

Why are JBIG2 better than TIFF G4 raster PDF's?

PageTech now offers HP PCL to PDF conversion with embedded JBIG2 raster.

JBIG2 Benefits:

- State-of-the-art, accurate, device-independent representation of rasterized documents
- Efficient, high-quality communication of text and graphics
- Formatted documents that are suitable for high-speed production printing environments
- Conformance with JBIG2's emerging new standard for Internet publishing tools, wireless applications, Internet fax, new-generation fax machines, multi-function peripherals and printer controllers.

Claims made by the few vendors who are currently offering similar JBIG2 capabilities:

- Compresses data up to 70% smaller than TIFF Group 4
- Performs 40% better than Fax G4
- Provides two to six times the compression of G3, G4 and JBIG formats
- Lossless compression with page sizes far smaller than the industry standard (G4 fax compressions)

Highly-structured documents that are mostly text (invoices, statements, claim forms, et al.) can be converted into a JBIG2 raster format, rendering documents far smaller than those compressed using TIFF Group 4 format.

Because JBIG2 is symbol-based compression of black-and-white (bitonal) images of text, PageTech's JBIG2 compression has a distinct advantage over all known competitors implementing JBIG2 compression who must start with a scanned image of a page (BMP, TIFF or other raster format). We directly transform the print stream that produces the documents. This eliminates the need for expensive scanning equipment, personnel to perform the scanning and the unnecessary time for an intermediate step. While interpreting the PCL, Pagetech's PCL technology provides immediate access to all text characters, symbols and glyphs. This is a distinct advantage over our competitors who must make several pattern-matching passes through a document's scanned raster image (which consists of text, raster, grayscale and linedraw objects). In that the objects in a typical business document are almost all text, PageTech's tools require significantly less time to build a dictionary to achieve maximum efficiency.

We can also add color, barcodes, logos or form overlays to the PCL prior to printing or during the conversion to JBIG2/PDF.

See for yourself the advantages our PCL technology and JBIG2 compression methods could offer your company.

Send us your PCL for analysis and a trial conversion to PDF with embedded JBIG2. Please include your full 'wish list' of how you would like to:

- Enhance the print stream
- Decollate it into individually-named PDF files or
- Generate external ASCII or XML index files.