

Point sizes Fontware can generate fonts from 2 to 144 points. However, PageMaker and the HPPCL version 3.0 printer driver can only use full point sizes from 4 to 127 points. The HP LaserJet Series II can print this entire range of point sizes. Check your printer manual to find out what point sizes your printer can print. For example, the HP LaserJet Plus cannot print point sizes greater than 30 points while a few HP LaserJet Plus compatibles can.

Note: The original HP LaserJet does not have enough memory for downloadable fonts and cannot be used with Fontware. Fontware's PCL fonts are designed to be used with PCL printers with at least 1MB of memory.

**HPPCL driver's Soft
Font Installer**

Version 3.0 of the HPPCL printer driver has a Soft Font Installer (SFI) built into it. You can use the SFI to manage your Fontware PCL printer fonts, but you cannot use the SFI exclusively. You must initially use the Fontware program to make and install Fontware's printer and screen fonts. Once you have made printer fonts with Fontware, you can use the SFI to deinstall the printer fonts. If you need these fonts later, you can use the SFI to reinstall them.

**Permanent versus
temporary fonts**

Fonts can be designated as either permanent or temporary. You (or your AUTOEXEC.BAT file) must download permanent fonts to the printer, where they remain until you either turn off or reset the printer. On the other hand, the printer driver handles temporary fonts for you and automatically downloads them when they are needed. Fontware installs the fonts it creates as temporarily downloadable fonts.

Temporary fonts. The printer driver not only downloads temporary fonts as needed, but flushes them from the printer's memory at the end of each publication. Because the printer driver handles the fonts for you, you don't need to keep track of which fonts are currently in the printer and which fonts need to be sent before you print your next publication.

Permanent fonts. You send permanent fonts to the printer with a font downloader. The SFI can modify your AUTOEXEC.BAT file so it automatically downloads the permanent fonts each time you start your PC. Permanent fonts require management; you must know which fonts your publications use and download them accordingly. If you always use the same fonts, setting up your fonts as permanently downloadable may be a good choice for you.

Changing a font's status. The SFI can change the status of a font from temporary to permanent or vice versa. As mentioned above, it can also modify your AUTOEXEC.BAT file to download the fonts automatically each time you start your PC.

**Aldus Technical Support
C. Gregory**

What is Fontware? Fontware for PageMaker is a program that generates PCL fonts for your Hewlett-Packard (HP) LaserJet Series II printer (or compatible) and installs them for use with Windows applications such as PageMaker. Through Fontware menu selections, you select your desired typeface, character set, and point sizes, and then let Fontware generate the fonts.

The Fontware Installation Kit includes the Fontware program files and the data files used for generating the fonts. During installation Fontware creates directories and subdirectories on your hard disk for these files and your future fonts. It then places all the files in their appropriate directories.

Fontware generates both printer and/or screen fonts in the typefaces and point sizes you select. It creates three file types:

- Printer fonts with the extension .HPF
- Printer font metric files with the extension .PFM (these are used by the HPPCL printer driver)
- Screen fonts and dot-matrix printer fonts with the extension .FON

Fontware places the new fonts in the directory you have chosen with the Fontware Control Panel. To make these printer and/or screen fonts available to Windows applications, Fontware updates the WIN.INI file with the new font information.

Typefaces Fontware for PageMaker, version 2.03, includes four typefaces: Courier 10, Dutch, Swiss, and Symbol A Proportional Serif. You can create Courier 10, Dutch, and Swiss with a choice of three character sets: Windows ANSI, ASCII, or HP Roman 8. You can choose 6 different character sets for the Symbol A Proportional Serif typeface: HP PCLine, HP LineDraw, HP Pi, HP Math 8, HP Math 8a, and HP Math 8b.

The batch file SYMBOL.BAT converts the Symbol A Proportional Serif typeface into 6 different symbol typefaces. Each new typeface has a unique name matching one of the character sets. You can then create six different types of symbol fonts, each using the matching character set. (For more information on this batch file, see the "Supplement to Fontware for PageMaker," included in your PageMaker package.)

Screen fonts Fontware can generate screen versions of your fonts that match your printer fonts. Fontware references these screen font files under the [fonts] heading in the WIN.INI file. Although the screen fonts provide a closer match between your screen display and the printed output, they are not required. Windows includes generic Windows ANSI screen fonts which you may find adequate to represent Fontware's Courier 10, Dutch, and Swiss typefaces.