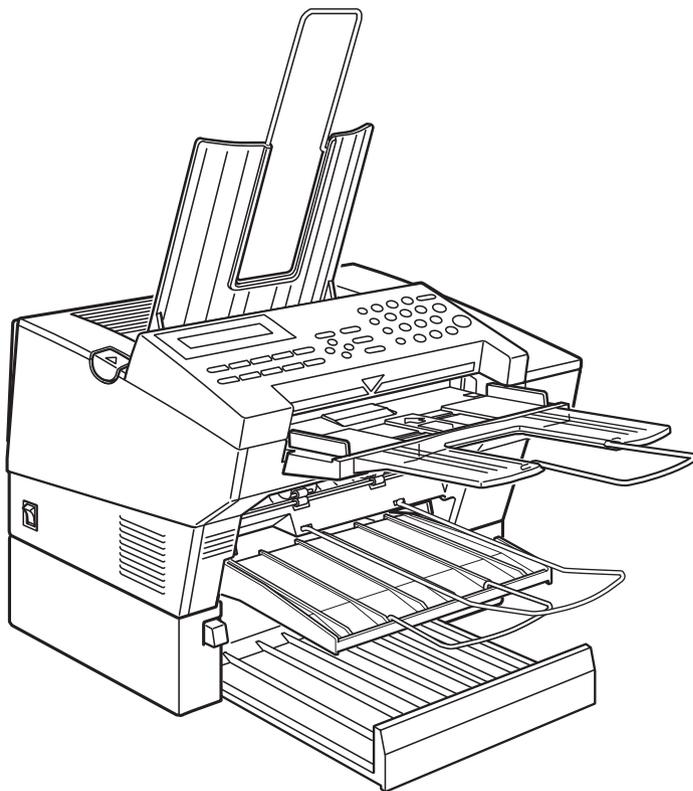


**PRINTER
SCANNER
PC-FAX REFERENCE**



Operator's Manual

Important

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Table of Contents

HOW TO USE THIS MANUAL	1
INTRODUCTION	2
Features	2
(1)PC-PRINTER.....	2
(2)PC-SCANNER.....	2
(3)PC-FAX.....	3
(4)Copy Function	3
(5)HELP-PRINT Function	3
Operation Panel.....	4
Part Names.....	5
SETTING UP	6
Cable connections	6
Driver Software WinStyler T175 Setup.....	7
PC-PRINTING.....	8
Introduction	8
Paper sizes that can be printed	8
Advanced Features.....	8
Operations	9
Basic Operation	9
Printing from a Windows Application.....	11
Printing from a DOS Application within Windows.....	11
Printing PCL and ASCII Files From the MS-DOS	11
Printing ASCII Text Files.....	12
Advanced Operation	12
Selecting the Printing Mode.....	13
Changing the printing mode.....	13
Changing the printing mode from an application	13
Changing the printing mode by using the Printer Folder (Windows 95)..	14
Changing the printing mode by using the Control Panel in Windows (Windows 3.1)	14

WinStyler T175 GDI Mode (Windows 95)	15
GDI Property Screen.....	15
Use Print Manager	18
How to make *.GDI file and setup Overlay feature	19
Top page	21
Manual Duplexing	21
Print to File.....	23
Image	23
WinStyler T175 GDI Mode (Windows 3.1)	25
GDI Setup Screen.....	25
Use Print Manager	27
Top page	27
Manual Duplexing	27
Overlay.....	28
How to make *.GDI file and setup Overlay feature	30
Print to File	31
Scale	31
2 up / 4 up	32
Image	33
WinStyler T175 PCL Mode	34
No cartridges required.....	34
Saving downloaded fonts and macros in PCL mode	34
WinStyler T175 PCL Control Panel	35
WinStyler T175 Status Display	38
Edge Enhancement Technology	39
TonrSavR Mode	39
Power Saving Mode	40
Density	40
Connect Port	40
Show Me	40
WinStyler T175 Print Manager	42
File	42
Options of Print Manager	44
Fonts in GDI Mode	47
Fonts in PCL Mode	49
PC-SCANNING	50
Introduction	50
Operation	51

Using the TWAIN Driver	53
Introduction	53
Setting Parameters (User Interface)	53
 PC-FAXING	 55
Introduction	55
Setting up the ComRedirector.....	55
Operation	55
Sending a Fax.....	55
Receiving a Fax	57
Using the ComRedirector	58
Introduction	58
Setting Port (Enable the ComRedirector) in Windows 3.1	59
Disable the ComRedirector	59
 COPYING	 60
Introduction	60
Paper sizes that can be copied.....	60
Operation	60
 HELP-PRINTING	 62
Introduction	62
Operation	62
 MAINTENANCE.....	 63
 TROUBLESHOOTING	 64
PC-PRINTING	64
PC-Printing is not done even though the Print command was executed.	64
PC-Printing was suspended.....	65
The print density is not as expected.	65
Blank paper was output.	65
Other	65
PC-SCANNING	66
PC scanning does not function.	66
PC Scanning was suspended.....	66
The scanning density is not as expected.....	67

Other	67
PC-FAXING	67
PC-FAX cannot be sent.....	67
When sending of a PC-FAX is started, there is no operation, but the "NO CARRIER" message is displayed on the PC screen.	67
The machine won't receive a PC-FAX.	68
Other	68
INSTALLING THE WINSTYLER T175.....	69
Introduction.....	69
System Requirement (Windows 95).....	69
System Requirement (Windows 3.1).....	71
Restrictions (Both Windows 95 and 3.1):.....	72
Setting Up (Windows 95).....	73
Other Setup Methods	76
Setting Up (Windows 3.1).....	78
WinStyler T175 Test program	82
Removing the WinStyler software	84
Optimizing Printer Performance	85
INDEX.....	87

HOW TO USE THIS MANUAL

The Operator's Manual for this machine is composed from the following 2 manuals.

- (1) Operator's Manual: FACSIMILE REFERENCE
- (2) Operator's Manual: PRINTER REFERENCE (This manual)

Firstly, read the (1) Operator's Manual: FACSIMILE REFERENCE. It contains important information for your safety (page i to iv).

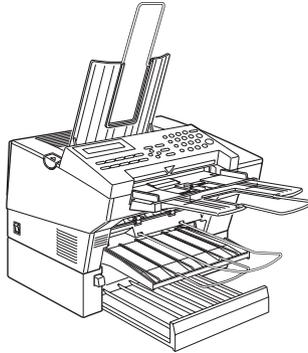
This manual (2) explains the operation of this machine when it is connected to your computer as a PC-Printer, PC-Scanner and PC-FAX.

When using this machine connecting your computer, please refer to this manual for the operation and refer to another manual for the other information such as **MAINTENANCING or TROUBLESHOOTING.**

When using this machine as a standalone FAX machine, please refer to the separate (1) Operator's Manual: FACSIMILE REFERENCE.

INTRODUCTION

Features



This machine can not only be used separately as a FAX machine, but can also be connected to a personal computer which runs Windows (Note) and, by installing the driver software packed with the machine, can be used in the following ways.

Note:

This machine can also be connected to a Macintosh by connection to the optional RS422 Interface Port. For details, see the separate Operator's Manual included herein.

(1)PC-PRINTER

It operates as a 300 dpi (equivalent to 600 dpi) resolution laser printer with a print speed of 6 PPM (when printing on A4/LT size sheets).

(2)PC-SCANNER

Using specified (Note) scanner software, this machine becomes a TWAIN driver compatible scanner.

Note: Available Fax softwares are specified later on.

(3)PC-FAX

When BitWare for Windows (included) is installed, this machine makes it possible to send and receive FAX messages through your personal computer using specified (Note) fax software.

Note: Available Fax softwares are specified later on.

As a stand alone unit, this machine also has the following functions.

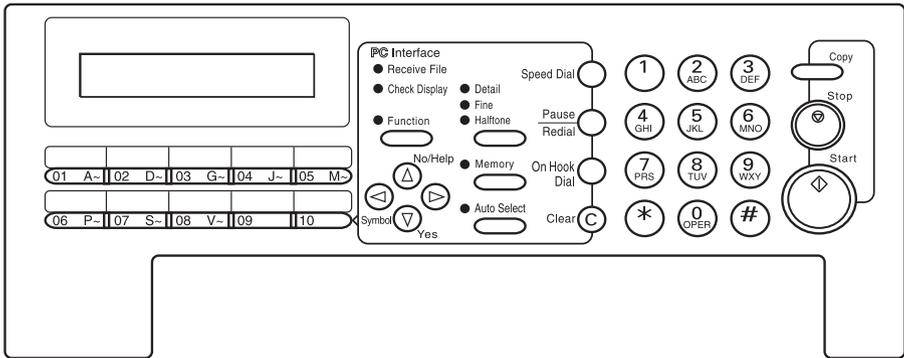
(4)Copy Function

Up to 99 copies can be made, including reduction and enlargement copies.

(5)HELP-PRINT Function

A Quick Reference Guide, which explains the general operating procedures, can be printed out.

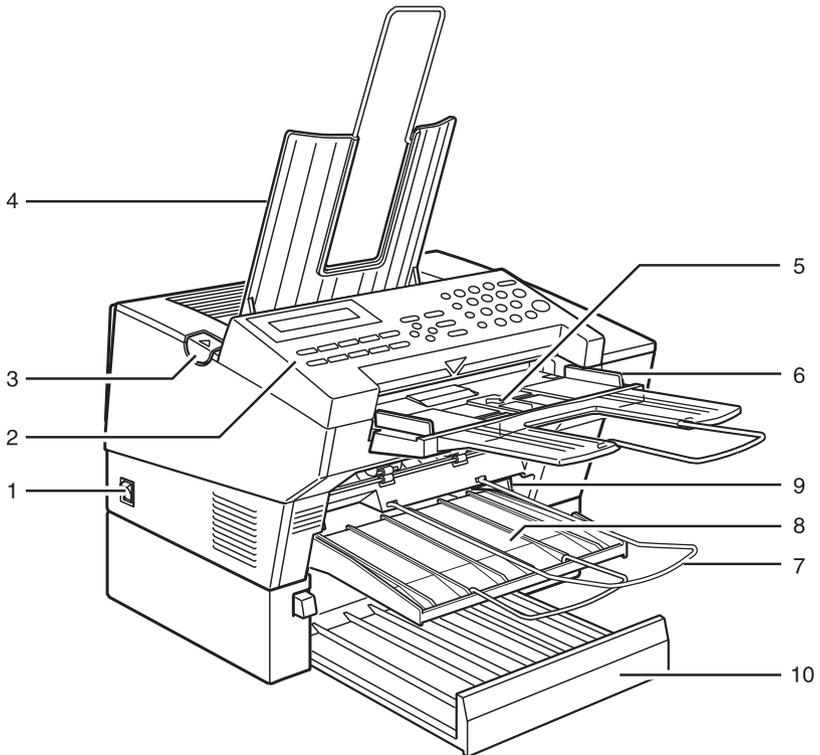
Operation Panel



- 1- The **Receive Files** indicator lights when a fax message was stored in memory.
- 2- The **Check Display** indicator lights to tell you to read the display.
- 3- Press this key to use Auto Receive Mode. The indicator lights when you are in this mode.
- 4- The contrast/HalfTone is indicated by these three indicators and can be changed by the contrast/HalfTone button.
- 5- When the **Memory** indicator is on, then memory transmission is in effect, if it is off, immediate transmission is in effect. Switch between the two with the Memory button.
- 6- There are ten **Quick Dial** keys. Use them to store individual numbers or groups. Use the keys to enter characters. Use Quick Dial 09 as a special key. Use Quick Dial 10 as a Group key.
- 7- The Liquid Crystal Display guides you through tasks and informs you of the state of the machine. Messages appear here. The LCD consists of two 20-character lines.
- 8- Use the arrow buttons to navigate through functions, to accept or reject settings, or to set function options.
- 9- Press the **Function** key and enter a two digit code to access functions 11 to 51. (For functions 61 to 94, enter 6, the access code and the function number.)
- 10- Press the **Speed Dial** key and enter a two digit code (between 00 & 49) to dial or store individual numbers.
- 11- The **Pause/Redial** key inserts a pause when you are dialing or storing a fax number. Or, press the key to redial the last number dialed. (The redial feature doesn't work once you've started dialing a new number.)
- 12- Press the **On Hook Dial** key to dial a phone call from the keypad without having to lift the phone or handset off the hook (phone or handset option needed).
- 13- Press the **Clear** key to erase the last character or digit entered, or use the left and right arrow keys to move the cursor and then press Clear to erase whatever is at the cursor.
- 14- Press the **Stop** key to stop a transmission or a document scanning or to stop a long copy run. The machine will finish printing out the sheet being printed and then stop.
- 15- Press the **Start** key to start all tasks.
- 16- Use the numeric keypad (sometimes called the 10 keys) to dial fax numbers, to enter the numbers of copies, etc.
- 17- The **PC Interface** indicator lights when the machine is connected to your PC.
- 18- Press **No/Help** key to print out a Quick Reference Guide.

For details about the FACSIMILE function, refer to the separate FACSIMILE REFERENCE manual.

Part Names



- 1- The **main switch** turns your machine on and off.
- 2- 10 Quick Dial keys store telephone numbers.
- 3- The cover release button.
- 4- Incoming faxes and copies are sent to the **copy tray**.
- 5- The **automatic document feeder (ADF)** holds up to 30 sheets which are fed one at a time. Place your original documents here.
- 6- Match the document guide to the size of your original documents.
- 7- Scanned documents are stacked on the **Document Tray**.
- 8- The **main paper tray** holds copy paper.
- 9- When loading paper, match the **paper guide** to the paper size.
- 10- The optional paper feed unit holds more paper. This unit is displayed as "**2nd Tray**" on the PC driver screen.

SETTING UP

Cable connections

Note: A cable is not included with this machine for connection to your personal computer. Please purchase a bi-directional parallel interface cable with the following specifications.

Note: Do not connect or disconnect this cable while the power is ON.

Cable Specifications

IEEE 1284-B Bi-directional parallel

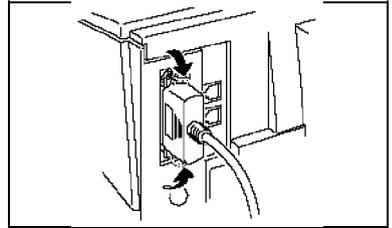
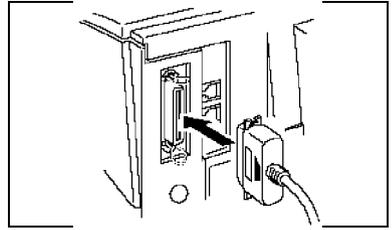
Cable Length: Less than 3 meters

Pin Assignments

NO.	Signal	I/O
1	STROBE	I
2	DATA1	I/O
3	DATA2	I/O
4	DATA3	I/O
5	DATA4	I/O
6	DATA5	I/O
7	DATA6	I/O
8	DATA7	I/O
9	DATA8	I/O
10	ACLKNLG	O
11	BUSY	O
12	PE	O
13	SLCT	O
14	AUTOFD	I
15	NC	
16	GND	
17	GND	
18	NC	

NO.	Signal	I/O
19	GND	
20	GND	
21	GND	
22	GND	
23	GND	
24	GND	
25	GND	
26	GND	
27	GND	
28	GND	
29	GND	
30	GND	
31	INIT	I
32	FAULT	O
33	NC	
34	NC	
35	NC	
36	SELECTIN	I

- 1** With the power OFF, connect one end of the cable to the Parallel connector on the rear of this machine. Confirm that the connector's direction is correct, then insert it securely in the female connector and fasten it with the wire clips.



- 2** Connect the other end of the cable to the parallel connector on the rear of your personal computer.

Driver Software WinStyler T175 Setup

When the hardware setup is completed, it is necessary to install the driver software packed with the machine. See "Appendix A: **Installing the Driver Software T175**" for the driver software installation procedure.

When the above setup has been completed and Windows is restarted, then the Test Print screen is displayed. Execute Test Print and check to make sure there have been no problems in Setup.

Also see "Appendix A: **Installing the Driver Software T175**" for the Test Printing.

An explanation of the operation of the various functions of this machine is given in the following pages.

PC-PRINTING

Introduction

This machine functions as a laser printer with the following specifications.

- Windows 95, Windows 3.1 and DOS Box compatible printer.
- Windows GDI + PCL4.5 soft Emulation drivers are built-in.
- Print Resolution: 300 dpi (equivalent to 600 dpi)
- Print Speed: 6 PPM (In the case of A4 or LT size)
- First Print Time: 22 sec.

Paper sizes can be printed

- When paper is fed from the Main Paper Tray (Holds up to 150 sheets):

**A4, LT, LG, F4, EXE, A5, U.S. No. 10 envelope (Note1),
European DL envelope(Note2), U.S. Transparency,
European A4 Transparency (Note3)**

Note1/Note2: Envelopes

Envelope printing can only be done one at a time by manual feeding. Also, the print quality cannot be guaranteed.

Note3: Transparency

OHP printing can only be done one at a time by manual feeding. Also, the print quality cannot be guaranteed.

- When paper is fed from the Optional Paper Feed Unit (Holds up to 250 sheets):

A4, LT, LG

Advanced Features

In addition to basic printing, this machine also supports the following print functions.

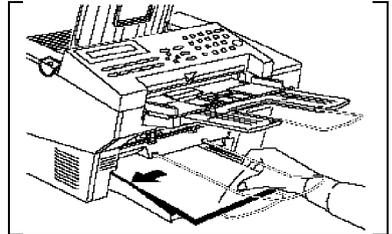
- 2 up/4 up Printing
- Overlay Printing
- Manual Duplex Printing

Note: Overlay Printing and Manual Duplex Printing cannot be performed at the same time. For the details of the above functions, see "**WinStyler GDI Mode**" explained later on.

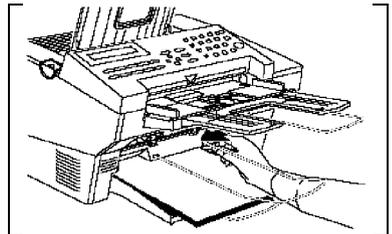
Operations

Basic Operation

1 Place the paper on the tray, making sure it is flush against the left wall.



2 Slide the paper guide to the left so it lightly touches the paper.



Paper sizes that can be printed are mentioned above. The Main Paper Tray holds up to 150 sheets and the Optional Paper Feed Unit holds up to 250 sheets.

Note: Check beforehand whether the paper size setting matches with the size of the actual paper. Jog the bundle of paper well before setting it in the paper feed unit.

3 Select the Print Mode.

Select either the GDI mode or the PCL emulation mode.

GDI mode provides fast, WYSIWYG output by taking advantage of Windows' native graphics and text features. PCL emulation mode provides compatibility with the popular printer language used in the LaserJet IIP. Both Windows applications and DOS applications running under Windows can use PCL emulation mode for printing.

In the GDI mode, printing is possible from the WINDOWS application software only. If the PCL mode is selected, printing of DOS applications which run in WINDOWS can also be done.

For details, see "**Selecting the Printing Mode**", explained later on.

- 4 If necessary, set more detailed printing conditions in the selected mode.

The following settings are possible in the WinStyler GDI Mode (from Property Screen).

Copies/Print Quality/Orientation/Paper Size/Paper Source/2up or 4up/Use Print Manager (Top Page, Manual Duplex, Overlay)/Print to File/Scale/Image. For details, see "**WinStyler GDI Mode**," explained later on.

The following settings are possible in the WinStyler PCL Mode (from PCL Control Panel).

Form Feed/Reset/Paper Source/Paper Size/Orientation/Default Font/Margins/Copies

For details, see "**WinStyler PCL Mode / WinStyler PCL Control Panel**," explained later on.

- 5 Execute Print instruction from the application.

Printing from a Windows Application

Once you have selected your printer mode (GDI or PCL), just print from your Windows application as you would to any other printer.

Printing from a DOS Application within Windows

WinStyler is a Windows printer driver, designed for use with Windows. In particular, WinStyler's GDI mode is based on Windows and does not work with MS-DOS. However, WinStyler will work in PCL mode if you create an MS-DOS session from within Windows. Enter MS-DOS from Windows (click on the DOS application icon, or click on the MS-DOS icon and run your application from the command line).

Set up your application to print to the parallel port LPT1 (or LPT2 or LPT3 if you have WinStyler set to print to one of these ports instead). Be sure your application's PCL driver is installed. Select a printer driver.

When ready to print, start your DOS application and print from your application as you normally would to LPT1 (or whichever port WinStyler is connected to).

Printing PCL and ASCII Files from MS-DOS

If you have a file in PCL or ASCII (text) format, you can print it from the MS-DOS command line within Windows. At the command line prompt, type

```
COPY/B <filename.ext> LPT1
```

where <filename.ext> is the name of your PCL or ASCII-formatted file. (If you have configured WinStyler to print to a different parallel port, give its name instead of LPT1.)

Printing ASCII Text Files

You can output plain ASCII text files to the WinStyler printer by following this simple procedure.

- 1** Click on the "Notepad" application provided with your Windows 95 system.
- 2** Open the file you wish to print.
- 3** Print the file.
- 4** Exit without saving changes.

Advanced Operation

When using Print Manager, the following functions can be used.

- Manual Duplex Printing
- Reverse Printing
- Overlay Printing

For details, please see "**WinStyler GDI Mode**", described later.

Selecting the Printing Mode

You can select either of the two printing modes, GDI mode or PCL mode, according to your requirements. If you cannot determine which printing mode is best suited for your printing applications under Windows, we recommend you always use GDI mode first.

GDI mode has the following features:

- GDI mode prints what you see on your screen.
- Faster printing as much as four to five times faster for some files
- Manual Duplexing
- Top Page
- Overlay
- Scale
- 2 up / 4 up
- Image

PCL mode is effective in the following cases:

- when you want to print a file created with MS-DOS application
- when you want to print a PCL format file.

GDI mode works very well with most software packages. However, some applications can create output that is too complex for Windows to display accurately on the screen - a file with a sophisticated embedded graphic image might be an example. Here GDI might work fine for draft copies but falls short of the quality needed for final output. For these situations WinStyler provides a PCL mode.

Changing the printing mode

There are two methods to change the printing mode, GDI mode or PCL mode.

Changing the printing mode from an application

Most of the popular Windows applications allow you to change GDI mode / PCL mode. For example, to do it on Microsoft Write, perform the following.

- 1** Select "Print Setup..." under File menu. Print Setup window will be displayed.

- 2** Select the desired printing mode. To change to GDI mode, select "WinStyler T175 GDI - WST175:". To change to PCL mode, select "WinStyler T175 PCL - WST175:".

Changing the printing mode by using the "Printers" folder (Windows 95)

- 1** Click the START button on the task bar.
- 2** Select the menu item "Settings" and click.
- 3** Select the menu item "Printers" and click.
- 4** Select the desired printer device. To change to GDI mode, select " WinStyler T175 GDI". To change to PCL mode, select "WinStyler T175 PCL".
- 5** Click the right mouse button.
- 6** Click on "Set As Default". The printing mode you selected in step 4 appears in the "Default Printer" field.

Changing the printing mode by using the Control Panel in Windows (Windows 3.1)

- 1** Restore the "Main" window in the Program Manager (if this window has been minimized).
- 2** Double-click on the "Control Panel" icon in the "Main" window.
- 3** Double-click on the "Printers" icon in the "Control Panel" window.
- 4** Select the desired printing mode. To change to GDI mode, select "WinStyler T175 GDI on T175GDI". To change to PCL mode, select "WinStyler T175 PCL on T175PCL".
- 5** Click on "Set As Default Printer". The printing mode you selected in step 4 appears in the "Default Printer" field.
- 6** Click on Close.

WinStyler T175 GDI Mode (Windows 95)

GDI mode takes advantage of Windows' own internal design to produce documents faster than most conventional printers can. Other printers require Windows to translate a document into a special printer language, such as PCL on LaserJet printers. GDI mode reduces overhead by eliminating this translation step before starting to print. This results in faster printing - as much as four to five times faster for some files.

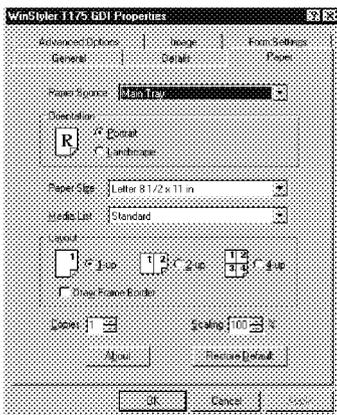
GDI mode has a speed advantage with documents that have multiple fonts. A standard printer language such as PostScript must do extra work for each different font in a document. In contrast, printing the same document in GDI mode requires only a small amount of additional processing, which means quick text printing no matter how many fonts are included.

GDI Property Screen

You can access the setup screen from the Setup or Print Setup feature of many applications. You can also reach it from the Printers screen of the Windows Control Panel.

The setup screen lets you change the following settings:

- | | |
|--|--|
| <input type="checkbox"/> Copies | <input type="checkbox"/> Use Print Manager |
| <input type="checkbox"/> Print Quality | (Top Page, Manual Duplexing, Overlay) |
| <input type="checkbox"/> Orientation | <input type="checkbox"/> Print to File |
| <input type="checkbox"/> Paper Size | <input type="checkbox"/> Scale |
| <input type="checkbox"/> Paper Media | <input type="checkbox"/> 2 up/4 up |
| <input type="checkbox"/> Paper Source | <input type="checkbox"/> Image |



Copies

Copies determines how many copies of your document will be printed by your printer.

Scale

Use Scale to reduce or enlarge your output on the printed page. You can enter a number from 10% to 500%, or click on the arrows to increase or reduce the setting.

Note: Changing the Scale may sometimes break the edges of your output. If it occurs, reset the margin.

2 up / 4 up

WinStyler lets you print 2 or 4 pages on a single sheet of paper.

Select 2 up if you want WinStyler to print two pages on one sheet of paper. (In portrait mode, the pages show up side by side as if in a book.) Select 4 up if you want WinStyler to print four pages on one sheet of paper. Select 1 up if you wish to print normally.

Draw Frame Border

If you click on Draw Frame Border, WinStyler will draw a box around each page on the paper.

Note: 1 Selecting 2 up/4 up may sometimes break the edges of your output. If it occurs, reset the margin.

2 If you want to use the Overlay with 2 up/4 up, create the Overlay file by 2 up/4 up in advance, then use it for the output of 2 up/4 up.

Orientation

For Orientation, choose Portrait or Landscape. If you choose Portrait, your output appears with the papers shorter edges at top and bottom, and longer edges at the side, like a business memo. If you choose Landscape, your output appears with the longer edges at the top and bottom, and the shorter edges at the sides. Landscape is sometimes used for graphs, spreadsheets, and presentation slides.

Paper Size

Size lets you change to a different paper size. First, click on the size box, then scroll through the selection. When you see the paper size you want, click on it.

regular paper

- | | | | |
|--------------------------|-----------|---------------------|-----------------------|
| <input type="checkbox"/> | Letter | 8 1/2 x 11 inch | (215.9 x 279.4 mm) |
| <input type="checkbox"/> | A4 | 210 x 297 mm | (8.27 x 11.7 inch) |
| <input type="checkbox"/> | Executive | 7 1/4 x 10 1/2 inch | (184.1 x 266.7 mm) |
| <input type="checkbox"/> | Legal | 8 1/2 x 14 inch | (215.9 x 355.6 mm) |
| <input type="checkbox"/> | A5 | 148 x 210 mm | (5.83 x 8.27 inch) |
| <input type="checkbox"/> | F4 | 210 x 330 mm | (8.27 x 12.99 inch) |

envelopes

- | | | | |
|--------------------------|----------------------|--------------------|----------------------|
| <input type="checkbox"/> | U.S. No.10 Envelope | 4 1/8 x 9 1/2 inch | (104.9 x 241.3 mm) |
| <input type="checkbox"/> | European DL Envelope | 110 x 220 mm | (4.33 x 8.66 inch) |

Paper Media

- | | | |
|--------------------------|--------------|--------------------------|
| <input type="checkbox"/> | Standard | Plain Paper |
| <input type="checkbox"/> | Transparency | U.S. Transparency |
| | | European A4 Transparency |

Paper Source

Main Tray and 2nd Tray are the paper sources.
(Optional Paper Feed Unit is only for Letter, A4, and Legal.)

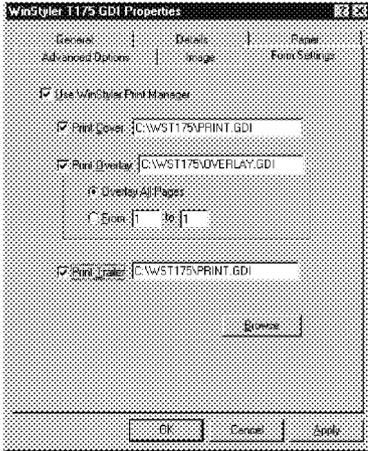
Overlay

The Overlay screen is one of the most powerful features of the WinStyler software. The WinStyler feature lets you overlay an image over any document printed in GDI mode.

You can use this feature to

- Incorporate your letterhead on the first page of a business letter.
- Print your logo at the bottom of each page of a set of presentation slides.
- Overlay the word Confidential on every page of an important document.
- Print a special cover page or trailer page for each print job.

First make sure that Use Print Manager is selected on the WinStyler GDI window, then click on "Overlay".



Use Print Manager

Putting an X in the box marked "Use Print Manager" turns the Print Manager on when you use GDI mode. (The WinStyler T175 Print Manager always turns on automatically when you print in PCL- mode.) The WinStyler T175 Print Manager lets you use some additional features in GDI mode, including manual duplexing, reverse printing, overlays, and the use of the WinStyler T175 Print Manager control screen. Turn off the WinStyler T175 Print Manager to make GDI mode even faster.

Print Cover Page

Select this feature to print your image on a separate page before the rest of your document.

Print Overlay

This feature will overlay your image over pages of your document. (The effect is similar to printing your image on a transparency, then putting the transparency over your document.)

- Select All to overlay the image on each page in the document.
- Select From to overlay the image on a range of pages within the document.
- Select None to disable the Overlay feature.

Print Trailer Page

Select this feature to print your image on a separate page after the rest of your document.

OK

This will cause your changes to take effect and return you to the previous screen.

Cancel

If you click Cancel, your changes will be ignored, and you will return to the previous screen.

Browse

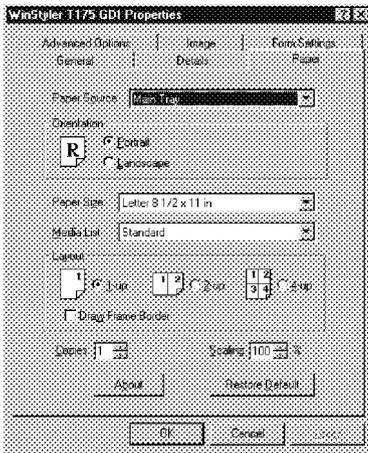
After selecting Print Cover Page, Print Trailer Page, or Print Overlay, clicking browse will let you select the existing GDI file for form overlay function.

How to make *.GDI file and setup Overlay feature

- 1** Using an application such as Paintbrush, CorelDRAW or PageMaker, create and save a graphic file that you want to overlay on pages of a document.
- 2** Verify the graphic by printing it out, and minimize the application.
- 3** Select " WinStyler T175 GDI".
- 4** Click "Properties" in the Print Window. The WinStyler T175 GDI Properties window will appear.
- 5** Select "Advanced Options" Tab.
Check in the "Print to File" check box.
- 6** Click "OK".
- 7** Click "OK".
- 8** Double click the same application which you minimized in step 2 and perform the print operation. A screen asking you to enter the file name will appear.

- 9** Enter a new file name or the same file name with the GDI extension (.GDI) and click "OK" to store the file as a GDI file.
- 10** Minimize the application.
- 11** Perform steps 3 and 4 above.
- 12** Disable the "Print to File" feature by clicking off the check box at the left. The X mark will be cleared from the check box.
- 13** Use the Form Setting Tab to check the "Use WinStyler Print Manager", then select "Overlay", "Cover Page" and "Trailer Page" and enter the file name.
- 14** Click "Browse". The Browse window will appear.
- 15** Double click on the directory in which you saved your graphic file (GDI file), then select the file and click "OK". The selected file will appear in a box in the Form Setting Tab.
- 16** Click "OK" in the WinStyler T175 GDI Properties Window.
- 17** Click "OK" in the Print window.
- 18** Print the desired document. The graphic will be overlaid on the pages of your document.

Note: If you want to use the Overlay with 2 up/4 up, create the Overlay file by 2 up/4 up in advance, then use it for the output of 2 up/4 up.



Top page

WinStyler normally prints documents in page number order (i.e. page 1 first). Clicking on the 3,2,1 button in the Top Page box will instruct WinStyler to print your output in reverse order, i.e. last page first and first page last. This option is only available if the WinStyler T175 Print Manager is enabled for GDI printing.

Manual Duplexing

Manual Duplexing feature has the following selections.

Book prints out so that if you opened the document in the manner of a book, pages 2 and 3 would face each other. Report prints the even-numbered pages upside down, so that if you opened the document in the manner of a report bound at the top, pages 2 and 3 would face the same way. Off disables Manual Duplexing.

You can also put an X in the box marked Print Instruction. If you do this, then the WinStyler printer will print out a sheet of paper giving you detailed instructions every time you print in manual duplex mode.

1 Click Use Print Manager on the Advanced Tab in the WinStyler T175 GDI Properties window.

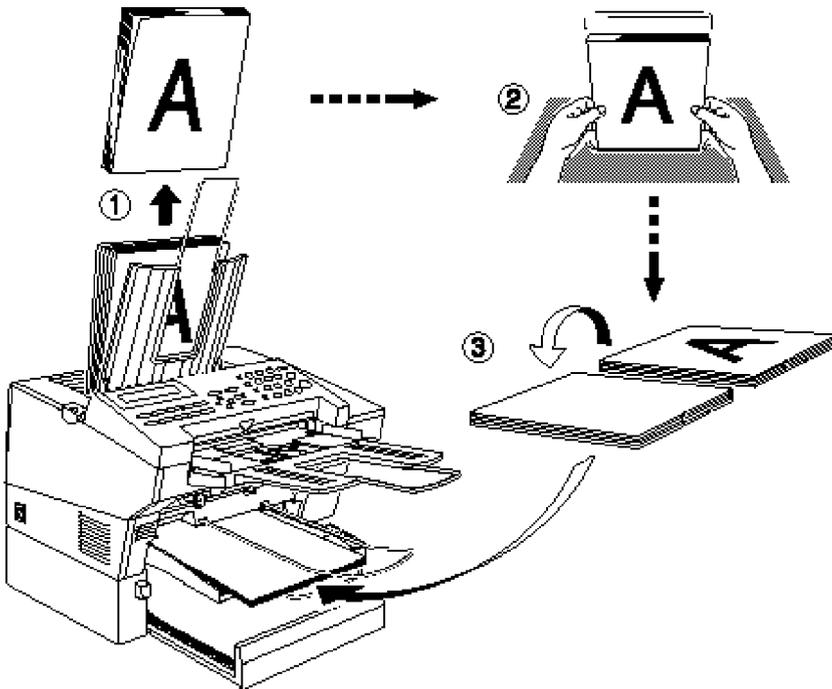
2 Click (Check) on "Manual Duplexing" check box.
Select "Book" or "Report" style.

If you wish to get a printout of detailed instructions, select the box at the left of Print Instruction.

- 3** Click on "OK".
- 4** Click "OK" on Print Window.
- 5** Start your Windows application.
- 6** Print the desired document.

The printer will print every odd-numbered page, starting with page 1. If the Print Instruction is effective, an instruction sheet will be printed before any pages are printed. When all odd pages are printed, WinStyler T175 Status Display or Show Me will instruct you how to reinsert the paper to print on the other side of the pages.

- 7** Pick up the printed sheets 1 , straighten them 2 , and then reinsert them into the printer 3 .



8 Click on Resume on the WinStyler T175 Status Display window to resume printing.

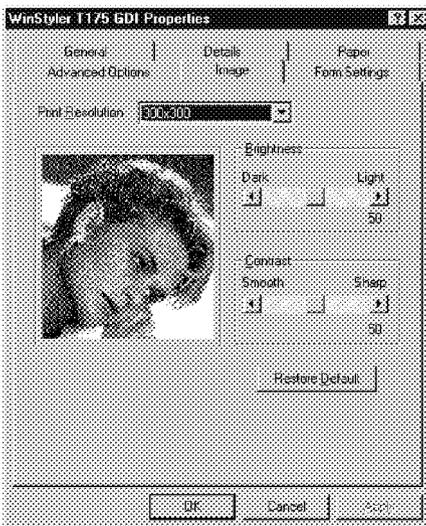
The printer will print every even-numbered page on the backs of the pages already printed.

Print to File

If you select Print to File, your output will go to a file instead of the printer. This is useful if you want to print from a file later, or print the identical file multiple times over several intervals. You can also use Print to File to create a form, discussed before in this section. The print file is stored in GDI format. See the WinStyler Print Manager for information on how to print from a file using the Add button.

Image

The Image screen lets you adjust the appearance of images within your output. These adjustments only apply to certain types of images and grayscales, not to text or black line drawings. The figure at the screens left will change as you move the controls to give you a rough idea of the effect of your adjustments.



Print Resolution

Your printer provides only one print quality, i.e. 300 x 300 dpi (dots per inch)

Brightness Control

Drag the Brightness knob or click on the arrows to make shades of gray in image output appear lighter or darker.

Contrast Control

Drag the Contrast knob or click on the arrows to make image output appear sharper, or softer and more blurry.

OK

Click on OK to make your changes take effect and return to the previous screen.

Cancel

Click on Cancel to ignore any changes you have made and return to the previous screen.

Restore Default

Click on Default to restore Image settings to their default values.

WinStyler T175 GDI Mode (Windows 3.1)

GDI mode takes advantage of Windows' own internal design to produce documents faster than most conventional printers can. Other printers require Windows to translate a document into a special printer language, such as PCL on LaserJet printers. GDI mode reduces overhead by eliminating this translation step before starting to print. This results in faster printing - as much as four to five times faster for some files.

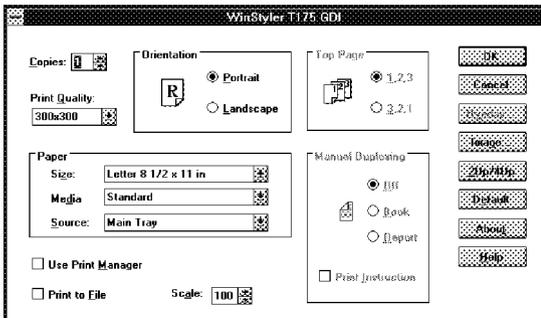
GDI mode has a speed advantage with documents that have multiple fonts. A standard printer language such as PostScript must do extra work for each different font in a document. In contrast, printing the same document in GDI mode requires only a small amount of additional processing, which means quick text printing no matter how many fonts are included.

GDI Setup Screen

You can access the setup screen from the Setup or Print Setup feature of many applications. You can also reach it from the Printers screen of the Windows Control Panel.

The setup screen lets you change the following settings:

- Copies
- Print Quality
- Orientation
- Paper Size
- Paper Media
- Paper Source
- Use Print Manager (Top Page, Manual Duplexing, Overlay)
- Print to File
- Scale
- 2 up/4 up
- Image



Copies

Copies determines how many copies of your document will be printed by your printer.

Print Quality

Your printer provides only one print quality, i.e. 300 x 300 dpi (dots per inch).

Orientation

For Orientation, choose Portrait or Landscape. If you choose Portrait, your output appears with the papers shorter edges at top and bottom, and longer edges at the side, like a business memo. If you choose Landscape, your output appears with the longer edges at the top and bottom, and the shorter edges at the sides. Landscape is sometimes used for graphs, spreadsheets, and presentation slides.

Paper Size

Size let you change to a different paper size, First, click on the size box, then scroll through the selection. When you see the paper size you want, click on it.

regular paper

- | | | | |
|--------------------------|-----------|---------------------|-----------------------|
| <input type="checkbox"/> | Letter | 8 1/2 x 11 inch | (215.9 x 279.4 mm) |
| <input type="checkbox"/> | A4 | 210 x 297 mm | (8.27 x 11.7 inch) |
| <input type="checkbox"/> | Executive | 7 1/4 x 10 1/2 inch | (184.1 x 266.7 mm) |
| <input type="checkbox"/> | Legal | 8 1/2 x 14 inch | (215.9 x 355.6 mm) |
| <input type="checkbox"/> | A5 | 148 x 210 mm | (5.83 x 8.27 inch) |
| <input type="checkbox"/> | F4 | 210 x 330 mm | (8.27 x 12.99 inch) |

envelopes

- | | | | |
|--------------------------|----------------------|--------------------|----------------------|
| <input type="checkbox"/> | U.S. No.10 Envelope | 4 1/8 x 9 1/2 inch | (104.9 x 241.3 mm) |
| <input type="checkbox"/> | European DL Envelope | 110 x 220 mm | (4.33 x 8.66 inch) |

Paper Media

- | | | |
|--------------------------|--------------|---|
| <input type="checkbox"/> | Standard | Plane Paper |
| <input type="checkbox"/> | Transparency | U.S. Transparency
European A4 Transparency |

Paper Source

Main Paper Tray and Optional Paper Feed Unit are the paper sources.

Use Print Manager

Putting an X in the box marked "Use Print Manager" turns the Print Manager on when you use GDI mode. (The WinStyler Print Manager always turns on automatically when you print in PCL- mode.) The WinStyler Print Manager lets you use some additional features in GDI mode, including manual duplexing, reverse printing, overlays, and the use of the WinStyler Print Manager control screen. Turn off the WinStyler Print Manager to make GDI mode even faster.

Top page

WinStyler normally prints documents in page number order (i.e. page 1 first). Clicking on the 3,2,1 button in the Top Page box will instruct WinStyler to print your output in reverse, i.e. last page first and first page last. This option is only available if the WinStyler Print Manager is enabled for GDI printing.

Manual Duplexing

Manual Duplexing feature has the following selections.

Book prints out so that if you opened the document in the manner of a book, pages 2 and 3 would face each other. Report prints the even-numbered pages upside down, so that if you opened the document in the manner of a report bound at the top, pages 2 and 3 would face the same way. Off disables Manual Duplexing.

You can also put an X in the box marked Print Instruction. If you do this, then the WinStyler printer will print out a sheet of paper giving you detailed instructions every time you print in manual duplex mode.

1 Click Use Print Manager on WinStyler T175 GDI window.

2 Select "Book" or "Report" style.

If you wish to get a printout of detailed instructions, select the box at the left of Print Instruction.

- 3** Click on "OK".
- 4** Click on "Close" on Printers window.
- 5** Start your Windows application.
- 6** Print the desired document.

The printer will print every odd-numbered page, starting with page 1. If the Print Instruction is effective, an instruction sheet will be printed before any pages are printed. When all odd pages are printed, WinStyler T175 Status Display or Show Me will instruct you how to reinsert the paper to print on the other side of the pages.

- 7** Pick up the printed sheets, straighten them, and then reinsert them into the printer.
- 8** Click on Resume on the Destiny WinStyler Status Display window to resume printing.

The printer will print every even-numbered page on the backs of the pages already printed.

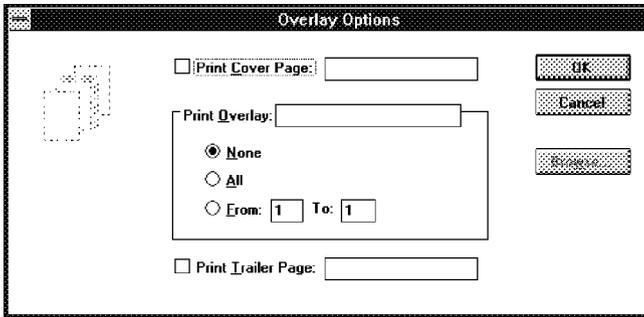
Overlay

The Overlay screen is one of the most powerful features of the WinStyler software. The WinStyler feature lets you overlay an image over any document printed in GDI mode.

You can use this feature to

- Incorporate your letterhead on the first page of a business letter.
- Print your logo at the bottom of each page of a set of presentation slides.
- Overlay the word Confidential on every page of an important document.
- Print a special cover page or trailer page for each print job.

First make sure that Use Print Manager is selected on the WinStyler T175 GDI windows, then click on "Overlay".



Print Cover Page

Select this feature to print your image on a separate page before the rest of your document.

Print Overlay

This feature will overlay your image over pages of your document. (The effect is similar to printing your image on a transparency, then putting the transparency over your document.)

Select All to overlay the image on each page in the document.

Select From to overlay the image on a range of pages within the document.

Select None to disable the Overlay feature.

Print Trailer Page

Select this feature to print your image on a separate page after the rest of your document.

OK

This will cause your changes to take effect and return you to the previous screen.

Cancel

If you click Cancel, your changes will be ignored, and you will return to the previous screen.

Browse

After selecting Print Cover Page, Print Trailer Page, or Print Overlay, clicking Browse will let you search for your GDI file in the file system.

How to make *.GDI file and setup Overlay feature

- 1** Using an application such as Paintbrush, CorelDRAW or PageMaker, create and save a graphic file that you want to overlay on pages of a document.
- 2** Verify the graphic by printing it out, and minimize the application.
- 3** Change the printing mode to "WinStyler T175 GDI on T175GDI".
- 4** Click "Setup" in the Printers Window. The WinStyler T175 GDI window will appear.
- 5** Select "Print to File" by clicking on the check box at the left. An X mark appears in the check box.
- 6** Click "OK".
- 7** Click "Close".
- 8** Double click the same application which you minimized in step 2 and perform the print operation. A screen asking you to enter the file name will appear.
- 9** Enter a new file name or the same file name with the GDI extension (.GDI) and click "OK" to store the file as a GDI file.
- 10** Minimize the application.
- 11** Perform steps 3 and 4 above.
- 12** Disable the "Print to File" feature by clicking off the check box at the left. An X mark will be cleared from the check box.
- 13** Select "Use Print Manager" by clicking on the check box. An X mark appears in the check box.
- 14** Click "Overlay". The Overlay Options window will appear.
- 15** Click on the desired selection(s). For example, select Print Cover Page.

- 16** Click "Browse". The Browse window will appear.
- 17** Double click on the directory in which you saved your graphic file (GDI file), then select the file and click "OK". The selected file will appear in a box in the Overlay Options window.
- 18** Click "OK" in the Overlay Options window.
- 19** Click "OK" in the WinStyler T175 GDI window.
- 20** Click "Close" in the Printers window.
- 21** Print the desired document. The graphic will be overlaid on the pages of your document.

Note: If you want to use the Overlay with 2 up/4 up, create the Overlay file by 2 up/4 up in advance, then use it for the output of 2 up/4 up.

Print to File

If you select Print to File, your output will go to a file instead of the printer. This is useful if you want to print from a file later, or print the identical file multiple times over several intervals. You can also use Print to File to create a form, discussed before in this section. The print file is stored in GDI format. See the WinStyler Print Manager for information on how to print from a file using the Add button.

Scale

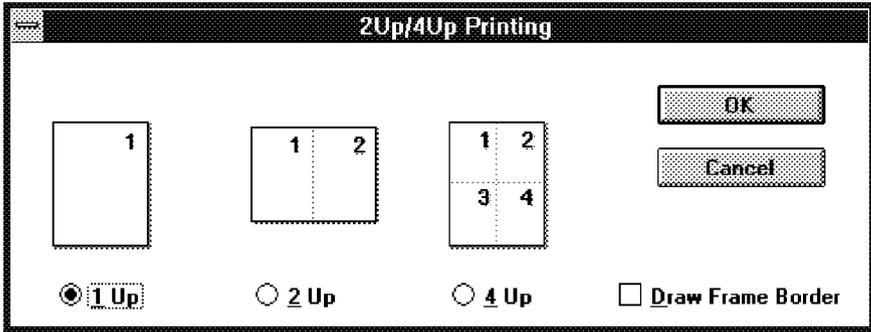
Use Scale to reduce or enlarge your output on the printed page. You can enter a number from 10% to 500%, or click on the arrows to increase or reduce the setting.

Note: Changing the Scale may sometimes break the edges of your output. If it occurs, reset the margin.

2 up / 4 up

WinStyler lets you print 2 or 4 pages on a single sheet of paper.

Select 2 up if you want WinStyler to print two pages on one sheet of paper. (In portrait mode, the pages show up side by side as if in a book.) Select 4 up if you want WinStyler to print four pages on one sheet of paper. Select 1 up if you wish to print normally.



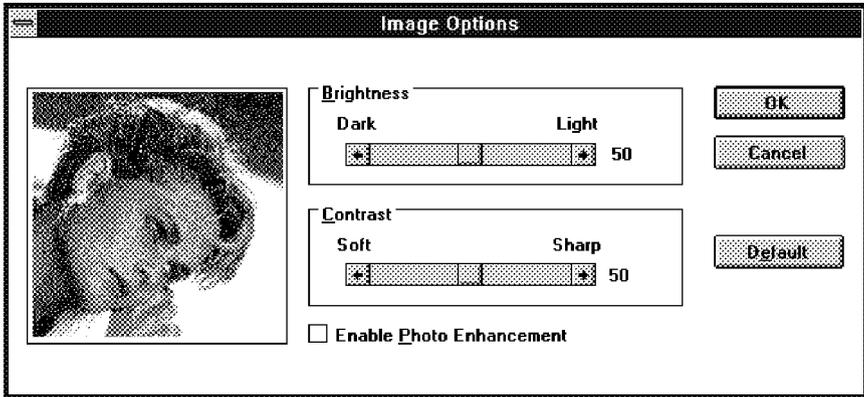
Draw Frame Border

If you click on Draw Frame Border, WinStyler will draw a box around each page on the paper.

- Note:**
- 1 Selecting 2 up/4 up may sometimes break the edges of your output. If it occurs, reset the margin.
 - 2 If you want to use the Overlay with 2 up/4 up, create the Overlay file by 2 up/4 up in advance, then use it for the output of 2 up/4 up.

Image

The Image screen lets you adjust the appearance of images within your output. These adjustments only apply to certain types of images and grayscales, not to text or black line drawings. The figure at the screens left will change as you move the controls to give you a rough idea of the effect of your adjustments.



Brightness Control

Drag the Brightness knob or click on the arrows to make shades of gray in image output appear lighter or darker.

Contrast Control

Drag the Contrast knob or click on the arrows to make image output appear sharper, or softer and more blurry.

OK

Click on OK to make your changes take effect and return to the previous screen.

Cancel

Click on Cancel to ignore any changes you have made and return to the previous screen.

Default

Click on Default to restore Image settings to their default values.

WinStyler T175 PCL Mode

No cartridges required

Some conventional printers include cartridge slots that allow you to, for example, install additional fonts into the printer. Since WinStyler creates printer page images on your system before downloading to the printer, installing a cartridge could not affect the final printout. Instead, WinStyler uses the fonts installed in your Windows system.

Saving downloaded fonts and macros in PCL mode

By default, when your application prints using WinStyler's PCL mode, the PCL interpreter will start up, print the document, and then shut itself off automatically. This means the PCL interpreter does not take up memory on your PC except when needed.

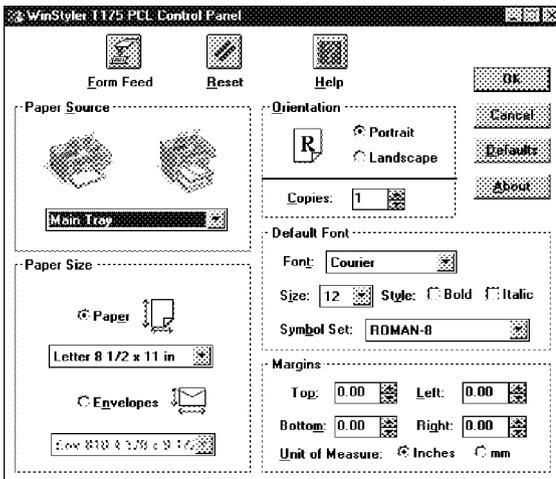
However, when the PCL interpreter turns itself off, any downloaded fonts or macros will be lost, just as if you had turned off a regular PCL printer. You can preserve this information by using the WinStyler T175 Print Manager to keep the PCL interpreter active.

- 1** From the Windows Program Manager, double-click on the WinStyler T175 Printer Manager icon in the WinStyler T175 Tools group.
- 2** Download macros or soft fonts in advance, if desired, using the ADD button to copy the macro or soft font data to the printer. (You can also copy the files from DOS under Windows, by using the command "COPY/B <file.ext> LPT1", where <file.ext> is the name of the file you wish to download.)
- 3** Minimize the WinStyler T175 Print Manager to an icon, if desired.
- 4** Start or return to your application and print your document.

This will preserve your downloaded fonts and macros. Also, if your next print job also uses PCL, it will take less time to print because the WinStyler PCL interpreter has already been loaded. However, if you switch from PCL to GDI mode, this information will be lost, just as if you were changing printer languages in a conventional printer.

WinStyler T175 PCL Control Panel

WinStyler was designed to print with Windows. However, many Windows users need to run MS-DOS applications occasionally. WinStyler lets you print from MS-DOS applications you only have to run the application from Windows, or within the DOS box under Windows. WinStyler also provides a PCL Control Panel for DOS PCL printing. This allows you to change printer settings for your DOS print jobs. (Note: some DOS applications may override these settings.) While the PCL Control Panel is included primarily for DOS print jobs, it also can affect the default settings for Windows PCL print jobs. However, the Windows printer driver overrides the corresponding settings in the PCL Control Panel.



Form Feed

Click on Form Feed if you need to eject a page from the printer. Some PCL files do not include a form feed (a command to eject a page) at the end of the file, so if you are printing to a conventional PCL printer, you have to press a form feed key to see your output. This happens frequently in MS-DOS. For example, if you use the DIR LPT1: command in the MS-DOS box in Windows, the job sent to the PCL interpreter will not have a form feed at the end, so that the last page (or a single page) won't print.

WinStyler puts this form feed key here on the PCL Control Panel.

Note: If WinStyler T175 Print Manager (in the program group "WinStyler Tools") is closed, a PCL file which does not include a form feed at the end of the file is printed automatically.

Reset

The Reset returns the printer to its reset state. In other words, it clears all data from the printer's memory, including forms, macros, and unprinted page images. In fact, it works just like the reset key on a conventional printer. Note that the Reset does not change the printer settings (orientation, paper size, number of copies, etc.) back to their default values. You will need to click on the Defaults key to restore these to their defaults.

Paper Source

Main Paper Tray and Optional Paper Feed Unit are the paper sources. (Optional Paper Feed Unit is only for Letter, A4, and Legal.)

Paper Size

To print on regular paper, with in the Paper Size box, first click on the paper icon. Then select the paper size you wish to use.

To print on envelopes, with in the Paper Size box, first click on the envelope icon. Then select the envelope size you wish to use.

regular paper

- | | | | |
|--------------------------|-----------|---------------------|----------------------|
| <input type="checkbox"/> | Letter | 8 1/2 x 11 inch | (215.9 x 279.4 mm) |
| <input type="checkbox"/> | A4 | 210 x 297 mm | (8.27 x 11.7 inch) |
| <input type="checkbox"/> | Executive | 7 1/4 x 10 1/2 inch | (184.1 x 266.7 mm) |
| <input type="checkbox"/> | Legal | 8 1/2 x 14 inch | (215.9 x 355.6 mm) |

envelopes

- | | | | |
|--------------------------|----------------------|--------------------|----------------------|
| <input type="checkbox"/> | U.S. No.10 Envelope | 4 1/8 x 9 1/2 inch | (104.9 x 241.3 mm) |
| <input type="checkbox"/> | European DL Envelope | 110 x 220 mm | (4.33 x 8.66 inch) |

Orientation

For Orientation, choose Portrait or Landscape. If you choose Portrait, your output appears with the paper's shorter edges at top and bottom, and longer edges at the side, like a business memo. If you choose Landscape, your output appears with the longer edges at the top and bottom, and the shorter edges at the sides. Landscape is sometimes used for graphs, spreadsheets, and presentation slides.

Default Font

Default Font lets you select the default typeface, size, and style for output from MS-DOS applications run under Windows, and for Windows PCL print jobs. Both MS-DOS and Windows applications can override the default font selection. Please note you do not have access to Windows TrueType fonts for MS-DOS print jobs.

Margins

The Margins settings let you define the top, bottom, left, and right margins for PCL print jobs, as measured from the edge of the paper. You can select either centimeters or inches as the unit of measure for these. Please note that DOS and Windows applications may override these settings.

Copies

Copies determines how many copies of your document will be printed by your printer.

OK

Click on OK for your changes to take effect. When you exit, the PCL Control Panel will load the PCL compatible interpreter into your PC's memory. This will save time when you later print from MS-DOS applications under Windows. However, you can close the PCL compatible interpreter and recover the memory, if you wish. Click on the PCL icon, then click on Close. This deletes the PCL compatible interpreter from memory until you print from an MS-DOS application under Windows, at which time it will be re-loaded automatically.

Cancel

Clicking Cancel will lose any changes you have made to PCL printer settings, and will exit the PCL Control Panel without loading the PCL compatible interpreter.

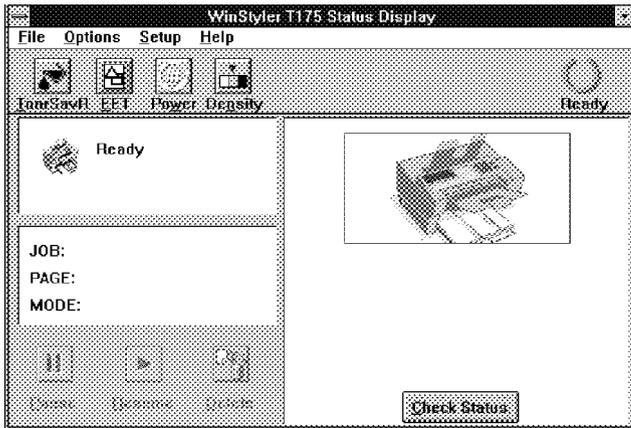
Default

Click on Defaults to restore all printer settings on the screen to their default values.

WinStyler T175 Status Display

The Status Display Program has two primary functions:

- To let you control certain features of your printer.
- To alert you in case of a problem with your printer, for example, if the paper jams.



File

This menu allows you to exit the WinStyler T175 Status Display.

Options

The selection in the Options menu control the Status Display.

Show Print Status Display when Printing

If you select this option, the Status Display icon will appear when you print a document. Otherwise, the Status Display Window will only display when an error occurs.

Animate Icon

When the printer icon is animated, it will appear to be printing whenever an actual print job is in process.

Show Toolbar Title of Status Display

Select this option if you want to see titles for the toolbar icons "Toner saver", "EET", "Density", and "Power saver".

Beep When Print Job is Complete

This option tells WinStyler to beep whenever it finishes printing a document. If you turn this selection off, WinStyler will make no sound when printing has finished.

Beep on Printer Error

This option tells WinStyler to beep whenever it encounters a printer problem, such as when the printer runs out of paper. If you turn this selection off, WinStyler will display an error message, but will not beep, if a problem occurs.

Setup

This menu displays the Change Printer Settings screen.

Edge Enhancement Technology

With Edge Enhancement turned on, WinStyler will smooth the jagged edges of text and line art, giving the output a very high quality appearance. There are three settings: Level 1, Level 2, and Level 3. The factory default setting is Level 2. If the EET setting is too dark, the edges appear to bulge. As a general guideline, select the EET setting so as to make this block look like a uniform gray block with no vertical lines in it.

If there are white vertical lines in it, set the EET to darker setting. If there are darker vertical lines in it, set the EET to a lighter setting.

TonrSavR Mode

With TonrSavR turned on, WinStyler will reduce the amount of toner used to print output. Black areas and text are replaced by a light gray shading.

- Light Text and objects on the page have a black outline along their left edge.
- Medium Text and objects on the page have a black outline along their left and right edges.
- Dark Text and objects on the page have a black outline along all edges. This setting is recommended over Light and Medium if you expect to fax or photocopy the document.
- Off This is the default setting and is recommended for the highest quality. Output appears normal.

Power Saving Mode

With Power Saving Mode turned on, you can save energy by instructing your printer to go to sleep if you do not use it for 5 minutes.

Density

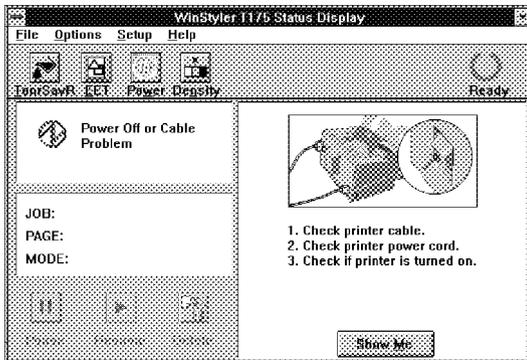
The density options lets you choose from Lighten to Darken. To make lighter, choose Lighten. To make print darker, choose Darken.

Connect Port

The Connect Port option lets you select a different parallel port for your WinStyler printer. Depending on what your PC has available, you can choose either LPT1, LPT2, or LPT3.

Show Me/Check Status

This animated help feature will walk you through the steps required to get your printer running once again. If you are not currently printing anything, the "Show Me" button will be changed to "Check Status". Click on the "Check Status" button to find out the current status of the printer.



Pause

The Pause button lets you pause printing while you do something else. For example, you can pause in order to cancel the print job from the application.

Resume

The Resume button lets you continue printing after you have paused printing, or after recovering from an error situation.

Delete

The Delete button lets you delete the job currently printing. (You must pause the job before you can delete it, unless the printer itself is paused because of an error.)

Status Box

This box shows an error or status message and the corresponding icon.

Job Status Box

This box shows the name of the application, file, page number for the job currently being printed, and the mode your printer is in.

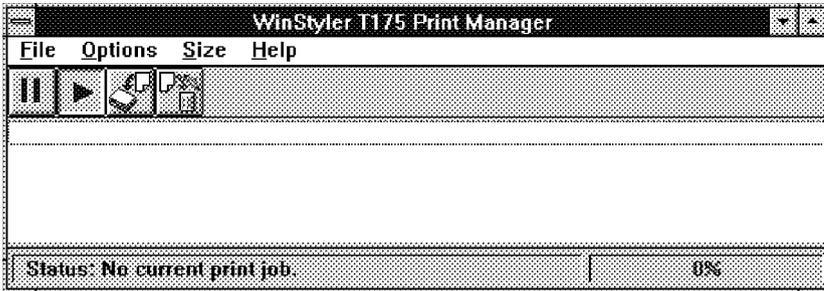
Printer Box

This box shows a picture of your printer. If a problem has occurred, an arrow points to where the printer is affected. The display also tells you what to do for each error or status message.

WinStyler T175 Print Manager

When you use the WinStyler T175 Print Manager, it manages all output to your WinStyler printer. You can see all files waiting to print, and change their order. You can see how much of the current print job has been processed. You can control how high the priority for printing will be compared to other applications running at the same time. And when the WinStyler T175 Print Manager is in use, you can take advantage of additional WinStyler features such as Overlay, Manual Duplexing and Top Page (reverse printing).

When minimized, the WinStyler T175 Print Manager appears as an icon at the bottom of your screen, with an animated progress bar showing how much of the print job has been processed. (You can turn the animation off by means of the Options menu on the WinStyler T175 Print Manager screen.)



File

Resume Printer

Resume Printer lets you resume printing a job that has been paused.

Pause Printer

Pause Printer lets you pause the current print job. Once paused, you can use the Resume button to continue printing, or cancel the print job by clicking the Delete button.

Add a document

Add a document lets you select a print job file in PCL or GDI format and add it to the end of the print queue. Be sure to select the correct file format (GDI, PCL) for the file you wish to print.

Delete documents

Delete documents lets you cancel a currently printing job that has been paused. You can also use the mouse to select a job that has not started printing, then click on DELETE to remove it.

Exit

To exit the WinStyler T175 Print Manager, select Exit from the File menu. Other ways to exit include pressing Alt-F4, or clicking on the System menu (the horizontal bar at the upper left hand corner of the window), and selecting Close. Exiting Windows will also close the WinStyler T175 Print Manager.

When You Exit Before Printing Has Completed

If you try to close the WinStyler T175 Print Manager, or exit Windows, while there are still documents waiting to be printed, WinStyler displays a message asking if you want to save the remaining print jobs.



If you select "Yes", the print jobs will be saved as you exit. When the WinStyler T175 Print Manager next starts up, it will resume processing and printing the documents. If you select "No", the print jobs will be lost, and you will exit. (The original applications files, from which the print jobs were created, will not be affected.) If you select "Cancel", you will not exit Windows or the WinStyler T175 Print Manager.

Options of Print Manager

Priority

Windows lets you run several applications at the same time. This helps productivity, but means you are sharing your PC's resources among several activities. The WinStyler's priority settings let you control the priority of the printing activity relative to other applications running at the same time. The Options menu lets you select high, medium, or low priority processing for when you print. Printing at high priority produces output faster, but may slow down your system more than the other priority settings. On the other hand, printing at lower priority lets your other applications run faster, but also means your document will take longer.

Show Toolbar title of Print Manager

This option lets you display or remove the titles to the WinStyler T175 Print Manager icons that represent Pause, Resume, Add, and Delete.

12/24 Hour Format

You can click on the format you want the time displayed in: 12 hour or 24 hour. (01:30 PM is an example of 12 hour format. The same time appears as 13:30 in 24 hour format.)

Size

The Size menu lets you decide how many print jobs you want the WinStyler T175 Print Manager to display. You can show a maximum of up to 5 or 10 print jobs in the queue.

Pause

The Pause button lets you pause the current print job. Once paused, you can use the Resume button to continue printing, or cancel the print job by clicking the Delete button.

Resume

The Resume button lets you resume printing a job that has been paused.

Add

The Add button lets you select a print job file in PCL or GDI format and add it to the end of the print queue. Be sure to select the correct file format (GDI, PCL) for the file you wish to print.

Queue Information

This part of the WinStyler T175 Print Manager show a queue of jobs waiting to be printed. Each entry includes information.

JOB NAME

The software application and file that created the print job.

FORMAT

GDI or PCL format

SIZE

How large the print job is, in bytes

TIME

Time of day the print job was created.

The WinStyler T175 Print Manager will take the first print job in the queue and send it to be processed and printed. However, if you have a mouse, you can change the order of print jobs that remain in the queue by following a "drag and drop" procedure:

- 1** Move the mouse to the entry you want to re-order.
- 2** Press the left mouse button. Do not lift your finger. The entry will turn blue to indicate that it has been selected.
- 3** Without lifting your finger, drag the print job (in other words, move the mouse) to the desired new location in the queue.
- 4** Release your finger from the mouse button. The print job will now show up in its new location, and the other print jobs will move up or down in the queue as necessary to make room for it.

Status bar

The Status bar shows whether WinStyler is printing, paused, or ready to print. During printing, the status bar shows the page number currently being printed.

Progress bar

The progress bar shows the percentage of the print job processed by the WinStyler software on the PC. Once this processing has completed, the WinStyler printer will begin feeding and printing to paper.

Fonts in GDI Mode

One benefit of WinStyler GDI's WYSIWYG (what you see is what you get) approach becomes clear as you use fonts. In Windows, any font you can see on the screen will work with your printer. This includes TrueType, Type 1 (through Adobes ATM software), and Intellifont (through Intellifont for Windows). TrueType is usually the most efficient, since it is already built into Windows. However, in most cases the performance difference between TrueType and other kinds of fonts is negligible.

One advantage of GDI mode becomes evident when you work with documents that have multiple fonts. A standard printer language such as PostScript must fetch additional information every time it processes a new font in a document. A document with a large number of different fonts can take a noticeably long time to print. In GDI mode, the work of fetching font information takes place at the time the document is retrieved and displayed to the screen. Printing the document requires only a small amount of additional processing, which means quick text printing no matter how many fonts are included.

Note: Windows includes some special built-in fonts that were not meant for printing, such as Helv and MS Serif. These special fonts were designed for screen display, so their resolution (number of dots per inch) is coarser than the fonts that normally appear on a printed page. It is recommended that you not select these fonts when creating your documents. If you only need TrueType fonts (identified with a TT symbol on your font list), you can remove all others from your list of available fonts, by following the procedure below.

- 1** Open the Main Group in the Program Manager.
- 2** Double-click the Control Panel icon.
- 3** Double-click the Fonts icon.
- 4** Click the TrueType button.
- 5** Select Show Only TrueType Fonts in Applications, and click OK to exit the TrueType dialog box.

- 6** Click Close to exit the Fonts dialog box.
- 7** Select Close from the System menu to exit the Control Panel dialog box.

Note: If you would like to display other font formats besides TrueType, follow the procedure above, but clear Show Only TrueType Fonts in Applications, by clicking on the X to blank it out.

Fonts in PCL Mode

WinStyler's PCL mode supports several resident fonts, corresponding to the internal fonts in the HP LaserJet IIP. These include:

Courier, 10 point, 12 pitch, Regular, Bold, and Italic
Courier, 12 point, 10 pitch, Regular, Bold, and Italic
Line Printer, 8.5 point, 16.66 pitch, Regular

You can select these resident fonts in WinStyler's PCL mode.

- 1** Open the "Main" group in the Program Manager.
- 2** Double-click the "Control Panel" icon.
- 3** Double-click the "Fonts" icon.
- 4** Click the "TrueType" button.
- 5** Clear the checkbox "Show Only TrueType Fonts in Applications", and click OK to exit the TrueType dialog box.
- 6** Click "Close" to exit the Fonts dialog box.
- 7** Select "Close" from the "System" menu to exit the Control Panel dialog box.

Now select the resident fonts through your application as you would any other kind of font. The default when a font has not been selected is Courier 12 point regular.

PC-SCANNING

Introduction

With the specified scan software (Note), this machine has the following specifications as a scanner.

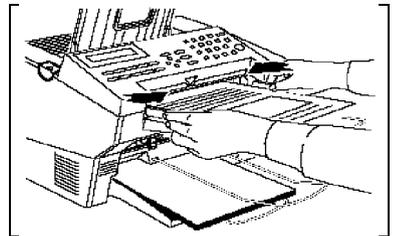
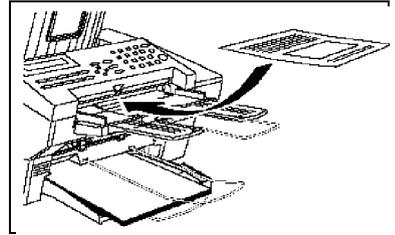
- It functions as a scanner for TWAIN Driver compatible Windows 95 and Windows 3.1.
- 5 scanning Density Adjustment Levels: Auto, Lightest, Lighter, Normal, Darker, Darkest
- Scanning Modes: Line Art/Error Diffusion/Dither
- Resolution: 200 x 200 dpi

Note:

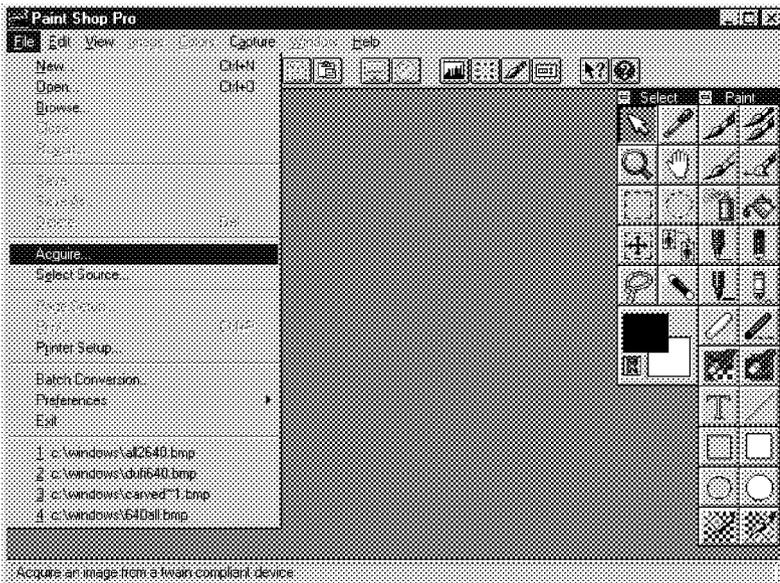
Scanning is available through any Windows application that supports a TWAIN interface.

Operation

- 1** Set the document to be scanned on the scanner table. Insert the document face up in the feeder and adjust the guides to fit the width of the document.

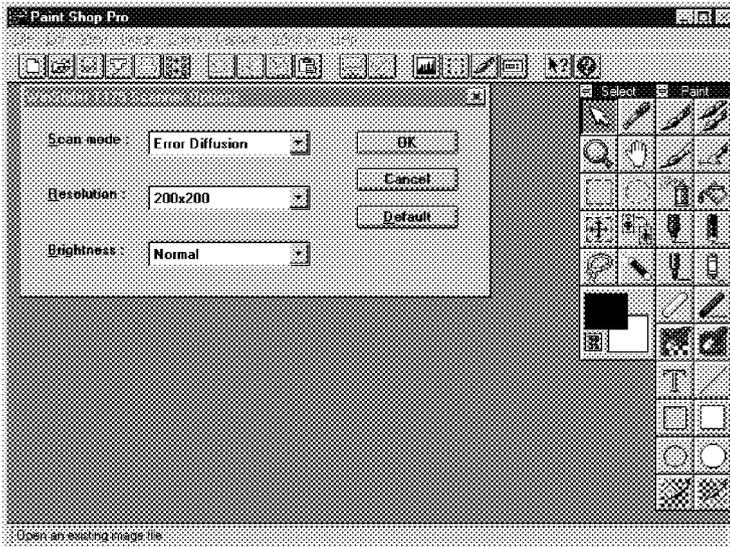


- 2** Fetch the WinStyler T175 Scanner Options from your Scanner Software.



(For Paint Shop Pro)

3 Set the following items.



Scan Mode/Resolution/Brightness

For details, see "Using the TWAIN Driver," explained later on.

4 Press **OK** to scan the document.

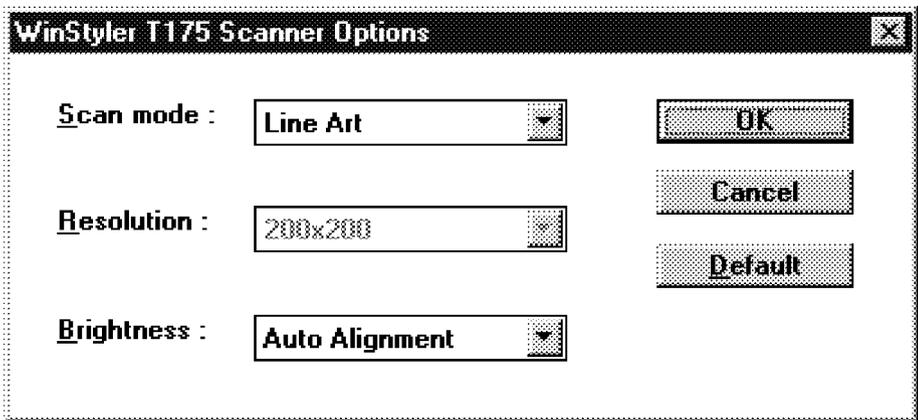
Note: After inputting of the telephone number is begun, the PC Scan function cannot be used.

Using the TWAIN Driver

Introduction

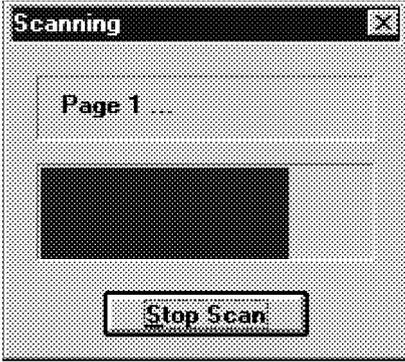
TWAIN is both a protocol and application programming interface. Together they define how application developers can acquire raster data directly into their application without requiring the user to switch out of the application. Every TWAIN-compliant driver must provide a user interface specific to its scanner.

Setting Parameters (User Interface)



- 1** Scan mode: Line Art (default), Error-Diffusion, Dither.
- 2** Resolution: 200 x 200 dpi (Fixed).
- 3** Brightness: Auto Alignment (default), Lightest, Lighter, Normal, Darker and Darkest.
- 4** OK: Saves the settings and starts the scanning. Page # indicates the current page. Below Page # is the progress bar of scanning the current page. Clicking the Stop Scan button shall stop the scanning.
- 5** Cancel: Discards the settings.
- 6** Default: Set Scan mode, and Brightness back to default. (LineArt, Auto Alignment)

During Scanning



- 7** Stop Scan: Stop the scanning JOB.

PC-FAXING

Introduction

By installing the BitWare for Windows or other specified fax application softwares (Note), you can send and receive FAX transmissions from your personal computer under the following specifications.

- Sending and Receiving FAX transmissions in Windows 95, Windows 3.1.
- Transmission Speeds: 14400, 12000, 9600, 7200, 4800, 2400 bps
- Control commands are compatible with the EIA-578 (Usually called Class 1) and Class 2 command systems.

Note: Available fax application softwares are as follows:

- Windows 95
 - WinFaxPRO 4.0/7.0
 - BitWare 3.30F
 - MS-FAX
- Windows 3.1
 - WinFaxPRO 4.0
 - BitWare 3.30F
 - Laser Fax 3.1
- Macintosh
 - Delrina Fax PRO 1.5

Note: For installation of BitWare for Windows and detailed settings, see the Cheyenne Manual, included herein.

Setting up the ComRedirector

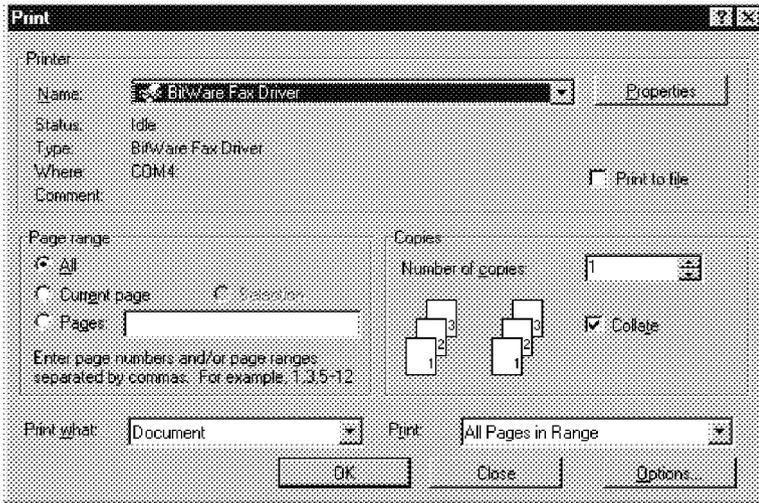
ComRedirector must be set up before using the PC-Fax function. For details, see "Using the ComRedirector," explained later on.

Operation

Sending a Fax

- 1** Open the file you want to send as a Fax on your computer.

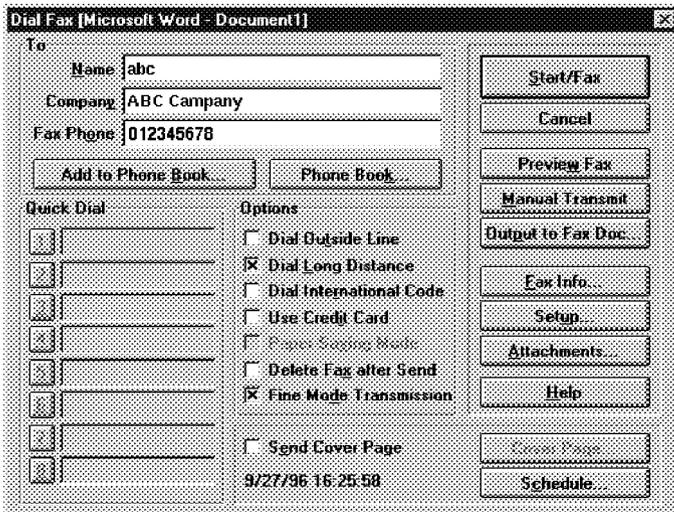
2 Print output destination is set to the FAX application.



(For Microsoft Word)

3 Execute Print instruction from the application.

4 Set the transmission destination, etc. in the FAX application, then execute a Send (Start/Fax) command.



Receiving a Fax

Set the PC-FAX RECEPTION Mode on the Operation Panel, using the following procedure.

1 Press the **FUNCTION** key, then press [6], [2222], [62].

```
INITIAL MODE Y/NEXT▶
62 SELECT FUNCTION
```

2 Press the **YES** key.

```
Y/NEXT▶
SELECT LINE
```

3 Press the j key once.

```
Y/NEXT▶
PC RECEPTION ON/OFF
```

4 Press the **YES** key.

```
PC RECEPTION Y/◀▶
ON ▶OFF
```

5 Select the **ON** by j k key, then press the **YES** key.

Note: If the PC-FAX RECEPTION Mode is not set (if SELECT PC is set in the above procedure), FAX transmissions cannot be received by your computer.

6 Set the Receiving Mode on in the FAX application.

7 Receive the FAX data.
(FAX data can be received automatically.)

Note: Manual Receiving Method

1 Set Auto Receiving off in the FAX application.

2 If the telephone receiver is connected to the machine, it will ring when there is an incoming call.

3 Start Manual Receiving in the FAX application.

Note: Caution if a Pause is inserted

If you desire to insert a pause in the number you are calling, input a comma (,) (see the FAX Manual). However, even if it is possible to set the length of a pause represented by one comma, that setting will not be valid, but the pause interval will be the default value of the machine.

Note: In PC-FAX, the One Touch Dialing/Speed Dialing/Group functions recorded in the machine cannot be used.

Note: When desiring to use tone switching in PC-FAX.

Input a "T" at the spot in the FAX number where you want to set tone switching.

Note: Relationship between the Distinctive Ring function and PC receiving

If the Distinctive Ring function and PC receiving have been turned ON in the machine, PC receiving has priority over the Distinctive Ring function, and regardless of the type of ring, FAX reception will be executed by the PC. In this case, even if there is no response to the ring by the PC, the machine will not receive the FAX automatically.

Using the ComRedirector

Introduction

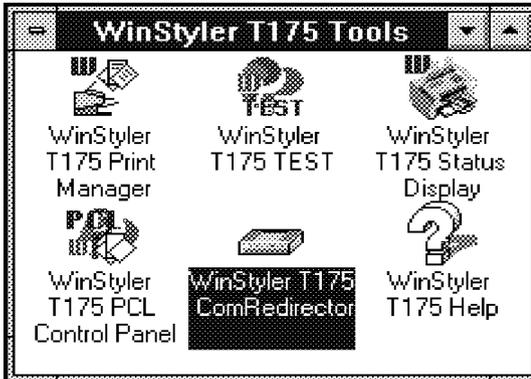
This is a Utility for using this machine's internal Modem from a computer which has ComRedirector installed. When using this machine's PC-Fax function, be sure to carry out the following set up procedure and enable ComRedirector.

Note: Be sure to disable ComRedirector when using a different modem.

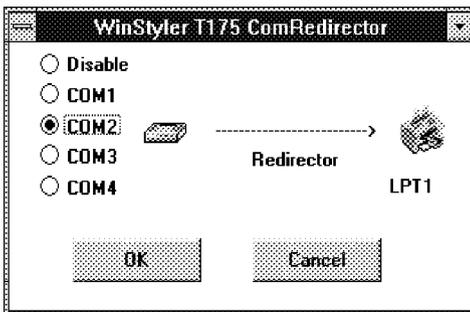
Setting Port (Enable the ComRedirector) in Windows 3.1

Note: For Windows95, this port is automatically set to COM4 when the WinStyler is installed.

- 1 Open the WinStyler T175 Tools window.



- 2 Double-click the Setting Port icon.



- 3 Here, in order to enable ComRedirector, select the number of the Serial port which your Fax application software assigned, then click on [OK].

Note: The radio buttons finger the setting ComRedirector port, but the LPT port automatically gets the current connected port.

Disable the ComRedirector

Select [Disable COMM] in the above Setting Port screen.

COPYING

Introduction

As a stand alone unit, this machine can make up to 99 copies at a time, and can reduce or enlarge the copy size.

Reduction/Enlargement Function: (Fixed Reduction/Enlargement Rate)

- Reduction: 50%, 75%, 85%, 95%
- Enlargement: 125%, 150%, 200%

Number of Copies Function:

Up to 99 copies can be made at one time.

Paper sizes that can be copied.

A4, LT, LG (Can be fed from the Main Paper Tray and Optional Paper Feed Unit.)

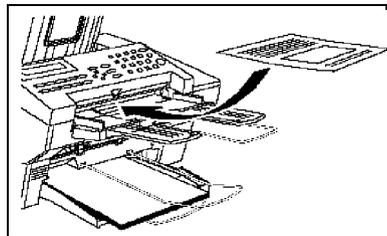
F4 (Can be fed from the Main Paper Tray only.)

Note: If the same size paper is set in all the paper feed units, paper feeding is executed with the following priority order.

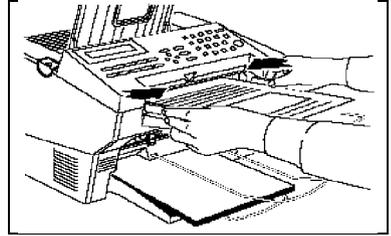
- 1) Optional Paper Feed Unit
- 2) Main Paper Tray

Operation

- 1** Set the document to be copied. Insert the document face up in the feeder and adjust the guides to fit the width of the document.



Note: You can dial before you set the document. Place the document after you dial the number and go to step 7.



- 2** Press the COPY key on the Operation Panel.



- 3** Set the enlargement/reduction rate with the ▲ key/ ▼ key.

- 4** Input the number of copies (up to a maximum of 99 copies) with the numeric keys.
If a mistake is made during setting, press the **Clear** key and input the instructions again.

- 5** Press the **Start** key.

HELP-PRINTING

Introduction

A quick reference guide for the following basic operation procedures is printed out.

- Transmission Procedure (Immediate/Memory)
- Memory Transmission Clear Procedure (FUNCTION21)
- Copy Procedure (Multicopy, Enlargement/Reduction Copy)
- Journal Output Procedure
- Quick Dial Register/Clear/List Output Procedure
- Speed Dial Register/Clear/List Output Procedure
- PC fax Reception Switching Procedure
- Driver Installation Instructions

Operation

- 1** In ready state, press the **[No/Help]** key.



- 2** Press the **START** key.

MAINTENANCE

Please refer to another manual, Operator's Manual: FACSIMILE REFERENCE

TROUBLESHOOTING

PC-PRINTING

PC-Printing is not done even though the Print command was executed.

The following causes are likely. Carry out the remedies specified for each respective cause.

The machine's power is not on.

Turn the machine's power on so that it can function.

The cables are not connected correctly.

Connect the cables correctly.

The machine is warming up, or is performing some other operation.

Wait until the machine is finished warming up or performing the other operation.

The cover is open.

Close the cover completely.

The machine is out of toner. (ADD TONER state)

Replace the toner with a new toner cassette.

The paper is jammed.

Clear the cause of the paper jam.

The machine is out of paper.

Set paper in the machine.

The paper size setting differs from the setting in the machine and the printer driver in the PC.

Set both paper sizes so they match.

There was a paper size error in the machine already.

Set the paper size in the machine and in the printer driver in the PC so that they match the actual paper size.

PC-Printing was suspended.

The following causes are likely. Carry out the remedies specified for each respective cause.

The paper is jammed.

Clear the cause of the paper jam.

Note: In this case, the data to be printed are kept in the Resume Wait State in the PC.

From the application, either resume the printing operation or terminate it.

The cover was opened during printing.

Close the cover completely.

The machine is out of paper.

Set paper in the machine.

The paper size setting in the machine does not match the actual paper size.

Set the paper size to match the actual paper size.

The print density is not as expected.

If the density is set on the machine, it will not be valid, so set it in the printer driver in the PC.

If the TonerSaver function is activated in the printer driver in the PC, check the contents of that setting again.

Blank paper was output.

If no toner cartridge is loaded, load a toner cartridge.

Other

PC printing cannot be stopped using the Stop key on the machine. Stop printing from the printer driver in the PC.

PC-SCANNING

PC scanning does not function.

The following causes are likely. Carry out the remedies specified for each respective cause.

The machine's power is not on.

Turn the machine's power on so that it can function.

The cables are not connected correctly.

Connect the cables correctly.

The machine is warming up, or is performing some other operation.

Wait until the machine is finished warming up or performing the other operation.

The cover is open.

Close the cover completely.

The original is not set.

Set the original correctly.

The telephone number was input at the machine, or the machine is carrying out communications, outputting data or performing some other operation.

Wait until the machine is finished with the other operation, then perform scanning again.

The original was not fed correctly or a jam has occurred.

Clear the paper jam or correct the misfeeding problem.

PC Scanning was suspended.

The following causes are likely. Carry out the remedies specified for each respective cause.

The cover was opened during scanning.

Close the cover completely.

The document is jammed.

Clear the cause of the document jam.

The original is longer than the maximum length, or is shorter than the minimum length.

Use an original that is the proper size and perform scanning again.

The scanning density is not as expected.

If the density is set on the machine, it will not be valid, so set it from the TWAIN driver in the PC.

Other

PC scanning cannot be stopped with the Stop key on the machine. Stop scanning from the TWAIN driver in the PC.

PC-FAXING**PC-FAX cannot be sent.**

If calling from the hand set connected to the machine, or in the on-hook mode from the machine, sending a PC-FAX cannot be done, so send a PC-FAX from the PC.

The PC-FAX cannot be used when the line is busy.

When sending of a PC-FAX is started, there is no operation, but the "NO CARRIER" message is displayed on the PC screen.

The machine is performing some other operation like those below, and is not in a state where a PC-FAX can be sent.

- Sending a FAX.
- Outputting a report.

Wait until these operations are finished, then try sending the FAX again.

ComRedirector has not been started.

Start ComRedirector.

The ComRedirector port setting is strange.

Reset the port to the correct value. (See "Using ComRedirector.")

The machine won't receive a PC-FAX.

The following causes are likely. Carry out the remedies specified for each respective cause.

The machine's power is not on.

Turn the machine's power on so that it can function.

The cables are not connected correctly.

Connect the cables correctly.

The FAX application is not running.

Start the FAX application.

The machine is not set to receive a PC-FAX.

Set the machine in the PC-FAX receiving mode.

Before the PC could receive a FAX, the machine's hand set was raised, the on-hook key was pressed, or the remote answer telephone connected to the machine was activated.

In any of these cases, PC-FAX reception will fail. However, in this case, if the Start key on the machine is pressed, a FAX can be received by the machine. In cases when it is possible to send a FAX again, before the PC receives a FAX, be sure not to raise the hand set or press the on-hook key. Or, set the number of times the remote answer telephone rings at a larger number than the number of rings the FAX application is set for, then receive the PC-FAX.

Other**The speaker volume will not change during use of the PC-FAX even if the volume is set in the FAX application.**

The volume setting in the FAX application is not effective in the machine.

Press function 92 in the machine and reset the volume.

INSTALLING THE WINSTYLER T175

Introduction

WinStyler is a new-generation printer driver with scanning and PC-faxing utilities developed for Windows users. It is a "plug-and-play" solution, which means it requires no special add-in cards, cartridge, or cables. WinStyler uses the power of your PC under Windows to create fast, high quality laser output. As you add memory or move up to a more powerful PC, WinStyler's performance will increase along with your system.

The WinStyler software allows you to select from two different printer modes:

GDI mode provides fast, WYSIWYG output by taking advantage of Windows' native graphics and text features. PCL emulation mode provides compatibility with the popular printer language used in the LaserJet IIP. Both Windows applications and DOS applications running under Windows can use PCL emulation mode for printing.

System Requirements (Windows 95)

Operating system: Windows 95 or greater.

PC: Basically, all the IBM-compatible PCs, which meet with the requirement specified by Microsoft for running Windows 95, can let WinStyler work well. But for the purpose of working smoothly, it is recommended to let WinStyler work on a PC with at least a 486DX33MHz CPU. There is no possibility for WinStyler to run on a 286-based PC and other earlier systems.

I/O: Standard PC parallel printer port and cable.

Memory: At least 8 MB PC memory (RAM), which is also the moderate amount of memory recommended by Microsoft for use with Windows 95. Adding more memory to your PC will increase overall system and printer performance.

Disk space: About 4 MB disk space for files, and up to approximately 12 MB disk space for virtual memory. You can see or modify your Virtual Memory through the SYSTEM icon on the Windows Control Panel.

If you have more than 8 MB RAM, you won't need all 12 MB virtual memory. Total PC RAM plus virtual memory should add up to at least 16 MB.

Allocating Virtual Memory: It is recommended to let Windows 95 automatically handle virtual memory. If not, you shall allocate virtual memory by yourself via SYSTEM icon of Control Panel. WinStyler software requires 16 MB of total memory, divided between your PC memory (a minimum of 8 MB) and your Windows virtual memory. If your system has 8 MB of PC RAM, then you must allocate at least 8 MB of virtual memory. If you have 5 MB of RAM, then you need at least 11 MB of virtual memory, and so on.

To change the virtual memory, follow the instructions below.

The following instructions assume your system has 8 MB of PC RAM.

- 1** Start Windows 95.
- 2** Double-click on the "Control Panel" folder.
- 3** Double-click on the "SYSTEM" icon.
- 4** Click the tab "Performance".
- 5** Click "Virtual Memory". The virtual Memory dialog box will be displayed.
- 6** The item "Let Windows manage my virtual memory setting (recommended)" is the default setting . If you don't want to change it, just simply quit.
- 7** If you select the item "Let me specify my own virtual memory setting", you shall give the minimum setting as well as the maximum setting in the following dialog boxes.
- 8** Click "OK".
- 9** Click "Restart Windows" to make the setting effective.

System Requirements (Windows 3.1)

Operating system: Windows 3.1 or greater in Enhanced Mode, and MS-DOS 3.3 or later.

PC: An IBM-compatible PC with at least a 386SX 16MHz CPU. This includes all 486-based and almost all 386-based PCs. Some older 386s cannot run in Windows Enhanced Mode, which means that WinStyler will not work properly on those systems. WinStyler will not run on 286-based PCs and other earlier systems. If you have Windows installed on your PC, you can verify whether it runs in Enhanced Mode by typing WIN/3 at the MS-DOS prompt. If your PC cannot run Windows in Enhanced Mode, the system will tell you.

I/O: Standard PC parallel printer port and cable.

Memory: At least 4 MB PC memory (RAM), which is also the minimum amount of memory recommended by Microsoft for use with Windows. Adding more memory to your PC will increase overall system and printer performance.

Disk space: About 4 MB disk space for files, and up to approximately 8.5 MB disk space for virtual memory. You can see or modify your Virtual Memory through the 386 Enhanced icon on the Windows Control Panel.

If you have more than 4 MB RAM, you won't need all 8.5 MB virtual memory. Total PC RAM plus virtual memory should add up to at least 12.5 MB.

Allocating Virtual Memory: WinStyler software requires 12.5 MB of total memory, divided between your PC memory (a minimum of 4 MB) and your Windows virtual memory. If your system has 4 MB of PC RAM, then you must allocate at least 8.5 MB of virtual memory. If you have 5 MB of RAM, then you need at least 7.5 MB of virtual memory, and so on.

To change the virtual memory, follow the instructions below. For more information on virtual memory, refer to the Optimizing Windows section in the Microsoft Windows 3.1 User's Guide.

The following instructions assume your system has 4 MB of PC RAM.

1 Double-click on the "Main" icon from the Program Manager screen.

2 Double-click on the "Control Panel" icon.

- 3** Double-click on the "386 Enhanced" icon.
- 4** Click "Virtual Memory". The Virtual Memory dialog box will be displayed.
- 5** If the size shown in the Virtual Memory dialog box is less than 8.5MB, or Type is "temporary" or "none", then click "Change". Otherwise click "Cancel" to exit the dialog box.
- 6** Increase the "New" size in the "New Settings" box to at least 8.5 MB.
- 7** Select the type "Permanent" in the "New Settings" box.
- 8** Click "OK".
- 9** Click "Yes".
- 10** Click "Restart Windows" to make the setting effective.

Restrictions (Both Windows 95 and 3.1):

- 1** Due to the nature of the high-speed interface, the WinStyler printer cannot be shared through a network or switch box.
- 2** WinStyler works with standard parallel cables. Be aware that some manufacturers cut corners by manufacturing cables that do not conform to standard parallel specifications.

Setting Up (Windows 95)

WinStyler includes a software installation program to make setting up easier. The installation program analyzes your system configuration, installs the WinStyler software, and makes the necessary changes to Windows startup files.

Once you have started the WinStyler setup program, you can cancel the installation at any time. Just click on the Cancel button that appears in the setup program window.

To install the WinStyler software:

- 1** Start Microsoft Windows 95.
Windows will start up as usual, after which the Windows 95 main window should be displayed on your screen.
- 2** Place the WinStyler software diskette labeled disk 1/2 into the appropriate disk drive of your computer. Close the drive door or lever if the drive has one.
- 3** Click the START button on the task bar. Then click on the "Run..." option. The Run Program dialog box appears.
- 4** At the prompt, type:
[A:]SETUP

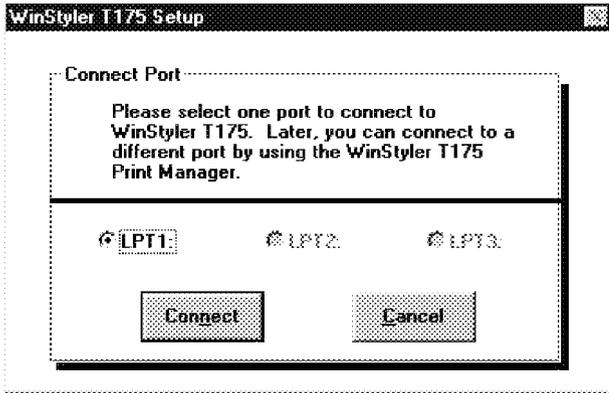
where [A:] is the letter of the drive containing the WinStyler software diskette.



Click the mouse or press any key to continue.

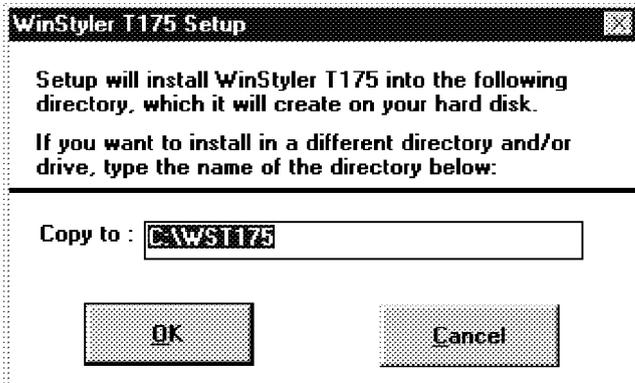
- 5 Tell the setup program which parallel port you wish to use: LPT1, LPT2, or LPT3. The setup program only shows you the port names available on your system. The default is LPT1.

Later, after the installation, you can select a different port by using the WinStyler Print Manager.



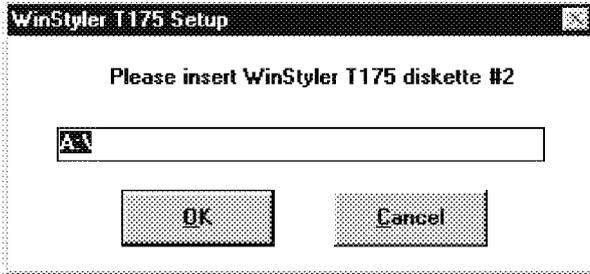
- 6 Tell the setup program which drive and directory you want to install the WinStyler software in. You can accept the default supplied by the setup program, or give it the name of another drive on your PC on which to install the software. You should select a drive with at least the amount of free disk space required for the WinStyler installation.

The setup program will create and set up the directory "C:\WST175" as the default installation directory. You can change the default directory at this time by specifying a different directory.

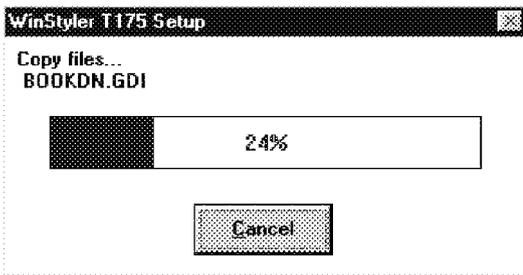


7 Click on the OK button.

The installation program then copies the WinStyler software to the specified directory. It will prompt you to insert additional WinStyler diskettes as needed.



During the installation, WinStyler shows you progress and status messages.



The installation program modifies the Windows initialization files so that WinStyler runs properly when you start Windows.

8 The setup program also creates the WinStyler T175 Tools group. This group contains icons for WinStyler programs, including the WinStyler T175 Print Manager, the WinStyler T175 StatusDisplay, the WinStyler T175 PCL Control Panel, the WinStyler T175 Test, and the ComRedirector (in case of windows 3.1). Once WinStyler is active, you will be able to run these programs by double-clicking on their icons.

The installation program now displays a message telling you that setup is complete. Choose "Restart Windows" to start Windows over again, or "Exit" to quit the setup program.

Note: You will have to restart Windows before WinStyler can start running.

When Windows is restarted, the WinStyler T175 Test Utility will check to make sure all the print modes work correctly. The test utility will print two pages during the test, including a configuration page containing information about your system and printer.

Once WinStyler is installed, WinStyler device names appear in the Printers folder of Control Panel.



Other Setup Methods

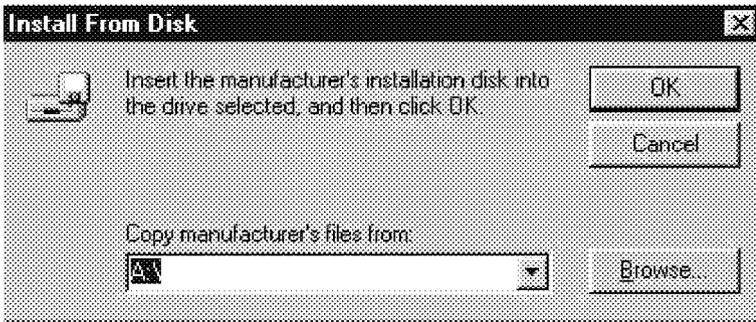
Setup up by Windows 95 Plug & Play function

1 Before Windows 95 starts up, its Plug & Play framework will check if there is any new peripheral in the system. If this is a system in which the machine is the first installed, the Plug & Play framework will pop up a "New Hardware found" message box and then show following dialog box.



2 Select the second item "Driver from disk provided by hardware manufacturer".

3 The following dialog will appear on the screen:



4 Reply to the question "Copy manufacturer's file from" and click the "OK" button to continue.

5 The remaining setup procedure is the same as in the beginning of this section.

Setup by Add Printer function on the Printer Folder

Follow the procedures to setup the driver using the "Add Printer" function in the "Printers" folder.

1 Launch the "Printers" folder.

2 Double-click the "Add Printer" icon.

3 Click the "Next>" button to continue.

4 Select "Local Printer" and click "Next>".

5 Click "Have Disk...".

6 The remaining setup procedure is the same as in the beginning of this section.

Setting Up (Windows 3.1)

WinStyler includes a software installation program to make setting up easier. The installation program analyzes your system configuration, installs the WinStyler software, and makes the necessary changes to Windows startup files.

Once you have started the WinStyler setup program, you can cancel the installation at any time. Just click on the Cancel button that appears in the setup program window.

To install the WinStyler software:

1 Place the WinStyler software diskette labeled disk 1 into the appropriate disk drive of your computer. Close the drive door or lever if the drive has one.

2 Start Microsoft Windows. At the DOS prompt, type:

WIN

Windows will start up as usual, after which the Program Manager group window should be displayed on your screen. If the Program Manager group appears as an icon, restore it by double-clicking on the icon.

3 From the Program Manager menu, click on File. Then click on the Run... option. The Run Program dialog box appears.

4 At the prompt, type:

[A:]SETUP

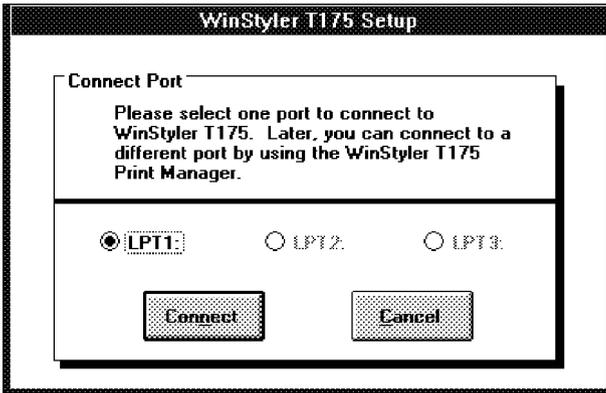
where [A:] is the letter of the drive containing the WinStyler software diskette.



Click the mouse or press any key to continue.

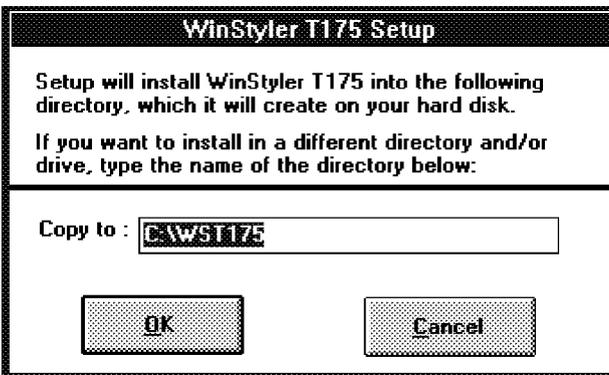
- 5 Tell the setup program which parallel port you wish to use: LPT1, LPT2, or LPT3. The setup program only shows you the port names available on your system. The default is LPT1.

Later, after the installation, you can select a different port by using the WinStyler Print Manager.



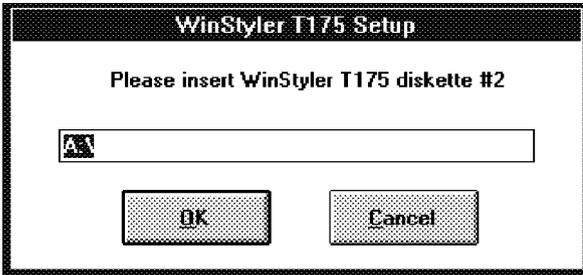
- 6 Tell the setup program which drive and directory you want to install the WinStyler software in. You can accept the default supplied by the setup program, or give it the name of another drive on your PC on which to install the software. You should select a drive with at least the amount of free disk space required for the WinStyler installation.

The setup program will create and set up the directory "C:\WST175" as the default installation directory. You can change the default directory at this time by specifying a different directory.

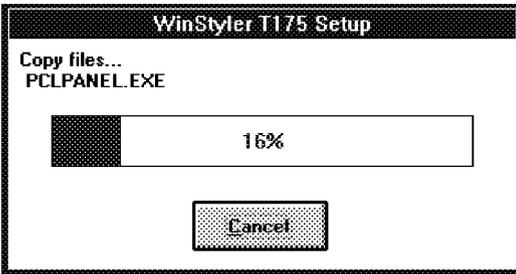


7 Click on the OK button.

The installation program then copies the WinStyler software to the specified directory. It will prompt you to insert additional WinStyler diskettes as needed.



During the installation, WinStyler shows you progress and status messages.



The installation program modifies the Windows initialization files so that WinStyler runs properly when you start Windows.

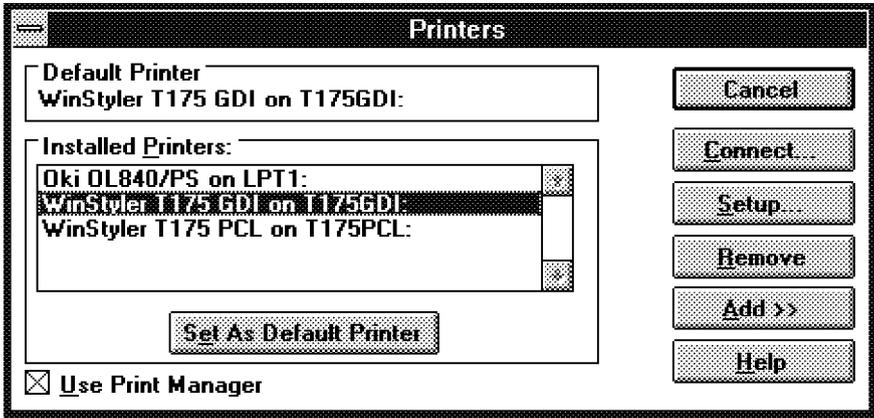
8 The setup program also creates the WinStyler T175 Tools group. This group contains icons for WinStyler programs, including the WinStyler T175 Print Manager, the WinStyler T175 Status Display, the WinStyler T175 PCL Control Panel, the WinStyler T175 Test, and the ComRedirector. Once WinStyler is active, you will be able to run these programs by double-clicking on their icons.

The installation program now displays a message telling you that setup is complete. Choose Restart Windows to start Windows over again, or Exit to quit the setup program. (Note: you will have to restart Windows before WinStyler can start running.)

When Windows is restarted, the WinStyler T175 Test Utility will check to make sure all the print modes work correctly. The test utility will print two pages during the test, including a configuration page containing information about your system and printer.

Note: At this time, the paper size must be set on A4 or LT size.

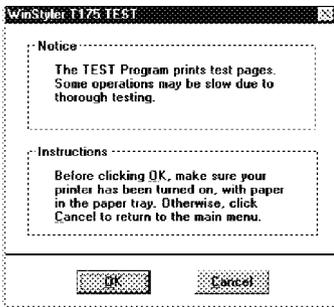
Once WinStyler is installed, WinStyler device names appear in the Printers window of your Control Panel.



WinStyler T175 Test program

You can test the connection between the PC and printer, and view additional information about your WinStyler configuration, by running the WinStyler T175 Test utility. This utility also runs automatically after installation, the first time you restart Windows.

- 1** From the Program Manager, find the WinStyler T175 Tools group. If WinStyler T175 Tools has been minimized, restore it by double-clicking on its icon.
- 2** Double-click on the icon labeled WinStyler T175 TEST.
- 3** The following notice will appear:

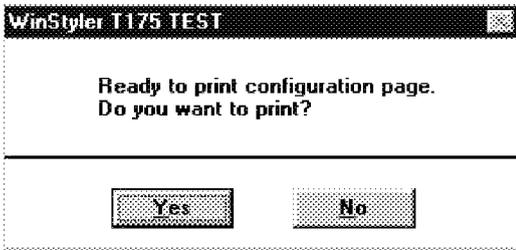


Note that this program performs some time-consuming test operations. Before continuing, make sure the printer is ready. The power switch should be turned on. Press OK to continue with the print tests, Cancel to exit to the program's main menu.

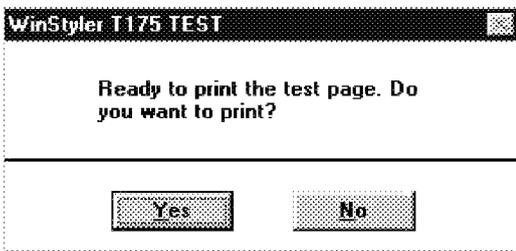
- 4** Before printing starts, you will see the following message as WinStyler sets up the tests.



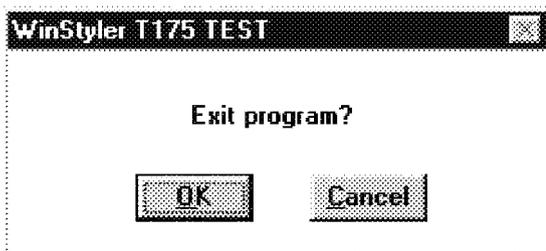
- 5** The Test Utility first prints a configuration page that shows information about your PC and printer. Save a copy of the most recent configuration page. You may find it useful if you ever need to call Customer Support.



- 6** WinStyler will now ask to print test pages in GDI mode. Click on Yes to continue, No to bypass the current test.



- 7** After printing all test pages, the Test Utility will ask if you want to exit. Click OK to quit the program. The WinStyler T175 Print Manager will continue to process your test pages until all of them have printed.



Clicking Cancel instead of OK will return you to the Test Utility's main screen. The File pull-down menu gives you the choice of repeating the test sequence or exiting the program.

Removing the WinStyler software

If you need to remove the WinStyler software, run the WinStyler DELETE program. You need to run this program from Microsoft Windows.

- 1** From the Program Manager menu, click on File.
- 2** Click on the "Run..." option.

The Run Program dialog box appears.

- 3** At the prompt, type

```
C:\WST175\DELETE.EXE
```

Where C: is the letter of the drive, and WST175 is the directory containing the WinStyler software.

- 4** Then click OK or press Enter.

WinStyler will ask you to confirm that you want to remove the software before any files are deleted.

- 5** Click on "Yes" or press "Y".

Optimizing Printer Performance

Upgrading to a more powerful CPU will of course improve performance, but this is not practical for everyone. Here are some other suggestions.

Add more memory (Windows 95)

WinStyler requires a minimum of 8MB memory on your PC, the moderate amount Microsoft recommends for Windows 95. However, adding more PC memory gives WinStyler additional "breathing room." The additional memory reduces the overhead of having to manage limited space, and also allows more resources to run other Windows applications while you print.

Add more memory (Windows 3.1)

WinStyler requires a minimum of 4MB memory on your PC, the same amount Microsoft recommends for Windows 3.1. However, adding more PC memory gives WinStyler additional "breathing room." The additional memory reduces the overhead of having to manage limited space, and also allows more resources to run other Windows applications while you print.

Close unneeded applications

This will free up memory and improve WinStyler's performance.

Use GDI wherever possible

When Windows applications print to conventional printers, they translate their output description into a printer language, which the appropriate printer driver interprets to create a picture of the output. GDI mode saves time by skipping the translation and interpretation steps. The result is faster printing. Although the quality of GDI output varies by application, GDI mode works especially well for text output and most graphics. Try GDI with your documents to see if it meets your requirements.

Change the print priority

The WinStyler T175 Print Manager lets you select Low, Medium, or High Priority printing. If you want faster printing, set the priority to High. If you want to maximum use of other applications, and don't mind waiting longer for output, set the priority to Low.

Don't use the WinStyler T175 Print Manager when printing in GDI mode.

For fastest possible printing, you can shut off the WinStyler T175 Print Manager altogether for GDI mode. Go to the GDI Setup Options Screen and make sure the box titled Use WinStyler T175 Print Manager is blank.

Note: Turning off the WinStyler T175 Print Manager disables some features of the WinStyler T175 printer, such as manual duplex printing. Also, the WinStyler T175 Print manager is still required for PCL mode.

Disable automatic display of Print Status.

You can also save some system resources if you turn off Display Status While Printing. When this feature is turned on, the Print Status icon pops up whenever you print. Turning off this feature means you only see the Print Status screen if an error warning occurs.

INDEX

A

Add	45
Add a document	42
Animate Icon	38
ASCII	11, 12

B

Brightness	24, 33
------------	--------

C

Connect port	40
Contrast	24, 33
Copies	16, 37, 60
Copy	3
Cover Page	18, 29

D

Default font	37
Delete document	43
Density	40, 65, 67
DOS application	11
Draw frame border	16, 32

E

Edge Enhancement Technology	39
Enlargement	60

F

Fax transmission	55
Fax transmissions	55
File	11, 12, 19, 23, 30, 31, 38, 42
Form Feed	35
Format	44, 45

G

GDI mode	15, 16, 17, 18, 19, 20, 21, 22, 23, 24
GDI Print	25, 26, 27, 28, 29, 30, 31, 32, 33, 47, 48

H

Help-Print	3
------------	---

I

Image	23, 33
-------	--------

M

Manual Duplexing	21, 27
Margins	37

O

Options	38, 44, 45, 46
Orientation	16, 26, 36
Overlay	17, 18, 19, 28, 29, 30

P

Paper Media	17, 26
Paper Size	8, 17, 26, 36, 60
Paper Source	17, 27, 36
Pause	40, 42, 44
PC-Fax	1, 3
PC-Fax Reception Mode	57
PC-Printer	1, 2
PC-Scanner	1, 2
PCL Emulation Mode	9
Plug & Play	76
Port	40, 59
Power Saving Mode	40
Print Job	39
Print Quality	26
Print To File	23, 31
Printer Error	39
Priority	44, 85
Progress Bar	46

Q

Queue Information	45
-------------------	----

R

Reduction	60
Resolution	23

INDEX

S

Scale	16, 31
Show Me	40
Size	44, 45
Status bar	46

T

Test Print	7
Test program	82, 83
Time	45
Tonrsavr Mode	39
Toolbar Title	38, 44
Top Page	21, 27
Trailer Page	18, 29
TWAIN	2, 53, 54
12/24 hour format	44
2 up/4 up	8

U

Use Print Manager	18, 27
-------------------	--------

V

Virtual memory	70, 71
----------------	--------

