mode of FotoLook allows you to work interactively on the preview image. This preview image simulates how the output image after a final scan will appear. In Interactive mode you work in three phases. In Overview Scan Phase you make a quick standard resolution scan. In the interactive Preview Scan Phase you make a preview scan of high quality and resolution to apply settings and manipulations on. In Final Scan Phase you make your scan.

Scanning a Line-Art Reflective Original

Line-art images contain only black and white picture elements, without intermediate gray levels. They are also known as bi-level images.

1. Put the original face down on the glass plate of the scanner.
2. From the FotoLook File menu, choose Scan.
The FotoLook dialog box appears.

Overview Scan Phase



1. Use the keyboard shortcut **⌘ + 0**.

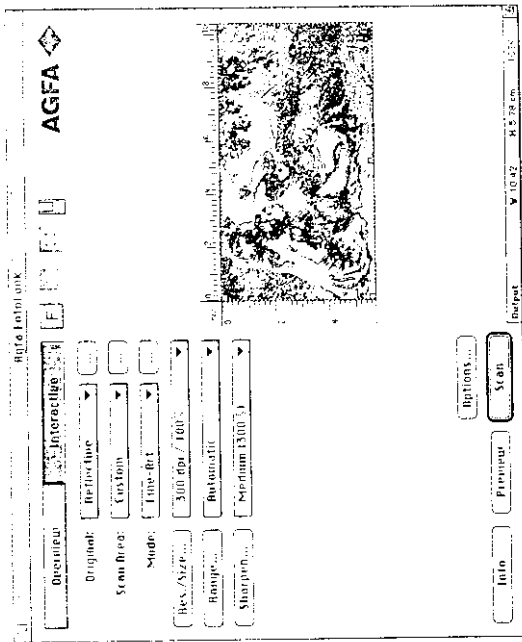
The keyboard shortcut command + zero sets the scan settings to its original settings.

2. From the Original pop-up menu, choose Reflective.
3. From the Scan Area pop-up menu, choose Max: Area.
4. From the Mode pop-up menu, choose Line-Art.
5. Click Overview in the lower part of the FotoLook dialog box. The scanner performs a quick standard resolution scan of the entire glass plate. The overview image is displayed in the image area in the FotoLook dialog box.
6. Select the area for scanning by manipulating the selection rectangle within the image area. You can change the dimensions of the selection by dragging the handles of the selection rectangle. You can also move the selection by dragging from its center. Make your selection a little bit larger than the area you want to scan. In the Preview scan phase you can easily fine-tune your selection.

7. Click Preview.

The preview image appears in the image area. You can now work interactively on your image.

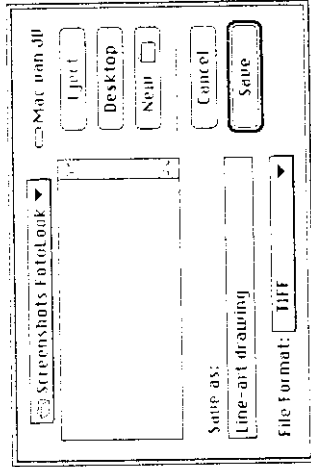
Preview Scan Phase



1. Fine-tune your selection by manipulating the selection rectangle within the image area.
2. From the Res./Size pop-up menu, choose the appropriate resolution for your scan.
The resolution depends on the resolution of your output device. If the image will be printed, choose at least 300 dpi. If you will use the image on your screen, choose 72 dpi.
3. From the Range pop-up menu, choose Automatic.
4. From the Sharpen pop-up menu, choose Medium.

Final Scan Phase

1. Click Scan.
A Save As dialog box appears.



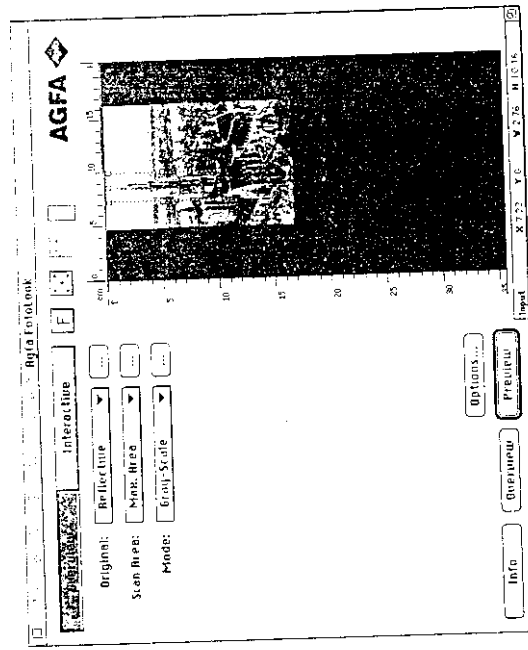
2. Choose a destination and give a name.
3. Choose the TIFF format for your scan.
You can find more information about the file formats in your FotoLook manual.
4. Click Save.
The DuoScan T2500 starts scanning.
Your scan will be saved, and you can edit your image in another application such as Adobe Photoshop.

Scanning a Gray-Scale Reflective Original


A gray-scale image is a continuous tone image, comprising black, white and gray data.

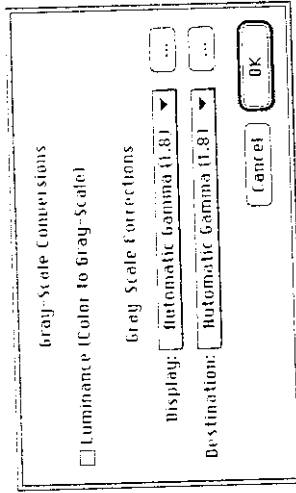
1. Put the original face down on the glass plate of the scanner.
 2. From the File menu, choose Scan.
- The FotoLook dialog box appears in Overview mode.

Overview Scan Phase



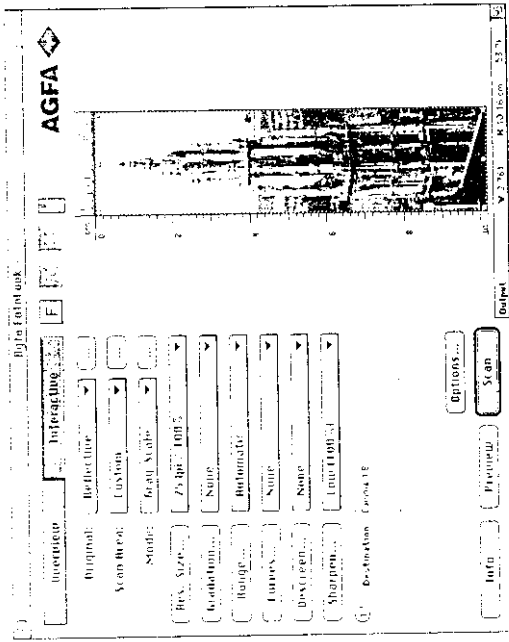
1. Use the keyboard shortcut $\text{⌘} + 0$.
The keyboard shortcut command + zero sets the scan settings to its original default settings.
2. From the Original pop-up menu, choose Reflective.
3. From the Scan Area pop-up menu, choose Max. Area.
4. From the Mode pop-up menu, choose Gray-Scale.

5. Click the Mode icon. 
The Gray-Scale Conversions dialog box appears.



6. From the Display pop-up menu, choose Automatic gamma.
7. From the Destination pop-up menu, choose Automatic gamma.
8. Click OK.
9. Click Overview in the lower part of the FotoLook dialog box.
The scanner performs a quick standard resolution scan of the entire glass plate. The overview image is displayed in the image area in the FotoLook dialog box.
10. Select the area for scanning by manipulating the selection rectangle within the image area.
You can change the dimensions of the selection by dragging the handles of the selection rectangle. You can also move the selection by dragging it from its center.
Make your selection a little bit larger than the area you want to scan. In the Preview scan phase you can easily fine-tune your selection.
11. Click Preview.
The preview image appears in the image area. You can now work interactively on your image.

Preview Scan Phase



1. Fine-tune your selection by manipulating the selection rectangle within the image area.
2. From the Res./Size pop-up menu choose 75 lpi.
3. From the Gradation pop-up menu, choose None.
4. From the Range pop-up menu, choose Automatic.
5. From the Curves pop-up menu choose None.
6. From the Descreen pop-up menu, choose None.
7. From the Sharpen pop-up menu, choose Low.

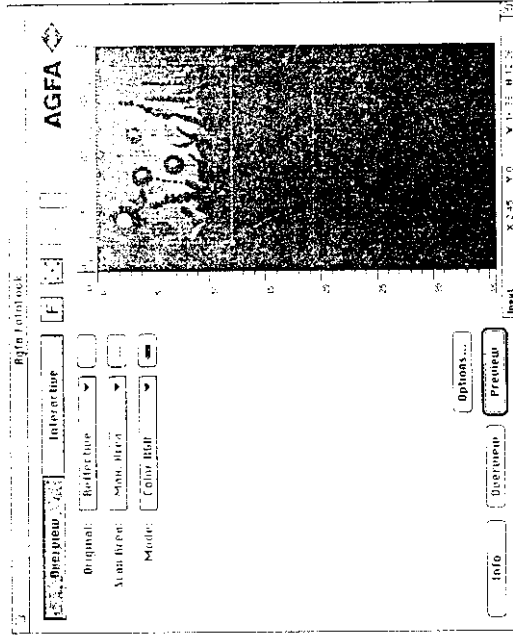
Final Scan Phase


1. Click Scan.
A Save As dialog box appears.
2. Save the scanned image.

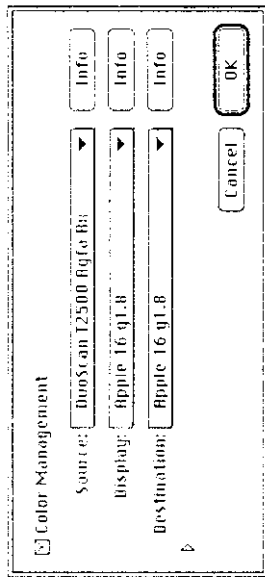
Scanning a Color-Photographic Reflective Original

1. Put the original face down on the glass plate of the scanner.
2. From the File menu, choose Scan.
The PhotoLook dialog box appears.

Overview Scan Phase



1. Use the keyboard shortcut **⌘ + 0**.
The keyboard shortcut command + zero, sets the scan settings to its original default settings.
2. From the Original pop-up menu, choose Reflective.
3. From the Scan Area pop-up menu, choose Max. Area.
4. From the Mode pop-up menu, choose Color RGB.
5. Click the Profile icon. 
The Profile Setup dialog box appears.



6. In the Profile Setup dialog box choose your Source, Display and Destination.

Your source is the DuoScan T2500 Agfa Rx, your display and your destination is your monitor.

7. Click OK.

8. Click Overview in the lower part of the FotoLook dialog box.

The scanner performs a quick standard resolution scan of the entire glass plate. The overview image is displayed in the image area in the FotoLook dialog box.

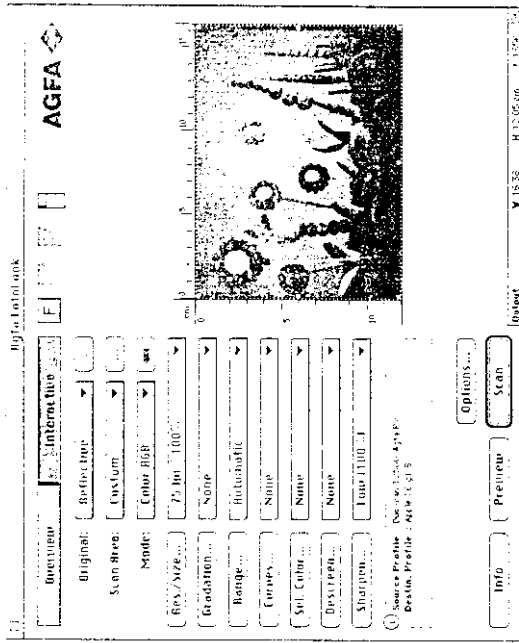
9. Select the area for scanning by manipulating the selection rectangle within the image area.

Make your selection a little bit larger than the area you want to scan. In the Preview scan phase you can easily fine-tune your selection.

10. Click Preview.

The preview image appears in the image area. You can now work interactively on your image.

Preview Scan Phase



1. Fine-tune your selection by manipulating the selection rectangle within the image area.
2. From the Res./Size pop-up menu, choose 75 lpi.
3. From the Gradation pop-up menu, choose None.
4. From the Range pop-up menu, choose Automatic.
5. From the Curves pop-up menu, choose None.
6. From the Sel. Color pop-up menu, choose None.
7. From the Descreen pop-up menu, choose None.
8. From the Sharpen pop-up menu, choose Low.

Final Scan Phase

1. Click Scan.
A Save As dialog box appears.
2. Save the scanned image.

Chapter 4 Advanced Scanning

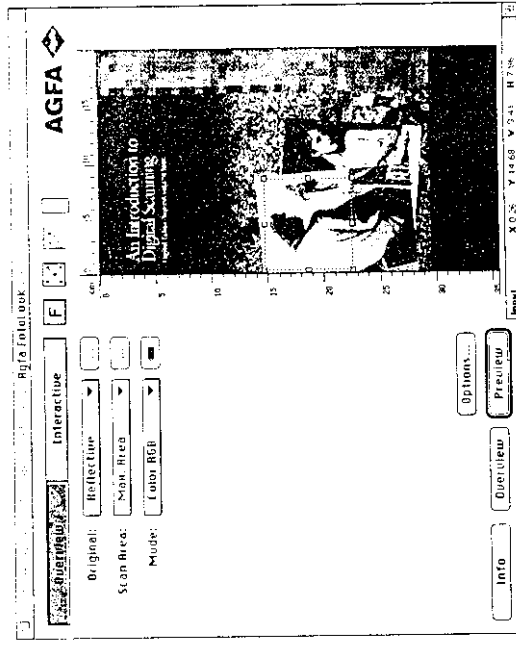
Once you are getting familiar with all the possibilities of the FotoLook application, you can try some more advanced scanning techniques.

Scanning a Color-Screened Original

Most pictures that are printed on regular (non-photographic) paper, are screened or dithered.

1. Take a color image from a magazine and put it face down on the glass plate of the scanner.
2. From the File menu, choose Scan.
The FotoLook dialog box appears.

Overview Scan Phase



1. Use the keyboard shortcut $\text{⌘} + 0$.
The keyboard shortcut command + zero, sets the scan settings to its original default settings.

1. Fine-tune your selection by manipulating the selection rectangle within the image area.

2. From the Res./Size pop-up menu, choose 75 lpi.

3. From the Gradation pop-up menu, choose None.

4. From the Range pop-up menu, choose Automatic.

5. From the Curves pop-up menu, choose None.

6. From the Sel. Color pop-up menu, choose None.

7. From the Descreen pop-up menu, choose Magazine (133 lpi).

8. From the Sharpen pop-up menu, choose None.

You use a lower sharpness value or no sharpness together with Descreen.

Final Scan Phase

1. Click Scan.

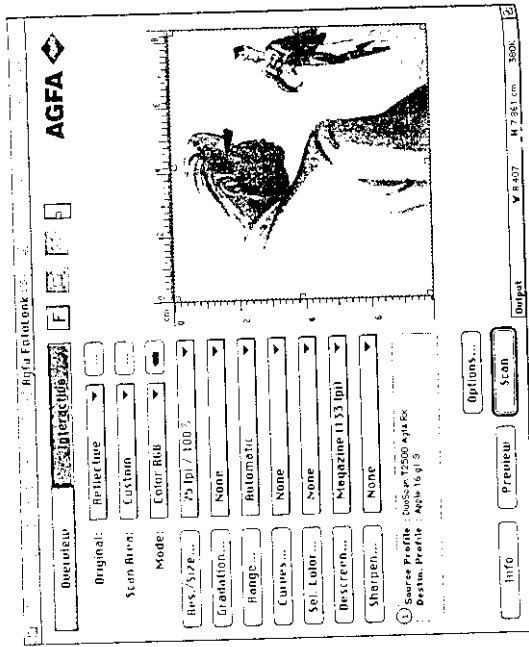
A Save As dialog box appears.

2. Save the scanned image.

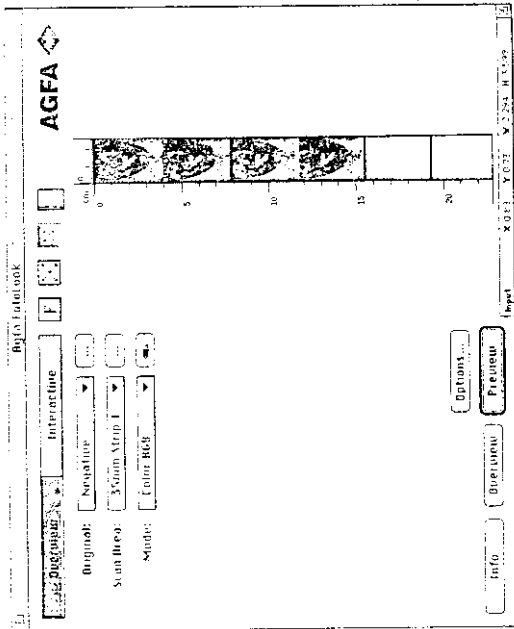
Preview Scan Phase

The preview image appears in the image area. You can now work interactively on your image.

❖ *Note: Because your image is not descreened yet, it is possible that it appears imperfect. Nevertheless, you will obtain a perfect final scan.*

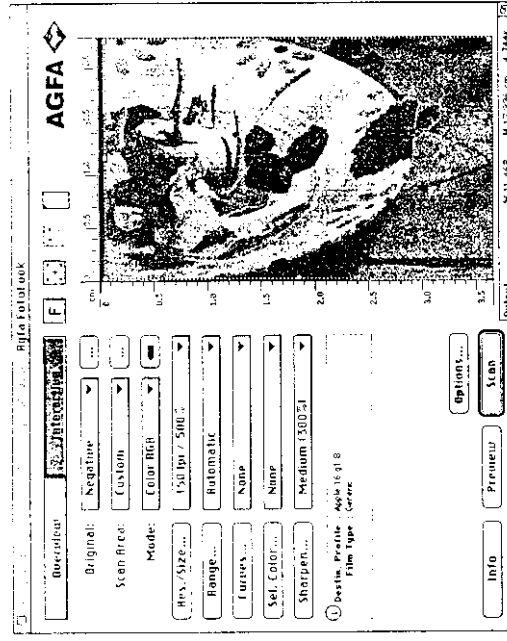


Overview Scan Phase

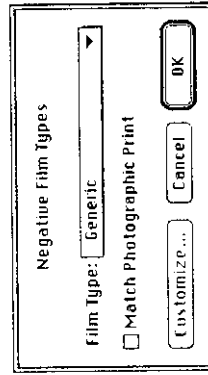


5. Click OK.
6. From the Scan Area pop-up menu, choose 35 mm Strip 1.
7. From the Mode pop-up menu, choose Color RGB.
8. Click Overview in the lower part of the Totalook dialog box. The scanner performs a quick scan of the negative original in the strip slide holder. The overview image is displayed in the image area in the Totalook dialog box.
9. Select the area for scanning by manipulating the selection rectangle within the image area. Make your selection a little bit larger than the area you want to scan. In the Preview scan phase you can easily fine-tune your selection.
10. Click Preview.

Preview Scan Phase

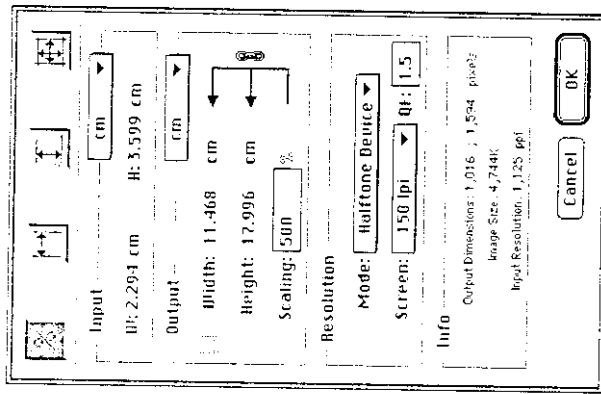


1. Use the keyboard shortcut $\text{⌘} + 0$. The keyboard shortcut command + zero, sets the scan settings to its original default settings.
2. From the Original pop-up menu, choose Negative.
3. Click the Original icon. The Negative Film Types dialog box appears.



4. In the Negative Film Types dialog box, choose the film type of your original. If the film type is not listed, choose Generic.

1. Fine-tune your selection by manipulating the selection rectangle within the image area.
2. Click the Res./Size... button.
The Resolution/Size dialog box appears.



In the Resolution/Size dialog box you can set the size for your final scan. Depending on your settings FotoLook calculates the resolution for your scan.

3. Click the fixed scale button. %
4. Set the units of measurement of the input and output identical.
5. Set the scaling for your image to 500 %.
6. From the Mode pop-up menu, choose HalfTone Device.
When you choose HalfTone Device the application will calculate the precise input resolution. This resolution is also based on the quality factor (QF) and the scaling factor. You can read the result of the calculation in the Info frame at the bottom of the Resolution/Size dialog box.

7. From the Screen pop-up menu, choose 150 lpi.
8. Enter a quality factor (QF) of 1.5.
9. Click OK.
10. From the Range pop-up menu, choose Automatic.
11. From the Curves pop-up menu, choose None.
12. From the Sel. Color pop-up menu, choose None.
13. From the Sharpen pop-up menu, choose Medium.

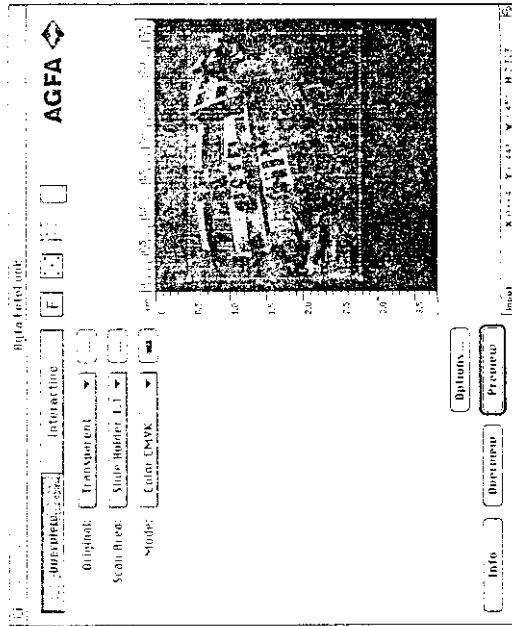
Final Scan Phase

1. Click Scan.
A Save As dialog box appears.
2. Save the scanned image.


Scanning a 35 mm Framed Color Transparent Original

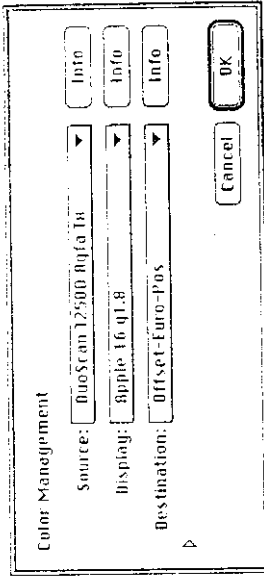
1. Put the original face down in the 35 mm framed batch slide holder.
2. Insert the batch slide holder into the transparency tray of the scanner.
See Chapter 2, "Placing your Originals".
3. From the File menu, choose Scan.
The FotoLook dialog box appears.

Overview Scan Phase



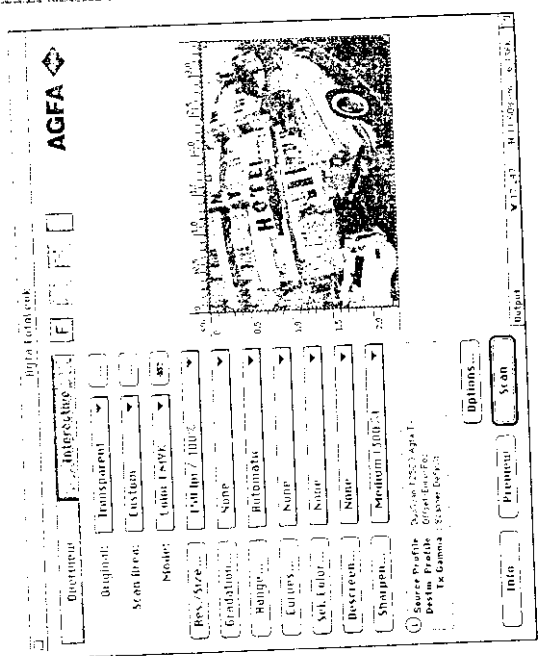
1. Use the keyboard shortcut **# + O**.
The keyboard shortcut command + zero, sets the scan settings to its original default settings.
2. From the **Original** pop-up menu, choose **Transparent**.
3. From the **Scan Area** pop-up menu, choose the location of your 35 mm color transparent (for example **Slide Holder 1.1**).
4. From the **Mode** pop-up menu, choose **Color CMYK**.

5. Click the **Profile** icon. 
The **Profile Setup** dialog box appears.



6. In the **Profile Setup** dialog box choose your **Source**, **Display** and **Destination**.
Your source is the DuoScan 12500 Agfa Tx, your display is your monitor and your destination is Offset-Euro-Pos.
7. Click **OK**.
8. Click **Overview** in the lower part of the **FotoLook** dialog box.
The scanner performs a quick standard resolution scan of the transparent in the batch slide holder. The overview image is displayed in the image area in the **FotoLook** dialog box.
9. Select the area for scanning by manipulating the selection rectangle within the image area.
Make your selection a little bit larger than the area you want to scan. In the **Preview** scan phase you can easily fine-tune your selection.
10. Click **Preview**.
The image appears in the **preview** window. You can now work interactively on your image.

Preview Scan Phase



1. Fine-tune your selection by manipulating the selection rectangle within the image area.
2. From the Res./Size pop-up menu, choose 150 lpi.
3. From the Gradation pop-up menu, choose None.
4. From the Range pop-up menu, choose Automatic.
5. From the Curves pop-up menu, choose None.
6. From the Sel. Color pop-up menu, choose None.
7. From the Descreen pop-up menu, choose None.
8. From the Sharpen pop-up menu, choose Medium.

Final Scan Phase

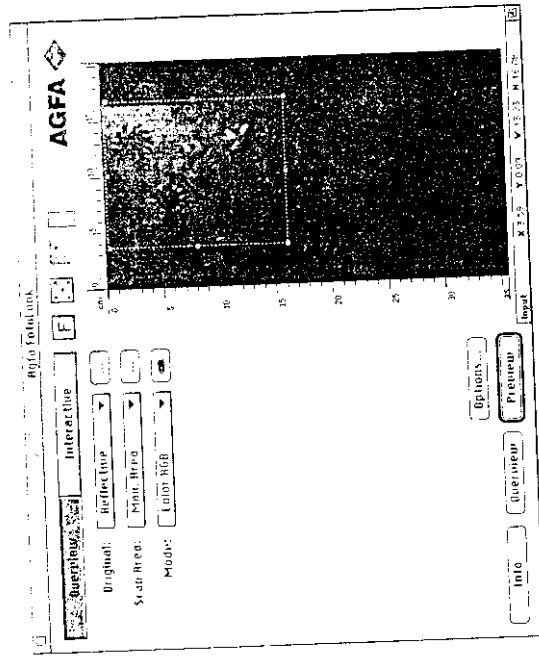
1. Click Scan.
A Save As dialog box appears.
2. Save the scanned image.

Advanced Work Flow


In the next work flow some settings will be explained more thoroughly. You can find more information in the FastLook manual. You take a color photographic original as a base for this work flow.

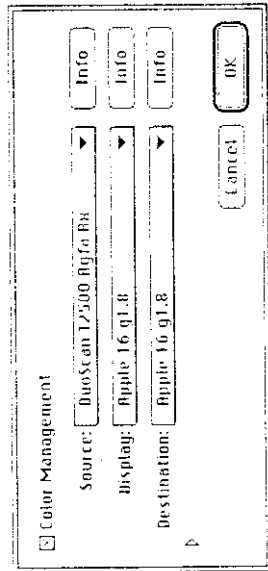
1. Put the original face down on the glass plate of the scanner.
2. From the File menu, choose Scan.
The FotoLook dialog box appears.

Overview Scan Phase



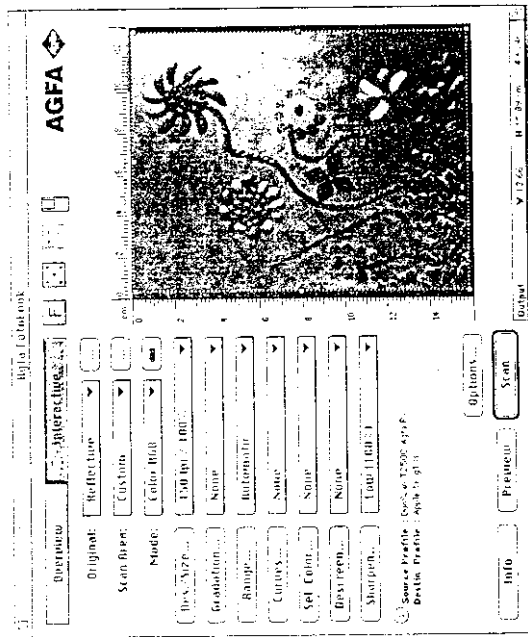
1. Use the keyboard shortcut $\text{⌘} + 0$.
The keyboard shortcut command + zero, sets the scan settings to its original default settings.
2. From the Original pop-up menu, choose Reflective.
3. From the Scan Area pop-up menu, choose Max. Area.
4. From the Mode pop-up menu, choose Color RGB.

5. Click the Profile icon.  The Profile Setup dialog box appears.

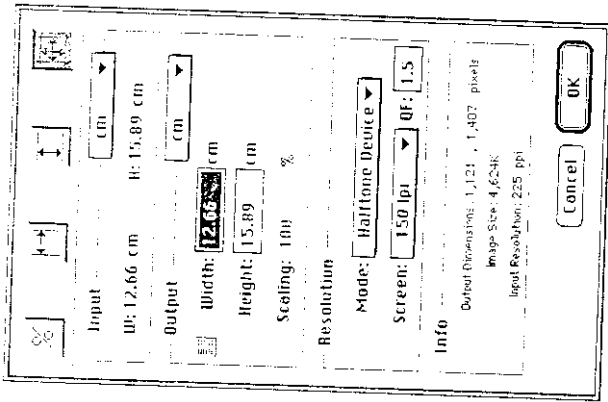


6. In the Profile Setup dialog box choose your Source, Display and Destination.
Your source is the DuoScan T2500 Agfa Rx, your display and your destination is your monitor.
Click the checkbox to select or deselect color management in RGB mode. For more information about the Profile Setup, please refer to the FotoLook manual.
7. Click OK.
8. Click Overview in the lower part of the FotoLook dialog box.
The scanner performs a quick standard resolution scan of the entire glass plate. The overview image is displayed in the image area in the FotoLook dialog box.
9. Select the area for scanning by manipulating the selection rectangle within the image area.
Make your selection a little bit larger than the area you want to scan. In the Preview scan phase you can easily fine-tune your selection.
10. Click Preview.
The preview image appears in the image area. You can now work interactively on your image.

Preview Scan Phase



1. Fine-tune your selection by manipulating the selection rectangle within the image area.
2. Click Res./Size...
The Resolution/Size dialog box appears.

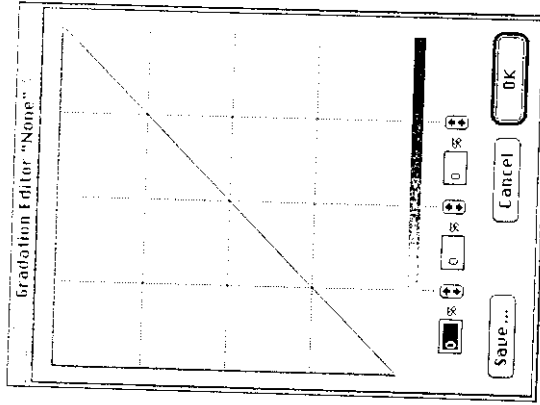


In the Resolution/Size dialog box you can set the size for your final scan. Depending on your settings FotoLook calculates the resolution for your scan.

3. Click the fixed output W & H button.
4. Set the required width and height for your image.
5. From the Mode pop-up menu, choose Halftone Device. When you choose Halftone Device the application will calculate the precise input resolution. This resolution is also based on the quality factor (QF) and the scaling factor. You can read the result of the calculation in the Info frame at the bottom of the Resolution/Size dialog box.
6. From the Screen pop-up menu, choose 150 lpi.
7. Enter a quality factor (QF) of 1.5.
8. Click OK.

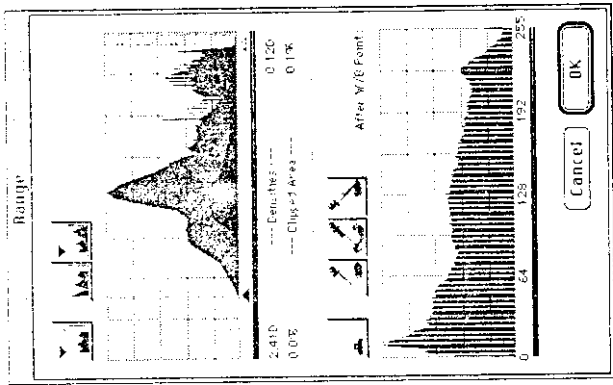
9. From the Gradation pop-up menu, choose None. If your image is too dark, you can brighten the midtones, the shadows, or both, by choosing the appropriate setting from the pop-up menu.

10. Click the Gradation... button. The Gradation Editor appears.



In the Gradation Editor dialog box you can set gradation percentages for brightening or darkening your image.

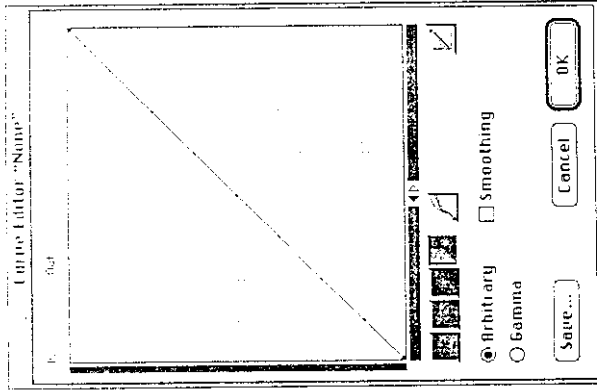
11. From the Range pop-up menu, choose Automatic. The software automatically finds the point with the minimum density and the one with the maximum density.
12. Click Range... The Range dialog box appears.



In the Range dialog box you can modify the settings by manipulating the sliders. During scanning, the density values are proportionally remapped between the Dmin. (the point with the minimum density) and the Dmax. (the point with the maximum density) values.

13. In the Range dialog box, click OK.
14. From the Curves pop-up menu, choose None.
15. Click the Curves... button.

The Curve Editor appears.



In the Curve Editor you can make creative adjustments of the different colors by selecting Arbitrary or Gamma.

16. In the Curve Editor, click OK.
17. From the Sel. Color pop-up menu, choose None.
18. From the Descreen pop-up menu, choose None.
19. From the Sharpen pop-up menu, choose Low or Medium.

Final Scan Phase

1. Click Scan.
A Save As dialog box appears.
2. Save the scanned image.

Using the High-Resolution Area

In the next work flow you find how to scan within the high-resolution area. For more information, refer to the Fotolook manual.

A red line in the ruler indicates that your original will be scanned in standard resolution mode. A green line in the ruler indicates that your selection will be scanned in high-resolution mode.

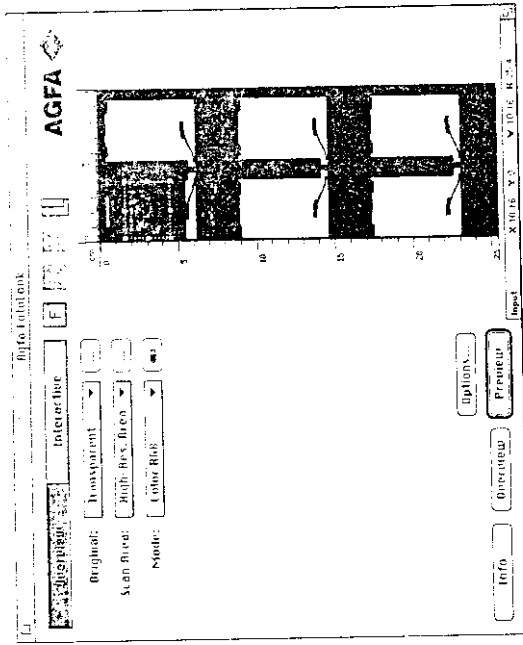
- ❖ *Note: If you want to scan high-resolution and standard-resolution transparent originals in one work flow, make sure that you first scan all the high-resolution images and then the standard resolution ones. Scanning them at random requires unnecessary switches of your scanner which can considerably decrease the life span of some of its components.*

You take a 35 mm framed color transparent original as a base for this work flow.


1. Put the original face down in the 35 mm framed batch slide holder so that it is situated in the area indicated by the high-resolution mark on the holder.
2. Insert the batch slide holder into the transparency tray of the scanner.
3. From the File menu, choose Scan.

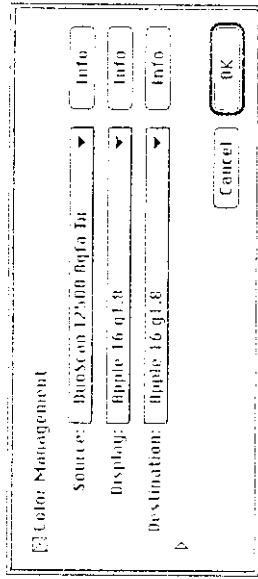
The Fotolook dialog box appears.

Overview Scan Phase



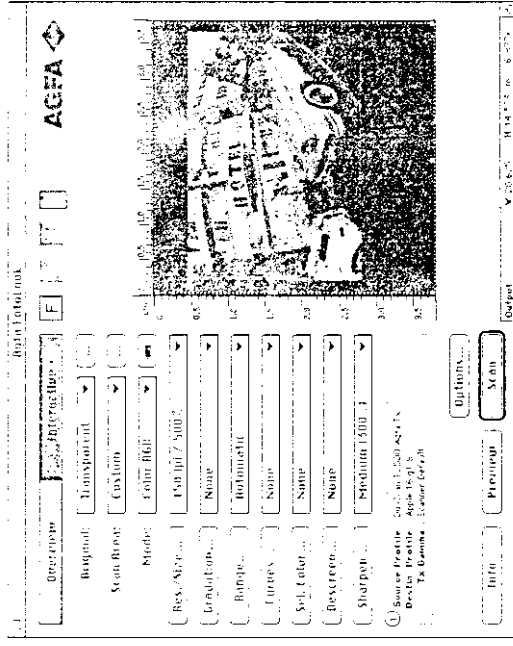
1. Use the keyboard shortcut $\text{⌘} + 0$.
The keyboard shortcut command + zero, sets the scan settings to its original default settings.
2. From the Original pop-up menu, choose Transparent.
3. From the Scan Area pop-up menu, choose High-Res Area.
The image area is resized displaying the high-resolution area.
The red indication line in the top ruler changes into a green indication line.
4. From the Mode pop-up menu, choose Color RGB.

- Click the Profile icon.  The Profile Setup dialog box appears.



- In the Profile Setup dialog box choose your Source, Display and Destination.
Your source is the DuoScan 12500 Agfa Bt, your display and your destination is your monitor.
- Click the checkbox to select or deselect color management in RGB mode. For more information about the Profile Setup, please refer to the FotoLook manual.
- Click OK.
- Click Overview in the lower part of the FotoLook dialog box. The scanner performs a quick standard resolution scan of the entire glass plate. The overview image is displayed in the image area in the FotoLook dialog box.
- Select the area for scanning by manipulating the selection rectangle within the image area.
 - ❖ *Note: Make your selection a little bit larger than the area you want to scan. In the Preview scan phase you can easily fine-tune your selection.*
 - ❖ *Note: Make sure that the selection rectangle stays within the high-resolution area. The selection is situated in the high-resolution area as long as the indication line in the top ruler is green.*
- Click Preview. The preview image appears in the image area. You can now work interactively on your image.

Preview Scan Phase



- Fine-tune your selection by manipulating the selection rectangle within the image area.
- From the Res./Size pop-up menu, choose 150 lpi.
- From the Gradation pop-up menu, choose None.
- From the Range pop-up menu, choose Automatic.
- From the Curves pop-up menu, choose None.
- From the Sel. Color pop-up menu, choose None.
- From the Descreen pop-up menu, choose None.
- From the Sharpen pop-up menu, choose Medium.

Final Scan Phase

- Click Scan. A Save As dialog box appears.
- Save the scanned image.

Refer to your Agfa FotoLook manual for more information.

