TIFF converter software for Internet FAX

(Version supporting MAPI mailer linking function)

user's guide

- Windows NT 4.0 English version -

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1. What TIFF converter for Internet FAX can do

The TIFF converter for Internet FAX allows the Internet FAX connected through a LAN to print like a remote printer from the personal computer, and converts the document into the format that allows the Internet FAX to receive and print as a mail. The converter also allows the document to be registered (called "TIFF file creation" function) as a file.

When Internet FAX receives and prints the file as a mail, the system uses the Simple Mail Transfer Protocol (referred to hereafter as SMTP), which is the same as the mail protocol used on the Internet. The copy data to be received and printed is handled as an attached document, or "attachment" to the mail.

Internet FAX uses extension software called the Multipurpose Internet Mail Extensions (refered to hereafter as MIME) when adding data as an attached document.

Therefore, to send a file as an attached document to the Internet FAX after "TIFF file creation," sending mail requires using the mailer provided with the MIME function.

The data registered under "TIFF file creation" is compressed using the Modified Huffman (referred to hereafter as "MH") method used for FAX communication. This data, added with the facsimile information and other information on the copy, is converted into the Tagged Image File Format or "TIFF".

The version of TIFF converter that supports the MAPI mailer linking function allows a series of useful operations. These include creating a TIFF file for activating a mail client, opening the screen to send mail, and assigning the created TIFF file as an attached document. This last operation is automated when the software is set to link with a MAPI-supported mail client.

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2. MAPI (Messaging API)

MAPI (Microsoft Messaging Application Programming Interface) is the common interface for sending and receiving mail with a Windows application. The interface is actually a group of functions attached to Win32 that are used to create, transmit, receive, and save mail. Using the MAPI common interface allows you to develop applications to send and receive mail without having to rely on a particular mail reading program. If you wish to send data created with a Windows application with e-mail, using MAPI also allows you to send the e-mail attachment document directly from the Windows application without having to activate another mail client.

The mail clients supporting MAPI include not only Microsoft products, such as Microsoft Exchange, Microsoft Outlook, and Outlook Express, but also Netscape Navigator and EudoraPro.

How to configure each client's mail settings to support MAPI is briefly explained. For details, refer to the user's manual for each mail client.
Microsoft Exchange and Microsoft Outlook are registered as MAPI clients when installed.
For Outlook Express, select "Option" from the "Tool" menu and check both "Use Outlook Express as a standard mail client" and "Use Outlook Express as a simplified MAPI client" on the screen of "General" tab.
For Netscape Navigator, select "Set" from the "Edit" menu, select "mail server" from "Set mail and group," and check "Use Netscape Navigator for application based on MAPI".
For Eudora, select "Option" from the "Tool" menu and select "Always" for "Use of MAPI server" on the "MAPI" screen. Also, to send mail to Internet FAX from Eudora, select "Option" from the "Tool" menu, and choose "MIME (Base 64) in "Conversion system for transmit" on the "Attach" screen.

3. TIFF converter operating environment for Internet FAX

This manual describes the TIFF converter for Internet FAX when used with "Microsoft Windows NT 4.0 version."

System requirements:

- Personal computer with CPU: i486SX(25MHz) or higher (Pentium or higher is recommended)

- Microsoft Windows NT 4.0 version

- Memory: 16 MB or more

- Disk capacity: 4 MB or more

- WWW browser for downloading TIFF converter software online.

- E-mail reader with MIME function for sending mail to Internet FAX using the TIFF file creation function.

4. Installation of TIFF converter for Internet FAX

Installing the TIFF converter for Internet FAX requires that the destination PC and the Internet FAX be LAN-connected.
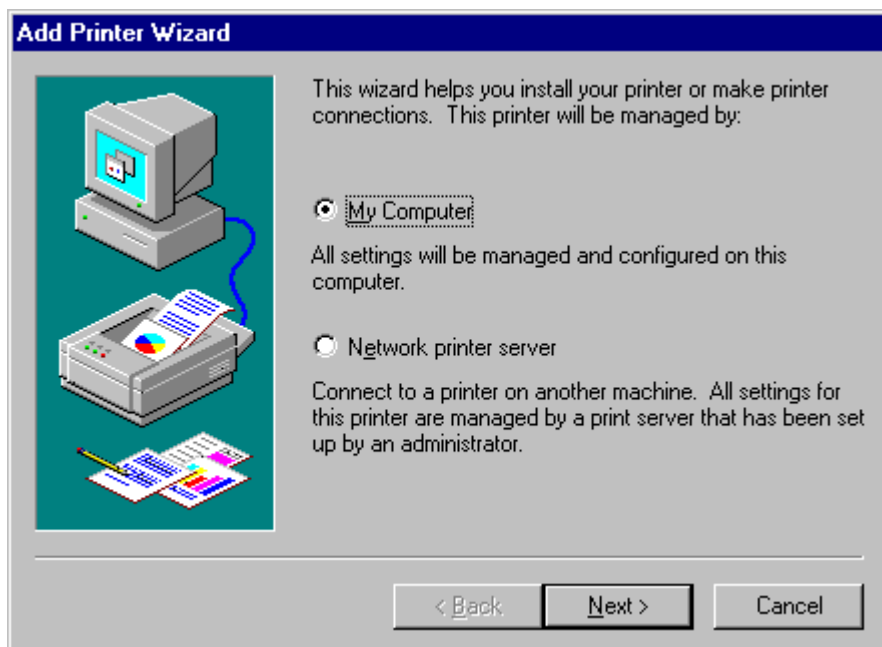In the installation, the system FD or CD for Windows NT 4.0 (not required for the personal computer with Windows NT 4.0 pre-installed) will be required. Check them and keep them at hand.

1. The file tfntxxx.exe is downloaded as a self-extracting archive type file in zip format. Double-click on it, and it is extracted.
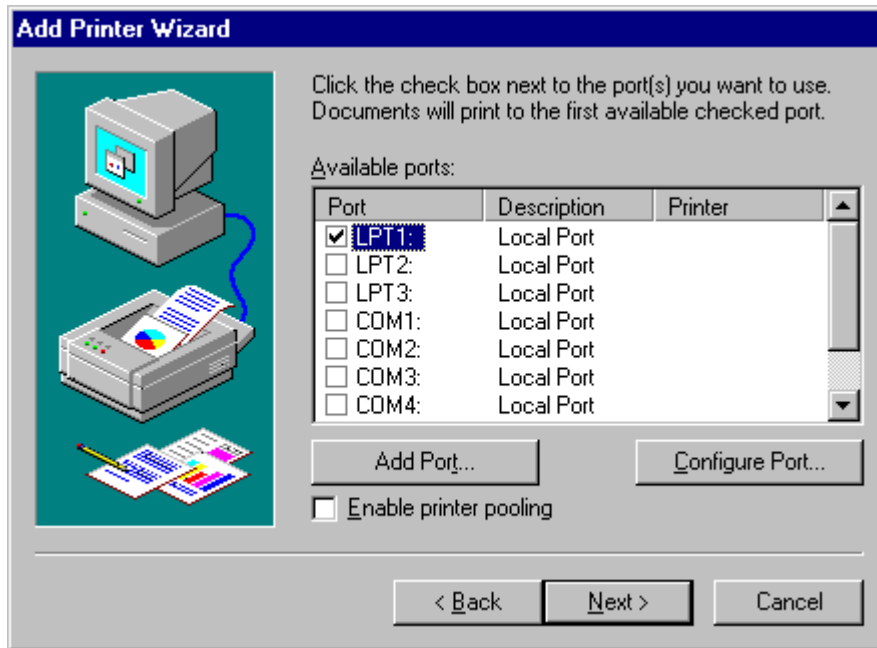
2. Install the TIFF converter. Click on the "Start" button, point to "Settings" and click on "Printers" to display the "Printers" window.
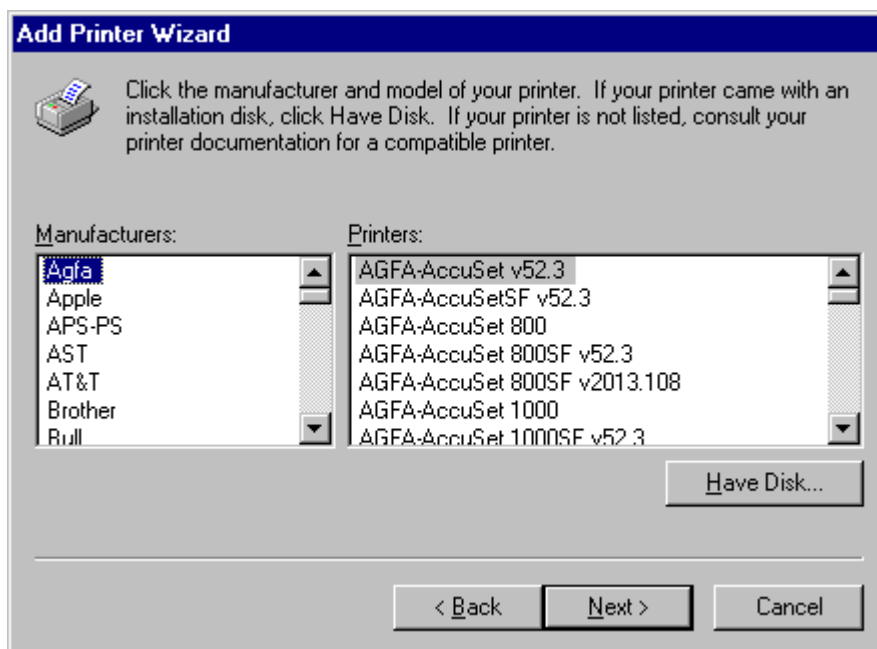

3. Double-click on the "Add Printer" icon in the "Printer" window. "Add Printer Wizard" is displayed. Select "My Computer" as the printer manager host then click "Next>" button.
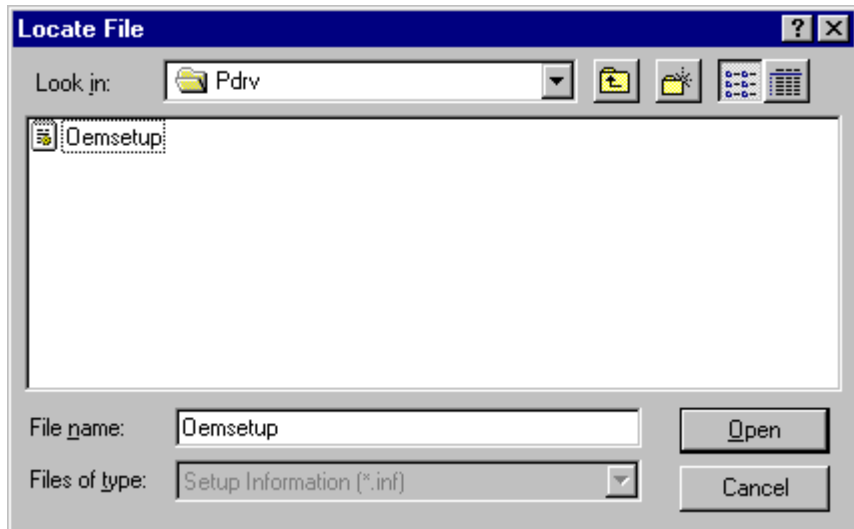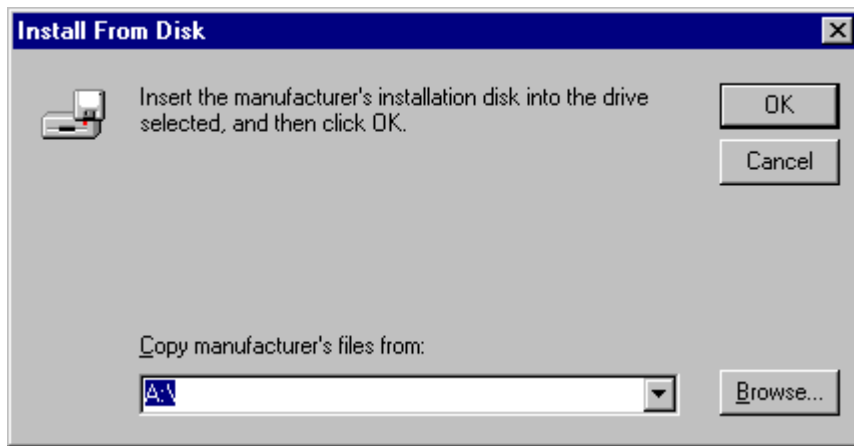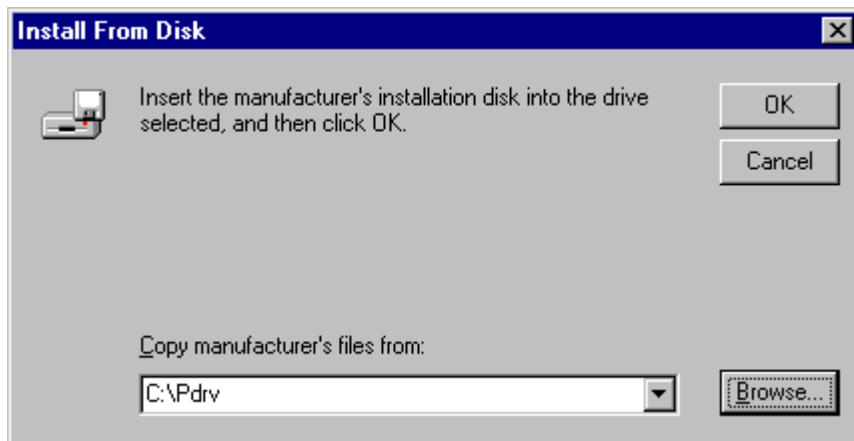
4. Select "LPT1:" and click "Next>" button.

5. Though the tables of "Manufacturers:" and "Printers:" are displayed, click on the "Have disk..." button.
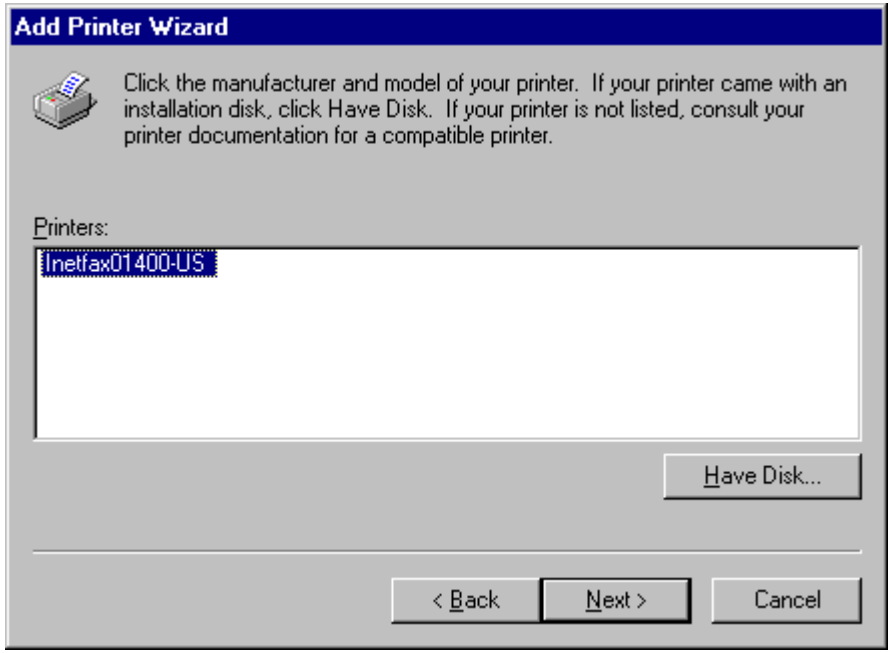

6. The "Install From Disk" dialog box is displayed. Either click on the "Browse..." button or directly type in the folder filename where the extracted software has been saved. The folder filename can be entered in the "Copy manufacture's files from:" field.
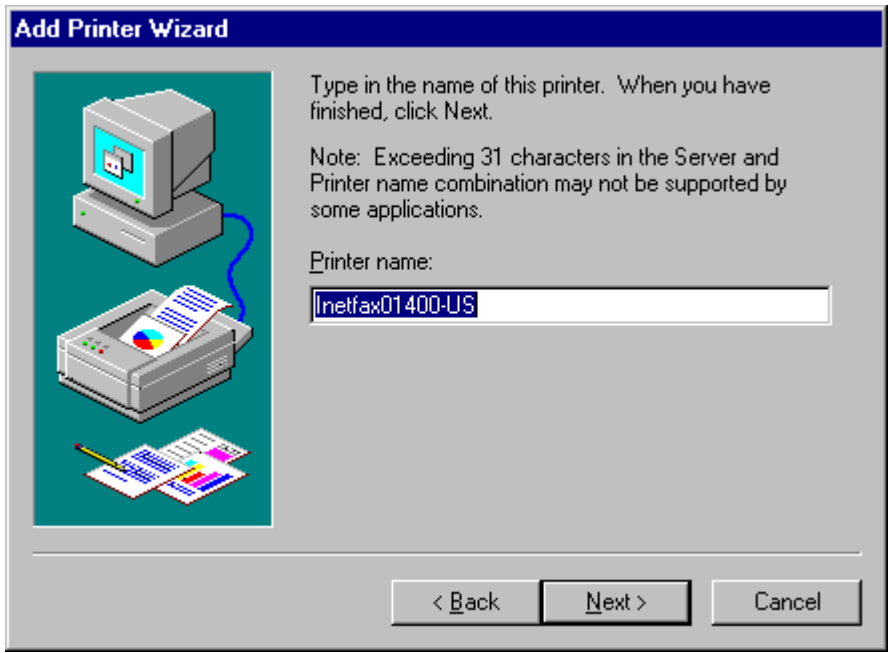
Install From Disk

Insert the manufacturer's installation disk into the drive selected, and then click OK.

OK

Cancel

Copy manufacturer's files from:

A:\

Browse...

Locate File

Look in: Pdrv

Oemsetup

File name: Oemsetup

Files of type: Setup Information (*.inf)

Open

Cancel

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7. After you have specified the folder in the "Copy manufacture's files from:" field, click on the "OK" button.

Install From Disk

Insert the manufacturer's installation disk into the drive selected, and then click OK.

OK

Cancel

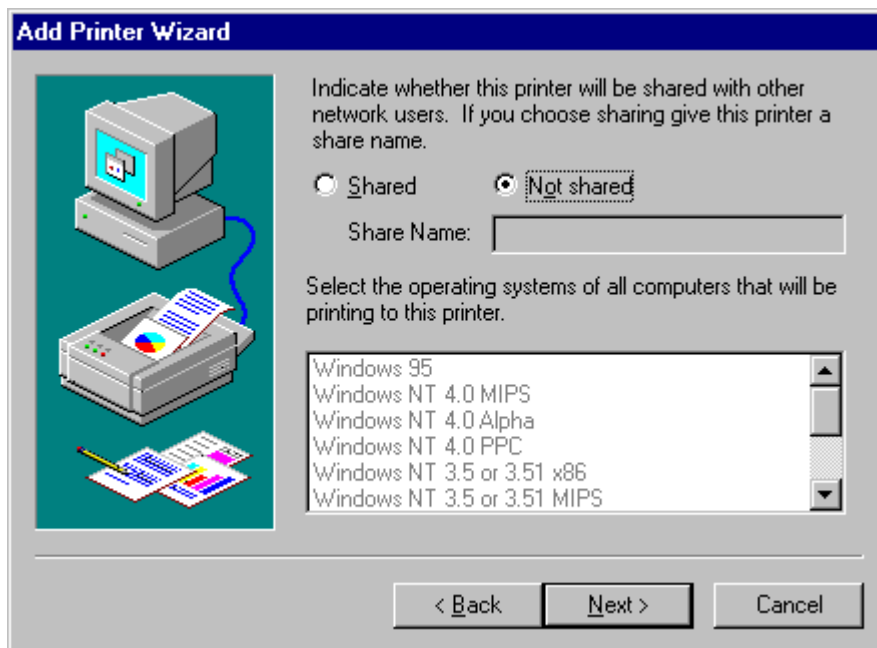Copy manufacturer's files from:

C:\Pdrv

Browse...

8. Return to "Add Printer Wizard". Select "Inetfax01400-US" and click on the "Next>" button.

9. "Type in the name of the this printer." dialog box is displayed, change the printer name if needed, then click "Next>" button.
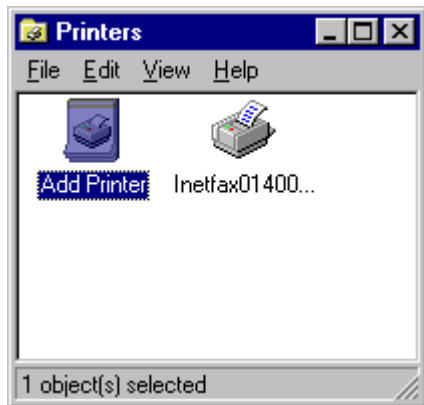

10. "Indicate whether this printer will be shared with other network users." dialog box is displayed, choose "Not Shared", then click "Next>" button.

11. "Would you like to print a test page?" dialog box is displayed, select "Yes" or "No", then click "Finish" button.

12. When the entire coping of files completed, "Inetfax01400-US" icon appears in the "Printers" window.

Now, the install is completed.
Restart the computer after installation is completed.

Note: In case some error message as "Installation Error" shows when installation is completed,follow the instruction below.

- Delete the TIFF converter installed.

- After restarting the computer, Kindly re-install the printer driver.

13. Next, install the mail linking program. The file mpn4exxx.exe is downloaded as a self-extracting archive type file in lzh format. Double-click on it in the Explorer, and it is automatically extracted and installation starts. Follow the instructions displayed on the screen. For details, refer to "How to install" in the "User's guide for ifax printer driver mail linking program".

The next line shows how to unregister the printer.
Open the "Printers" window, and right mouse click on the printer icon to unregister, then click "Delete" button.
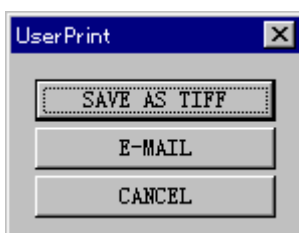
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5. How to use TIFF converter for Internet FAX

When installation of the TIFF converter for Internet FAX is completed, "Save as TIFF" function is ready to use in the same way as a normal printer is used.
Generally, select "Print" from the "File" menu to print.
(For details, refer to the manual for each software.)
When "Print" is selected, the dialog box to prompt selection of "Save as TIFF," "E-MAIL," or "Cancel" is displayed. (Some applications may hide the dialog box.)

Select **"Save as TIFF"** when you send the file as a mail to the Internet FAX later.

When "Save as TIFF" is selected, the "Create file" dialog box will be displayed to prompt selection of the folder in which the converted TIFF file is to be saved.

- ● Specify the location with "Drive" and "Folder".

- ● Enter the file name to be created into "Filename" field. (Do not change the extension "tif".)

- ● Do not change "Type of File" field.

Select **"E-MAIL"** to immediately launch the mail client for MAPI and send the file to the Internet FAX as mail. When "E-MAIL" is selected, the mail linking function starts to work, the TIFF file is automatically saved, the transmission screen of the mail client is opened, and the TIFF file saved as an attached document is set. Then, simply enter the mail address of the Internet FAX to be sent to and press the transmit button to send the mail to the Internet FAX.
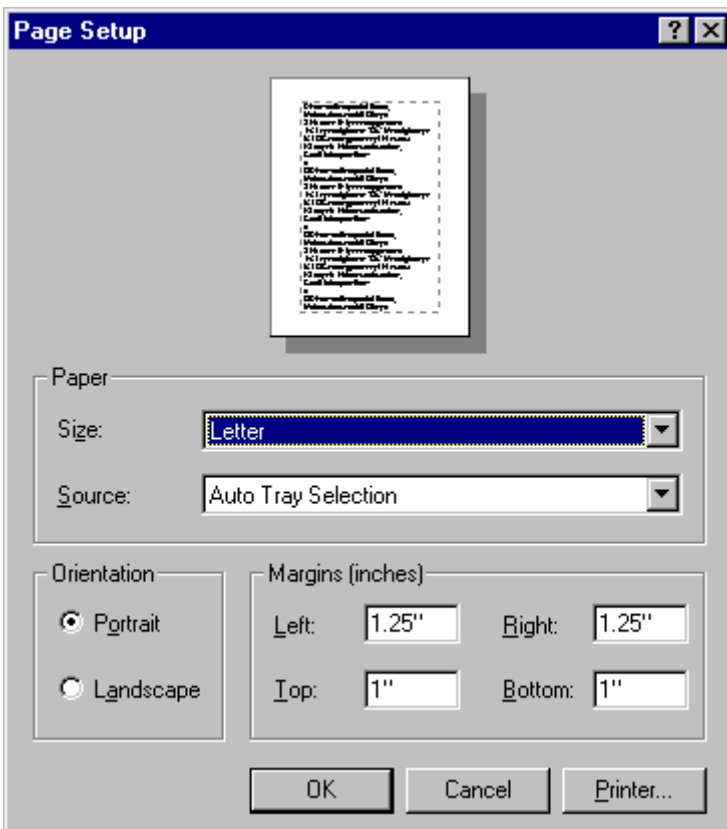Select **"Cancel"** to cancel print.

Where the file is printed on Letter size paper, a resolution of 400 dpi can be selected, in addition to standard 200 dpi, for print.
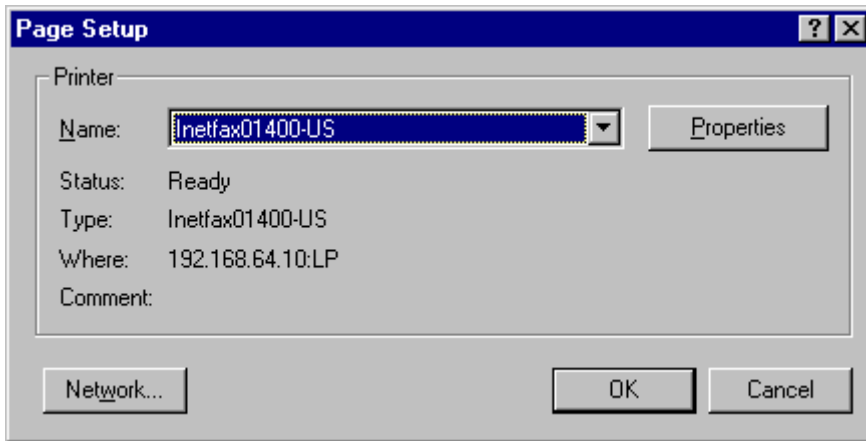
Generally speaking, higher resolution will improve print quality but takes more print time.

To select 400 dpi resolution, select "Page setup" form the "File" menu to bring the "Page setup" dialog box on screen. Some applications do not provide the selection menu for "Page setup".
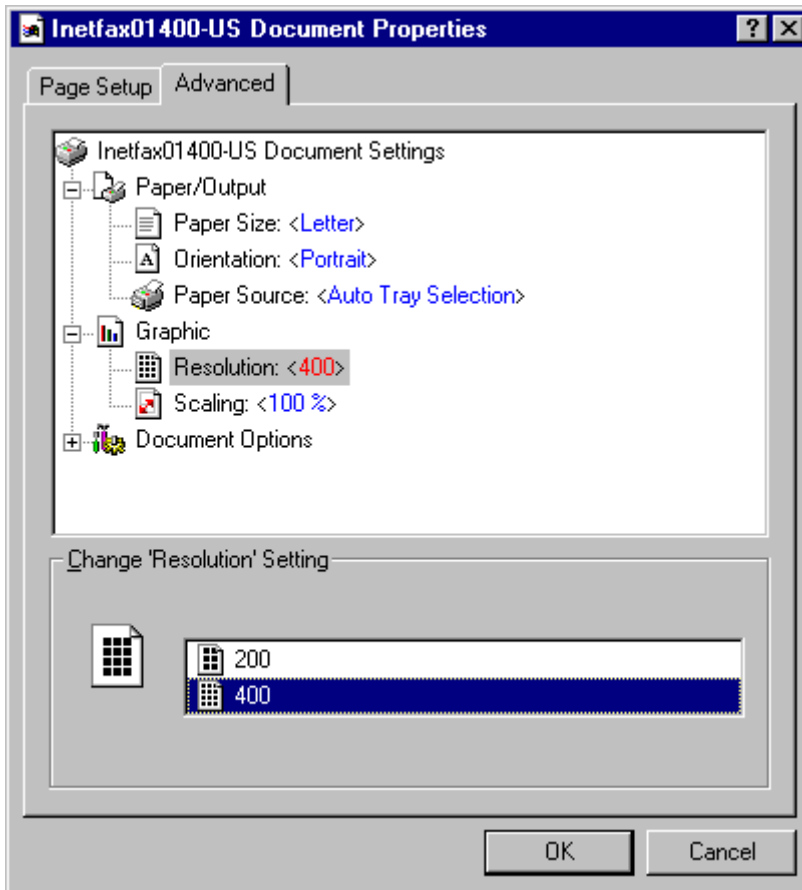
For the application that allows the "Print" dialog box to be displayed by selection of the "Print" menu, click on the "Properties" button for the printer to display the "Inetfax01400-US Document Properties" dialog box.

Click on the "Printer..." button, and the contents of the printer will be displayed. Click on the "Properties" button.

Page Setup

Printer

Name: Inetfax01400-US   Properties

Status: Ready
Type: Inetfax01400-US
Where: 192.168.64.10:LP
Comment:

Network...   OK   Cancel

When the "Inetfax01400-US Document Properties" dialog box is displayed, click on the "Advanced" tab, select "Resolution:" to display "Change 'Resolution' Settings", then select "400" and click on the "OK" button..

Inetfax01400-US Document Properties

Page Setup | Advanced

Inetfax01400-US Document Settings
- Paper/Output
  - Paper Size: <Letter>
  - Orientation: <Portrait>
  - Paper Source: <Auto Tray Selection>
- Graphic
  - Resolution: <400>
  - Scaling: <100 %>
- Document Options

Change 'Resolution' Setting

200
400

OK   Cancel

Then, click on "OK" and "OK" to close each dialog box and return to the application program. Setting 400 dpi is now completed.