



# The Most Complete PDL Interpreter Solution Available

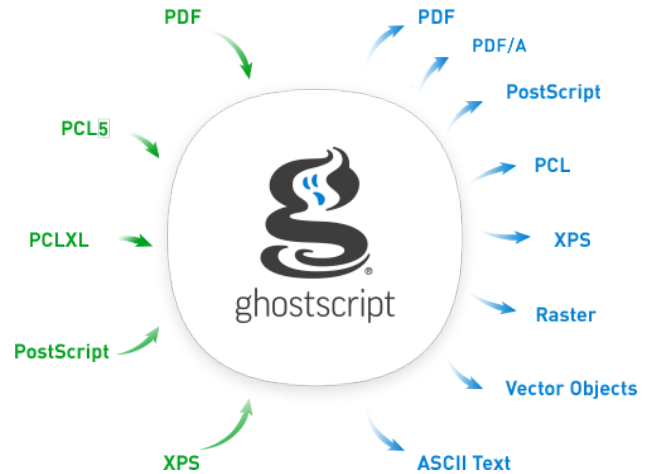
*Ghostscript is widely recognized as the premier independent implementation of all the leading page description languages (PDF, PostScript, PCL, and XPS).*

## Most Comprehensive Set of PDL Interpreters

**Conversion Leader** – When it comes to conversion capabilities, Ghostscript provides the broadest and most complete set of language conversions in today’s market.

**Complete Font Solutions** – Ghostscript provides an extensive font solution set, amongst the best of any PDL vendor for commercial quality fonts.

**Compatibility** – Fully compatible interpreters that accept any legal XPS, PostScript, PDF, or PCL file conforming to the published specifications of these languages.



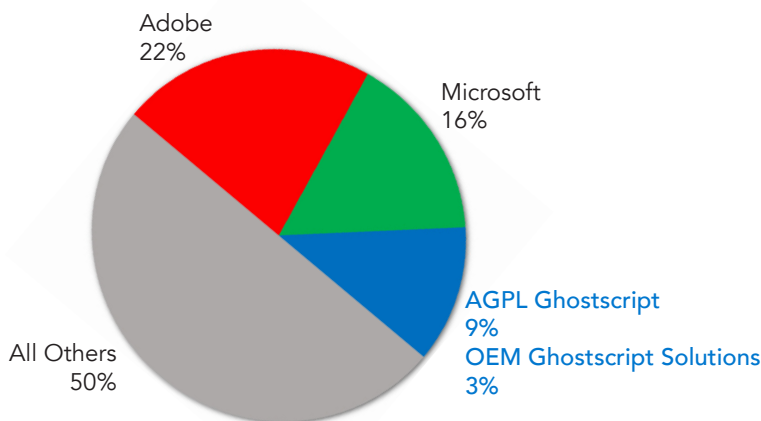
## Versatility

**Vast Range of Features** – Ghostscript’s breadth and depth of features makes it a veritable “Swiss army knife,” a customizable software solution for addressing complex imaging problems.

**Multi-Platform Support** – Including Unix, Linux, Microsoft Windows, Mac OSX, VxWorks, and RTOS. Ghostscript is often the first PDF, PostScript, and/or PCL interpreter available for less widely used operating systems.

**Wide Array of Modules** – Libraries, back-end file format and device drivers that further enable customization and flexibility.

**Open Source Ghostscript —  
#3 Creator of PDF Files in the World**  
Source: Adobe, PDF Association, June 2016



**Wide Range of Uses** – Deployed on host-based as well as cloud solutions:

- Embedding in printers, MFPs and RIPs
- Engine in most major document management systems
- Engine in a number of leading PDF generators and tools
- Providing cloud solutions for major partners

**Performance** – Ghostscript’s small (3MB) foot print, extraordinary color management and speed make it a superior solution. At 3MB, you won’t find a smaller foot print among PDL interpreters.

**Battle Tested** – Over 2,000 customer years of operational testing and delivery of Ghostscript has refined the product and prepared us to deal with any technology situation. Our rigorous and continuous benchmark testing ensures the highest quality performance.



## Ghostscript Versions and Key Features

### PDF INTERPRETER (Ghostscript)

- “Distiller” capability for PostScript to PDF conversion
- Fully compatible with the Adobe Portable Document Format for PDF 1.7, including PDF 1.4 transparency support
- ICC color-handling workflow
- Alpha channel transparency
- Blend modes and knockout groups
- Device “N” color support (6+ colors at 8 bits)
- One-step rendering for viewing or printing

### PCL INTERPRETER (GhostPCL)

- Supports all variants of PCL: PCL5e, PCL5c, PCLXL 3.0
- Compatible with AGFA font solutions
- Optimized for embedded applications
- Band at a time rendering (display list)
- Full resolution and orientation independent text, graphics, and images.
- Compatible with e (enhanced) PCL5 extensions (LaserJet 5/6 compatible)
- Compatible with c (color) PCL5 extensions (Color LaserJet 4700)

### POSTSCRIPT LL 3 INTERPRETER (Ghostscript)

- Full source code availability
- Anti-aliased text and graphics on continuous-tone devices
- Alpha value for displays
- ICC-based color support
- Device “N” color support (6+ colors at 8 bits)
- Band-at-a-time rendering for hi-resolution printers
- Additional data compression, decompression filters
- High-quality Type 1 scalable fonts

### XPS INTERPRETER (GhostXPS)

- Full source code availability
- Common graphics library with all of Ghostscript
- Converts XPS to PDF at a high level
- Support for transparency
- Support for HTML
- Unlimited resolution capability
- Optimized for embedded applications
- Band-at-a-time rendering (display list)

## Compare Ghostscript with Other Leading PDL Interpreters

Languages/Rendering	Ghostscript	Adobe	CST	Harlequin	JAWS
PDF					
PostScript					
PCL					
XPS					
Language/Conversion			NONE	NONE	
PDF -> PS					
PDF -> PCL					
PDF -> XPS					
PDF -> PDF/A					
PA -> PDF					
PS -> PCL					
PS -> XPS					
PCL -> PDF					
PCL -> PS					
PCL -> XPS					
XPS -> PDF					
XPS -> PS					
XPS -> PCL					