



Font Solutions

Artifex offers the most complete font solution available from any PDL vendor for commercial quality fonts and font scaler software. Pricing for our fonts and scaler technologies is very competitive and may be combined with our interpreter pricing.

Font scalers

Ghostscript's PostScript and PCL interpreters feature commercial quality font scaling technology with our own Type 1 hinted rasterizer, a non-hinted TrueType rasterizer, and a non-hinted Intellifont rasterizer (for compatibility with older PCL files that download Intellifont data). Also we provide an interface for communication with 3d party font scalers, such as Agfa's UFST (Universal Font Scaling Technology) which may be licensed directly from vendors. These font rasterizers allow users to view and print fonts embedded in documents and downloaded fonts beyond resident font sets.

PostScript fonts

Level 1 and 2 PostScript-generating applications and drivers traditionally rely on the presence of a set of 35 fonts in the RIP, with a particular set of symbols available in these fonts. We offer a high quality set of type faces whose appearance closely matches that of the Adobe base 35 fonts, with the full set of traditional Adobe symbols and with compatible metrics. While PostScript LanguageLevel 3 does not specify a particular set of fonts, applications typically rely on those present in Adobe printers, which consist of the traditional base 35 with additional symbols plus an additional 101 fonts. Our base 35 PS fonts support the extended PSL3 symbol set. If additional resident fonts are required, Agfa offers the full 136 PSL3 font set.

PCL fonts

Older HP printers including HP's LaserJet 4si have a compliment of 45 base fonts. The LaserJet 4500 and 4600 series printers offer the base 45 plus the base 35 PostScript fonts for a total of 80 fonts. We offer a high quality font solution compatible with 79 of the 80 font set found in the HP LaserJet 4500 and 4600 (the missing font is the patented "Wingding" font available from AGFA/Monotype). Agfa's font solution may be substituted our internal solution.

Asian fonts

Ghostscript's PDF, PostScript and PCL interpreters can handle Chinese, Japanese and Korean CID fonts, which may be licensed from 3rd parties. Ghostscript is compatible with several font downloaders, and has been tested with the DynaFont installer and the Ryobi installer. Ghostscript works with Asian fonts in a variety of formats, such as:

- CIDFont format (the most popular today) including those embedded in PDF or PostScript
- Older Type 0 PostScript fonts
- TrueType format (used with the PCL interpreter)
- Ghostscript can load the Adobe CSL (not provided).
- Any of the above Asian fonts embedded in PostScript or PDF documents.

Ghostscript can use its AGFA UFST interface to produce hinted Asian fonts (UFST is available under separate license).

FontFocus

FontFocus is a new patent-pending technology from Artifex. FontFocus, for the first time, renders text both with uncompromising fidelity, and with contrast improvements as good as the best of the font hinting techniques. [Please see our whitepaper for a more complete description of FontFocus.](#)

Advantages of FontFocus:

- No hints need be stored with glyph outline data, saving space for fonts
- Extremely consistent and even typographic "color"
- Fewer gray pixels means less dependence on monitor gamma and viewing angle, and less color shift toward blue on LCD's
- Rendering is consistent across all font sizes

Advantages of FontFocus over RGB subpixel rendering:

- No color fringing
- Need not be tuned for a specific display
- Works on colored text and backgrounds as well as black and white
- Works equally well when rotated 90 degrees
- Effective on both LCD and CRT technologies
- Works even when resolution is resampled