

# PCLReader V9.13 – 5/15/2010

## RELEASE NOTES

PCLReader.exe is a new, exclusive, standalone, single instance, client workstation, freeware subset of the functionality found in our PCLWorks Program commercial product (or the PCLTool.exe that comes with the PCLTool SDK). It is the replacement for our previous freeware FormView and TaxView programs.

For the full copy of all the release notes provided for our commercial products (PCLWorks Program and PCLTool SDK), please download <http://www.pagetech.com/docs/ptrelnot.pdf>.

This release note covers all the enhancements (in **bold**), modifications and bug fixes to PCLReader.

### V9.133 – 5/11/10 Maintenance release

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GUI's	Added a button and link to help file in PDF Preferences dialog
GUI's	Fixed bad link to help file in Convert Preferences dialog
<b>PDF</b>	<b>Expanded access to the various preferences that can be set when creating raster PDF files</b>
PTC32.dll's	Updated to turn all PTC32.ini relative paths to absolute paths, using the PTC directory as a reference.
TechSupport	Fixed bad link to help file in .exe.

### V9.13 – 5/04/10 Maintenance release

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GUI .exe's	All image files in View Image dialog now includes .RAW files.
GUI's	Data Overlay feature add ability to overlay text file to select font, pt size and "text"
GUI's	Data Overlay of browse - Files of type not retained.
GUI's	Print/FastPrint dialog - add back the Page Range
GUI's	Print/FastPrint dialog - add back the Print to File
GUI's	Progress screen truncates the f/n - either enlarge scrn or compress f/n to see drive<...filename.
Help	Fixed path to "Start Here- Intro to PageTech Tools" help file
PCLTool.exe	Find Text - Help link fixed
PCLTool.exe	Added .RAW files to the "All image files" Types of Files preference.
<b>PCLTool.exe</b>	<b>Add Conv. Pref.=&gt;General=&gt;Force Rotation of output file preference (LandRotate)</b>
PCLTool.exe	Data Overlay feature GPF's on "\data\tissue.txt" text overlay file
PTC32.dll/etc.	BUG: PCL3GUI incompatibility with DesignJet Z3100
TechSupport	Dump of TempDir= folder is created for every product listed in .\pagetech folder - list once only

### V9.11 – 4/08/10 Maintenance release

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PTC32.dll	Fixed a HPGL/2 and font handling issue	Kozel
PTC32.dll	Fixed a PCL page registration issue	Marsh
PTC32.dll	Fixed "bad /BBox" issue with embedded TTF's in PDF from download bitmap fonts	OpenText
PTC32.dll	Fixed a reverse graphics issue with embedded graphics when converting to vector PDF	

The source for these programs was migrated to VS2008 and recompiled:

**TnxDumpG.exe**

## Version 9.1

In order to satisfy our client's needs to develop solutions for Windows 7, 64-bit and .Net environments, we first had to first merge our 32-bit, 32-bit .NET and limited 64-bit source bases in one source base. We did this in order to streamline our development of the new 32-bit, 32-bit .NET, 64-bit and 64-bit .NET versions. But, also to make it easier for us to add future modifications, updates and enhancements for all versions.

We migrated the last few programs (PCLReader.exe, et al.) that were written in Borland to Microsoft Visual Studio in order to avoid the D.E.P. errors in Vista and Windows 7. This will also make it easier to provide our OEM's with the source code to these programs (upon request).

We also merged many standalone .dlls like (Imgman30.dll, XLDLL.dll, SFP2FF132.dll, et al.) into our main convert program (PTC\*.dll).

Here is a list of the major improvements contained in V9.1:

### **Built with VS2008 32-bit in .\PCLTSDK\_900 folder:**

mfc90.dll - MSVC 32-bit re-distributable file  
msvcm90.dll - MSVC 32-bit re-distributable file  
msvcp90.dll - MSVC 32-bit re-distributable file  
msvcr90.dll - MSVC 32-bit re-distributable file  
Filtr.dll  
**PCLReader.exe** **No longer creating D.E.P error in Vista/WIN7 due to compiled by Borland**  
PDFWrite.dll  
PTC32.dll  
PTV32.dll  
TnxDmp.dll  
XPSWrite.dll

### **Programs Merged into main PTC\*.dll programs for 32-bit, 32-bit .NET, 64-bit and 64-bit .NET:**

ALLCG.FS1 Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET\*.dll  
FF1Codes.dat Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET\*.dll  
SFPFF132\*.dll Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET\*.dll  
SFSFF132\*.dll Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET\*.dll  
SFT2TTBM.dll Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET\*.dll  
SFTFF132\*.dll Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET\*.dll  
XLDLL.dll Moved code into main convert PTC32/PTC64/PTCNET/PTC64NET\*.dll

### **Programs Removed from all products:**

BWCC32.dll New MSVC GUI .exe does not need this Borland GUI .dll.

### **Feature Changes in all versions of PCLTool.exe, PCLView.exe, PCLWorks.exe and PCLReader.exe:**

Changed: Search - Find Text dialog  
Replaced: Use TNX indexes with JIT Indexing  
Removed: Use, .TNX & .HIX  
Removed: Index by Location feature.  
Added: Rebuild Indexes  
Added: Warning when trying to search a file (PXL) that can't be JIT indexed.  
Search Stops: When it finds the first file that needs JIT indexing to be turned-on.

### **ENHANCEMENTS:**

<b>PCL3GUI</b>	<b>Added support for output from medical, mobile and laboratory devices.</b>	
<b>PTC32.dll</b>	<b>Added support for rendering RAW EMF image files</b>	<b>Syntel</b>
<b>PXL Text Extract</b>	<b>Improved our exclusive ability to extract text from PCL6</b>	
<b>Raw EMF View</b>	<b>Import Raw EMF files for viewing.</b>	<b>Syntel</b>
<b>TTWL.sym</b>	<b>Added support for Windows 98 Latin-6 (Baltic) symbol set</b>	<b>Tomala</b>

### **MODIFICATIONS:**

APP.INI	WarnAssumedPCL preference added to assume any input file contains PCL regardless of extension.	
Filter.exe/dll	Fixed to handle files over 4Gb in size	OSGBilling
GUI .exes	Page controls only available when a file is being viewed	
PCL GUI's	Open any file extension on cmdline w/warning <b>WarnAssumedPcl</b> preference	
PCLTool.exe	Added Paper Size at bottom of page view	
PCLTool.exe	Removed redundant "Windows 3.0, latin 1" entries in Convert Pref: Front Panel Settings->Symbol Set list	
PDFWrite.dll	2/14: Fixed Blank Page problem	Personix
PDFWrite.dll	PDF/A – CV-B Color vector – 1B – Missing Chars. in embedded font	Reclinfo
PTC	Added support for CMYK color raster object, V9	Ems-md
PTC32.dll	/Modified so *.AMP is default for browsing for AMPs in Misc Prefs	
PTC32.dll	Added code to handle custom media size in millimeters correctly	Xerox
PTC32.dll	Added code to ignore Xerox %XRX job language	GBS
PTC32.dll	Added support for landscaping issue	MMNZ
PTC32.dll	Bug mixing color and mono when overlay was applied.	Ig.se
PTC32.dll	Changed way AMP files are generated/searched for PCL6 chars. Need to re-generate previous AMP's	
PTC32.dll	Enhanced PCL3GUI support	Vida
PTC32.dll	Fixed a problem with the way we were creating calibration negative values	
PTC32.dll	Fixed font selection and sizing issue	BoatUS
PTC32.dll	Fixed problem with S:\INSTALLATION\MailStream Manager\Castle Bank-Dekalb, IL\Test.PDF	Syntel
PTC32.dll	Fixed text metrics in footer	SharonCU
PTC32.dll	PCL6 d/I bitmap fonts not using Swedish characters	Microdata
PTC32.dll	PXL – 2/14: Support for new type of d/I .SFT with composite characters (Add TESTSFT3.PCL)	Microdata
PTC32.dll	View PCL in raster shows a problem with PCL6. Convert to TIFF or PDF is okay JITIndexing	Haerry
PTC32.ini	[Misc] section – PdfRemoveTrailingSpaces=1 to fix PCL that overlays spaces on top of text	BabsonCap
PTC32.ini	DisplayStartupErrors - Do not display errmsg if one occurs during startup.	
PTC32.ini	FavorDownloadedLinedraw - Do not favor the downloaded linedraw	
TTEG.sym	Fixed mis-mapped Pi character	

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**Changes in V8.86: 10/15/08**

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AcctUtil.dll	Acctutil now first looks for the runcode.pgt before it looks for the .ini version in script during the install.	
Acctutil.dll	Tests for any of our .exe's running and prompt to close before uninstalling.	
<b>Filter.dll</b>	Added full support for "-7 -s" font character-level optimization to reduce PCL file size and throughput).	
FILTR.dll	Added code to support adding PCL6 download bitmap font chars. to CDRS for building .amp files	IMS
FILTR.dll	Added entry points for IBLTool.exe (non-released program) to access it.	
GUI .exe's	Fixed code to turn-off JIT indexing during any search functions	
GUI .exe's	Search - "Extract Text -> .tnx & .hix" does neither if the new JITIndexing=1. Code was added to turn this off.	
GUI's	Associated "PXL" with our GUI programs for View PCL.	
PCL Modify	Made compatible with new JITIndexing, PclSplit temporarily turns JIT Indexing off now.	Linden
PTC32.dll	Added code to fix tracking of font changes only by pitch/pt size on pg 1 in HIX indexing	Pushor
PTC32.dll	Added code to support adding PCL6 download bitmap font chars. to CDRS for building .amp files	IMS
PTC32.dll	Added PREF_INTL_PAGEORIENT_CCW to rotate page counter-clockwise	
PTC32.dll	Added support for detecting the various ways to set duplexing in PCL XL files.	FHInc
PTC32.dll	Added support to access the text in PJL comments. Including those inserted by the Port Monitor.	
PTC32.dll	Enhanced code to make PTC32.dll tolerant of CID data inconsistencies	Syntel
PTC32.dll	Enhanced support for Color palette setting.	TPSI
PTC32.dll	Fix \C:\Prod\PCLT\data\vp\gl-chars - Add "ES" command.	
PTC32.dll	Fix \C:\Prod\PCLT\data\vp\grid.pcl - Add "Grid pattern custom spacing".	
PTC32.dll	Fixed a bug when searching for text within a raster object.	BestComp
PTC32.dll	Fixed an issue where auto-rotation of the first character on a page did not rotate	Maxidom
PTC32.dll	Fixed obscure font selection and back spacing issues	Maxidom
PTC32.dll	Fixed some unreported memory leaks that could affect high volume jobs.	FHI
PTC32.dll	HMI spacing from d/l font header used even if font selected by attrib., with conflicting HMI.	Input1
PTC32.dll	Improved parser to better detect when a blank page should be ejected.	
PTC32.dll	Modified font selection to give d/l bitmap fonts included in print stream a higher preference.	Boscom
PTC32.dll	Updated .hix indexing to better track font changes by pitch/pt. size on the 1 <sup>st</sup> page of custom PCL.	Pushor
PTC32.dll/.ini	Added PJLComments InTnx preference in [Extraction Section] to reveal PJL comments in .TNX output	
PTC32.dll/.ini	Added PREF_EXTRACT_PJL function to extract PJL comments in .TNX file for indexing/routing metadata	
RUNCODE.PGT	Now shipping runcode.pgt's instead of runcode.ini's in order to avoid Anti-virus software that strips .ini's.	
SFP2TTBM.dll	Fixed a bug in bitmap edge tracing case.	
SFSFF132.dll	Fixed code to accommodate odd outline to outline reference within character cell	Maxidom
TNXDmp.dll	Added PJLComments InTnx preference in [Extraction Section] to reveal PJL comments in .TNX output	
TNXDmp.dll	Added support to access the text in PJL comments.	
TNXDump.dll	It now truncates anything after 1024 characters on one line of text for PCL with no linefeeds.	Automail
TNXDumpG.exe	Added " <b>Suppress PJL Comments</b> " check box to suppress PJL comments in .TNX output	
TRENDMICRO	FAQ to disable Trendmicro and other A/V software to avoid problems with InstallShield temp .rra files.	
XDLL.dll	Added support for detecting the various ways to set duplexing in PCL XL files.	FHInc

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**Changes in V8.80: 3/30/08**

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<b>Filter</b>	Added full support for "-7 -s" font character-level optimization to reduce PCL file size and throughput).	
<b>HP JetReady</b>	Added full support for HP's new PCL6 JetReady raster (JPEG) graphics in the HPLJ 3500/3550/3600 printers.	
<b>Indexing</b>	Added new <b>Just-In-Time Indexing</b> when <u>viewing</u> PCL from any of our .exe's.	
<b>Max. File Size</b>	Increased the maximum input PCL file size to more than one TeraByte.	
<b>Normalization</b>	Reduced the resources required to normalize PCL pages for extraction to increase throughput speed.	
<b>PCL3GUI</b>	Added support for PCL3GUI (output for medical/lab/WIN CE devices)	JadTech
<b>PCL5c/XL</b>	Enhanced parser algorithms to increase conversion speed of color objects to both raster/vector PDF	Mercer/htc
<b>PDF</b>	Optimized logic to eliminate redundant graphic (logo/signature) objects in vector PDF files.	
<b>PDF /JBIG2</b>	Increased JBIG2 raster object conversion speed with enhanced algorithms to support global tables for download fonts for conversion to raster PDF only.	
<b>PDF/A Format</b>	Made several enhancements to more quickly create PDF/A files with higher data integrity.	APPIC
<b>PDFWrite.dll</b>	Added <b>10 new functions</b> to our direct PDF driver.	
<b>XDLL32.DLL</b>	You must use JIT indexing to View PCL- PCLXL files	xlc23/xljr9.pcl
<b>XPS Output</b>	Added new <b>pcl2XpsRaster</b> function to PTC32.dll to output to Microsoft's new XPS portable document format	

**MODIFICATIONS:**

.SYM Files	Added low ASCII characters in cells 1-31 to the following symbol sets: TTPC, TTPD, TTPE, TTPG and TTPM	
Filter.exe/.dll	Added support for Lexmark raster <b>compression method 1008</b>	MW-INC
GUI .exes	Add the "-s" option to the Modify PCL page - <b>Eliminate Redundant fonts &amp; Optimize PCL</b> pref.	
Hidetext.pcl	Added some new methods of hiding text in a PCL file.	
HPGL/2	Added code to support diagonal HPGL/2 text	Acuprint
HPGL/2	Fixed bug that changed the color when exiting HPGL/2 and re-entering PCL	
	Mozell	
PDF/A	Added code to extract the char. widths required when creating a PDF/A to better adhere to ISO spec.	APPIC
PDF/A	Added code to only use the one CMAP required/allowed when creating a PDF/A for ISO spec.	APPIC

PDFWrite.dll	Fixed some syntax anomalies in the Doc. Info. Preferences when making PDF/A format	APPIC
PDFWrite.dll	Global tables for d/l fonts & raster chars. in <b>JBIG2</b> raster PDF's are optimized to be smaller and faster	
PDFWrite.dll	Improved way we handle condition when trying to write to a PDF file that is opened and unshared by the Reader.	
PTC/.hix (new)	Reduced the resources required to normalize pages for extraction - smaller file sizes/increased speed	RecInfo
PTC/HIX	Expanded to support for new PCL XL operands	
PTC32.dll	Adapted following high level functions to use with the new JIT method of indexing:	
PTC32.dll	Adapted following low level functions to use with the new JIT method of indexing	
PTC32.dll	Added <b>optimization</b> logic to eliminate redundant graphic objects - <b>VECTOR PDF</b> (DEF:=yes)	
PTC32.dll	Enhanced parser to handle faulty Escape codes like the printer	Acuprint
PTC32.dll	Fixed a bug when searching for text within a raster object	BestComp
PTC32.dll	Fixed a edge case where stray text was intermingled with a all-raster page image	GP
PTC32.dll	Fixed a problem when selecting a new font, then immediately using Tab escapes to space text	Verizon
PTC32.dll	Fixed a problem with a macro that had two pages	APPIC
PTC32.dll	Fixed bug (intro'd 6/16/07) that made mono raster objects yellow after a HPGL/2 "IN" command	
PTC32.dll	HMI spacing from d/l font header used even if font selected by attrib., with conflicting HMI.	input1
PTC32.dll	Improved our method of determining the font point size when selected by font pitch.	
PTC32.dll	Modified font selection to give d/l bitmap fonts included in print stream a higher preference	boscom
PTC32.map	Added HMI values to the 4101 (CG Times) to Times New Roman Base Remap	greggv
RUNCODE.PGT	Now shipping runcode.pgt's instead of runcode.ini's in order to avoid Anti-virus software that strips .ini's.	
SFP2FF132.dll	Made more stable when it encounters corrupted binary data in downloaded characters	CGI
TNXDump.dll	It now truncates anything after 1024 characters on one line of text for PCL with no linefeeds	automail
TRENDMICRO	FAQ to disable Trendmicro and other A/V software to avoid problems with InstallShield temp. files	

### **PROGRAMS REMOVED**

**PCLXL32.DLL** Moved the functionality and code from PCLXL32.dll into XLDLL.dll and PTC32.dll. This .dll is no longer needed.

### **Changes in V8.49i: 8/15/07**

PTC32.dll	Added code to more fully support the HPGL/2 CYMK color model	DevInfo
PTC32.dll	Added code to remove blank top/left margins	Kayes
PTC32.dll	Added support for a new way to copy/assign fonts	ISE
PTC32.dll	Added support for Kentek compression #99 with raster data blocked in greater than 64k objects	UBSI
PTC32.dll	Fit dimensionless image to 8 inch width.	Mirco
PTC32.dll	Fixed 32k download font description limit with Chinese fonts	Toptech
PTC32.dll	Fixed edge cases of palette reset and automatic overlays	THIG
PTC32.dll	Improved the way we determined underline spacing to not rely only on font data that maybe wrong	SoftCarr
PTC32.dll	KeepOffPageText preference added to access text placed off the printable area.	LindenH
XLDLL.dll	Added code to detect PCL XL error condition	JadTech
GUI .exe's	DEP (Data Execution Prevention) is a new security feature in Windows XP, 2003 and Vista. PCLTool.exe, PCLWorks.exe and PCLView.exe create false-position error conditions because they are compiled with an older Borland compiler. We are in the process of migrating these .exe's to MS VC. In the meantime, you will need to exclude these .exe's from the DEP security checking process.	

### **Changes in V8.49: 5/7/07**

<b>PTC32.dll</b>	Added support to <b>output to XPS</b> format	
PTC32.dll	Added code to help PNG reading programs find the resolution of image data	Alcon
PTC32.dll	Added logic to accept HPGL/2 SI command with poor syntax which caused a larger font to print	
PTC32.dll	Added support for Sharp PCL XL compression mode 2001(gray-scaled logo)	Linden
PTC32.dll	ASCII value Dec(7) BEL and Dec(11) VTAB are now ignored control chars. in download fonts	Blueware
PTC32.dll	Expanded the character mapping of the internal symbol set for ISO:21 German	Aareon
PTC32.dll	Fixed metrics computing error from d/l bitmap fonts with non-zero valued in height-extended field	MIDRID
PTC32.dll	Fixed page counting bug when converting to raster PDF without PageCounter running	DevInfo
PTC32.map	Add Wingdings Bold to font map	
PTV32.dll	Fixed color BMP/DIB displaying all black when quality setting is not set to "lighter"	meta
SFP2ttbm.dll	Fixed bug when handling zero length glyphs	
XLDLL32.DLL	You must turn-off Warnings, Low-Level indexing to View PCL PCLXL files until next release.	

### **Changes in V8.43:**

PDFWrite.dll	Fixed bug that inhibited printing PDF's that we created to PostScript printers	APPIC
PDFFIX.exe	Upgraded PDFFIX to find and fix PDF's that need to print on PostScript printers.	
Filtr.dll	Upgraded Filter.exe/Filtr.dl/Call_Filter function to do multiple search/replace edits in one pass	BestComp

### **Changes in V8.42:**

PrnlsPDF.dll	Added missing program to allow printing to non-PDF/TIFF file creation drivers and across network	
PTC32.dll	Added additional support for HPLJ 3500/3550/3600 PCL6 JetReady raster graphics	
XLDLL.dll	Added additional support for HPLJ 3500/3550/3600 PCL6 JetReady raster graphics	
RUNCODE.ini	Extended expiration date to 12/31/35	
.PDF Files	Updated all support, release note and other .PDF files	



**The following are the differences between the freeware PCLReader and commercial PCLWorks Programs:**

Splash screen: Initial screen requires "Agree" with license agreement, then de-activates after selection.  
 View PCL: View PCL in raster mode for the first 2,000 pages of a PCL file.  
 Print PCL: Gray-out vector mode in View PCL and Search Text viewing options.  
 Print PCL: Print PCL in raster mode for the first 2,000 pages of a PCL file.  
 Converting: Prohibits printing to any driver that produces PDF, TIFF, XPS or any other supported file format.  
 Converting: Converts first 10 pages to raster PDF and other raster formats, with a watermark on pages 11 to 2000.  
 Converting: Gray-out all vector EMF, WMF and PMF from conversion output file types.  
 Converting: Gray-out vector PDF from conversion output file types.  
 Extract Text: Extracts up to the first 2,000 pages of the PCL file.  
 Modify PCL: Modifies up to the first 2,000 pages of the PCL file.  
 Text Extraction: Extracts only the first 10 pages of a PCL file.  
 Page Splitting: Extracts and Normalizes only the first 10 pages of a PCL file.  
 Preferences: Convert Preferences->Warnings - no access to dialog.  
 Preferences: Convert Preferences->Files and Paths - no access to dialog.  
 Preferences: Convert Preferences->Remove Fonts - not selectable.  
 Preferences: Convert Preferences->Rescan FastFonts - not selectable.  
 Preferences: Convert Preferences->Convert Downloaded Fonts - not selectable.  
 Preferences: Convert Preferences->Save Converted Fonts - not selectable.  
 Preferences: Convert Preferences->Save Unused Fonts - not selectable.  
 Fonts: WinFMove does not convert any FastFonts into TrueType fonts for vector formats.  
 Fonts: Font map (PTC32.MAP) cannot be modified.  
 Fonts: "T" cartridge tax fonts are removed.  
 Fonts: Converted fonts from PCL print stream cannot be saved.

Programs:

Program Name	Description	PCLReader Freeware	PCLWorks Program
FFViewer.exe	Views/Prints FastFont Typefaces	Not included	Included
Filter.exe	PCL search/replace edit utility	Not included	Included
Img2PCL.exe	Converts TIFF/JPEG into PCL macros	Not included	Included
Img2PDF.exe	Converts TIFF/JPEG into PDF files	Not included	Included
Img2XPS.exe	Converts TIFF/JPEG into XPS files	Not included	Included
PCLCodes.exe	Disassembles PCL files for analysis, debugging and learning PCL escape codes.	Not included	Included
PCLSplit.exe	Splits PCL files several ways	Not included	Included
RCMgr.exe	Runcode manager	Included - only used during Setup	Included
WinFMove.exe	TrueType to FastFont Converter	Included - only used during Setup	Included