



# PRO AFP to Image

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## Overview

**PRO AFP to IMAGE** dynamically converts Advanced Function Presentation (MODCA-P, AFPDS and AFP Category 5) documents to TIFF or PNG formats.

**TIFF** is the format of choice for archiving business documents as images and it is used in many Enterprise Content Management implementations. Other imaging formats can only handle single page files, which are then very difficult to reassemble into multi page documents. TIFF offers an important advantage: it can hold either single or multiple pages in one file. Using the built-in **PRO Splitter**, organizations can easily create TIFF files containing complete customer statements, bills, invoices, policies, and other important documents.

**PRO AFP to Image** provides a smooth migration path for those AFP printer customers who want to improve the accessibility and organization of their critical AFP data by meshing it with their ECM systems – without making costly architecture changes. Whether organizations want to archive and retrieve their AFP documents or to make them available to both staff and customers in an interactive mode, **PRO AFP to Image** is the key enabler: it provides high-fidelity images of the business data, indexed, and, if need be, enhanced or restructured.

The converted TIFF and PNG images are perfect representations of the original AFP files. All AFP fonts, overlays and other resources are reproduced exactly as they are on an AFP printer.

**PRO AFP to Image** delivers high-speed performance and stability indispensable in high volume, mission-critical printing environments. This CTI solution can consistently convert large volumes of AFP documents dynamically at display or retrieval time. This can save significant data storage costs and eliminate expensive batch transformation processing.

During the conversion, **PRO AFP to Image** optimizes images for archiving, retrieval and display, using our powerful PRO options and eliminating the need for costly changes to the native print applications.

## Multiple Uses

**PRO AFP to Image** can generate images for Enterprise Content Management (ECM) systems, to be used for instance in:

- Archiving/retrieving mission critical documents

- Storage of documents in imaging and COLD systems
- Storage of documents in Report Management and Distribution systems
- Distributing documents electronically, for instance by emailing or faxing
- Selective Reprinting
- Disaster recovery

## The Best Approach

**PRO AFP to Image** is the best approach, because it provides the following:

- Conversion into TIFF or PNG of print documents in Advanced Function Presentation (MODCA-P, AFPDS and AFP Category 5) formats, which allows organizations to leverage their investment in those technologies in the Enterprise Content Management (ECM) systems
- Archival/retrieval capabilities for AFP printer applications
- TIFF files representing the original AFP documents with perfect fidelity, optimized for storage, archival, retrieval, re-display and electronic distribution
- Ability to create and handle single page files or meaningful multi page aggregates, like customer statements (TIFF format only)
- Outstanding performance combined with exceptional quality
- Conversion, indexing, enhancing (reengineering) and splitting of the input printer files in a single production pass
- A choice of platforms that includes Windows, AIX, Solaris, Linux, z/OS and Windows
- The most value combined with the best architecture

## Multiple Platforms

**PRO AFP to Image** runs on the following platforms:

- Windows XP, NT, 95, 98, ME, 2000, 2003
- AIX
- Solaris
- Linux
- HP-UX
- z/OS (all versions)

## Superlative Support

Crawford Technologies believes in providing superlative support for all our products. We offer telephone hotline support for problem reporting and product inquiries as well as FAX and e-mail support. Our online [Knowledgebase](#) provides access to our incident reports and change logs 24 by 7. Our extensive front line experience and in-depth product knowledge allow us to respond quickly with solutions.

For organizations that need support around the clock, our Premium Support Plan provides full 24 by 7 coverage.

## Transform PRO Options Provide Excellent Value

You can use the following optional plug-ins with **PRO AFP to IMAGE**, to add additional capabilities and optimize TIFF images for storage, archival, retrieval and display:

- \* PRO Indexer

- \* PRO Splitter
- \* PRO Document Enhancer

## Features & Benefits

### Archive, Retrieve and Use Documents of Outstanding Fidelity

The converted TIFF and PNG images are perfect representations of the original AFP files. All AFP fonts, overlays and other resources are reproduced exactly as they are on an AFP printer. With your printer files in the widely accepted TIFF format, you can easily store your important documents in ECM systems, making your data secure and easily retrievable.

### Take Advantage of Superb Archival Flexibility: Archive by Page, by Customer, by Transaction, etc.

Unlike other imaging formats, TIFF files can handle single or multi page files. To store multi page customer statements, contracts or policies, use the built-in **PRO Splitter** to split the printer file during conversion into separate multi page documents. **PRO AFP to Image** will then create one TIFF image for each individual complete document. This will allow you to easily archive and retrieve data on individual customers or transactions without the need to modify the application that creates the original print file.

### Expand the Value of Current Printers

Since **PRO AFP to Image** can convert the output of your current printers to an additional format, the usefulness of those printers to your organization is expanded and their value is increased.

### Fit AFP to Image into Your System Architecture Easily and Reliably

**PRO AFP to Image** runs on many platforms, including Unix, Linux, Solaris, HP-UX, z/OS and Windows. The ability to create new versions of your documents on your choice of platforms, without expensive and time consuming file transfers and process changes, saves you money and allows you to reap the benefits of **PRO AFP to Image** easily and reliably.

### Optimize the Conversion and Management of TIFF Files and Make Savings

The optional **PRO Indexer** plug-in can extract text for separate archival, create index files, XML files, or database commands, mark document breakpoints and generate image names using the contents of the original documents, such as account number, customer name or statement date. This can greatly simplify the process of managing the converted files and bring financial savings.

### Enhance Documents without Paying for New/Changed Print Applications

During the conversion pass, the optional **PRO Document Enhancer** can **reengineer** the converted documents to meet most any change requirements. Pages, text fields, form

fields, hyperlinks, bar codes and OMR marks can be added, changed or suppressed, eliminating the need for costly reprogramming of the original print applications.

## Product Specification

### Print Stream Support

**PRO AFP to Image** is based on the PRO AFP interpreter that supports all of the Advanced Function Presentation centralized printer capabilities including:

- MODCA-P
- AFPDS
- AFP Category 5

### Resource Support

**PRO AFP to Image** contains support for an extensive array of AFP print resources including:

- AFP bitmap fonts
- AFP outline fonts
- IM1 images
- IOCA images including FS45
- Overlays
- Page Segments
- Form definitions
- GOCA objects
- BCOCA standard and 2D barcodes

### Font Handling

**PRO AFP to Image** generates perfect representations of the original AFP fonts, overlays and other resources that look exactly like on the AFP printer.

### Output Format

**PRO AFP to Image** contains a device driver that dynamically converts AFP documents into TIFF or PNG output files. The generated images are monochrome bitmaps with adjustable raster resolution.

**PRO AFP to Image** can create single page files or (for TIFF) multi page files. The latter are capable of holding extended information on an individual customer or transaction.

### Transform Control Options

**PRO AFP to Image** allows you to set the raster resolution (default 300 DPI). The output TIFF can also be optimized through a number of run-time options that can tailor it to fit various environments and uses.

## ***Splitting Documents***

The built-in **PRO Splitter** plug-in allows you to split the printer file into multi page TIFF images, each containing complete information on a particular topic, for instance an invoice.

## ***Indexing***

The optional **PRO Indexer** plug-in allows you to select and extract pertinent data from within the print stream, while a document is being processed. The Index files can be generated in a variety of formats. You can:

- Define any number of index keys to be extracted
- Select fields and define how they will be manipulated before being written to the index file or XHTML file
- Mark breakpoints for individual subdocuments
- After selection, use PRO Indexer to "scrape" all or selected fields of text and place it in an index file or text file
- Set up names for images created by PRO AFP to Images based on the contents of the original document, for instance customer names or account numbers. This would allow you to archive the output files in databases and later call them up for display or printing

## ***Enhancing Documents***

The optional **PRO Document Enhancer**, a powerful reengineering tool, allows you to manipulate fields to easily create modified, customized and enhanced documents without having to consume IT resources to make complex programming changes to business applications. Modifications that can be made to print applications include:

- Adding text fields, OMR marks, barcodes or images to pages
- Suppressing OMR marks, barcodes and text fields
- Moving information around on the page
- Changing fonts for text fields
- Repaginating multiple-up print files to 1-UP
- Inserting new pages
- Adding marketing messages

## ***Audit Log***

The Audit Log option allows you to log the details of the file conversion process, including the contents of the input file. You can define what to log, for instance fields from the print data, such as account numbers, policy numbers, invoice numbers, customer names and other useful tracking information.

## ***Statistics Log***

The Statistics Log feature allows you to log statistical information on the file conversion process. This includes a log of the parameters used, number of pages processed, conversion time, conversion speed, resources used and other information about the transform process.

# **System Requirements**

**PRO AFP to Image** can be installed and configured by the customer or Crawford Technologies professional services consultants. For more information, contact us. System requirements are as follows:

## Software Prerequisites

**PRO AFP to Image** runs on the following operating systems:

- Windows XP, NT, 95, 98, ME, 2000, 2003
- AIX versions 4.2, 4.3 and 5.x
- Solaris, versions 2.6 and up
- HP-UX 10i and 11i
- Red Hat Linux
- SUSE Linux
- z/OS – any version

## Hardware Prerequisites

### Computer

**PRO AFP to Image** requires a computer capable of running the software described above.

