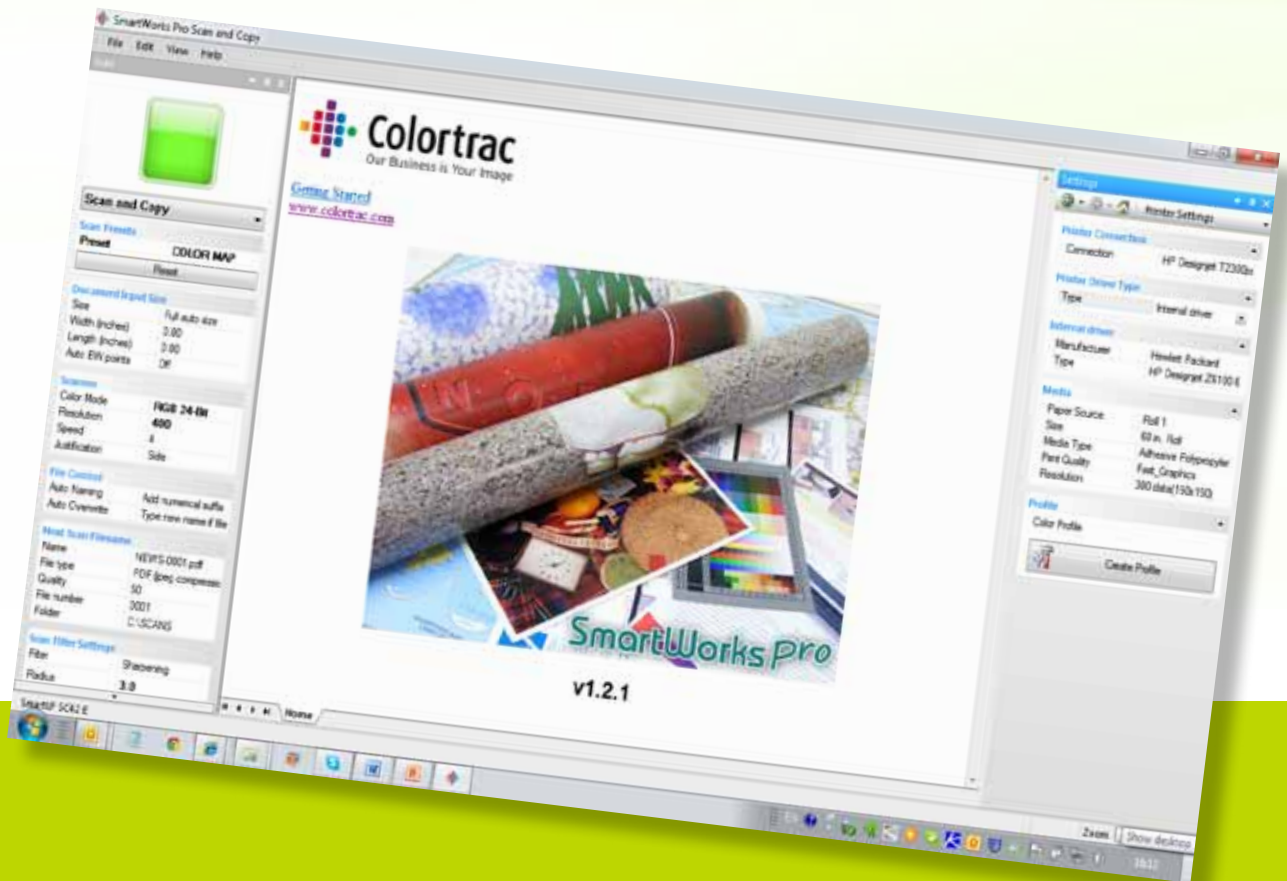


# SmartWorks Pro

INNOVATION IN WIDE FORMAT SCANNERS AND SOFTWARE



Touch-Screen Capable  
Scanning and Copying  
Software for Professional  
Imaging Applications



PROVIDES:  
PRODUCTIVE WORKFLOW GIVING EASY SCANNING,  
COPYING, SCAN-TO-FILE WITH ADVANCED IMAGE  
RESTORATION AND COLOR MANAGEMENT



Great color straight out of the box  
at a touch of a finger tip!

## SmartWorks Pro

A software platform providing three discrete applications in one package - **Scan, Copier, Scan & Copy** together, suiting the requirements of both the occasional and professional user.

The intuitive **Graphical User Interface (GUI)** can be operated through either Mouse or **Touch Screen enabled displays**, providing simple working or rapid access to the wide range of new **Full Color and Image Quality Editing** features.

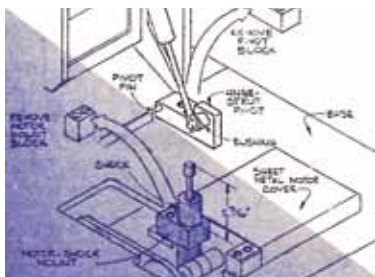


Image restoration

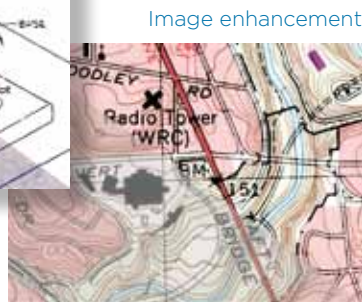


Image enhancement

scanned and the key operator can create additional **Preset Filters** to key scanning features for more unusual types of document. Eliminate the common problems when scanning documents such as monochrome CAD or technical drawings, or conducting image restoration on archived blueprints. This feature allows a quick review of how the scanner will treat each type of document you scan - automatically.



### Consider the issues related to productivity.

One of the main problems limiting the throughput of documents when scanning is the way in which the software application handles the image data once it has been scanned. With **SmartWorks Pro**, we believe the **Scan-Once Workflow** sets us apart by allowing any number of adjustments to be made in real-time after scanning the image file which is then updated and saved without any additional scanning or operator intervention. This reduces the amount of time incurred storing and retrieving the data file, re-scanning to review changes made or refreshing the screen content.

**Scan-Once** also limits the opportunity for potential damage to the original document, especially if the document is fragile and/or valuable.

Let **SmartWorks Pro** enhance your productivity by using the **10 Preset Filters** for quick selection of your preferred key scanning parameters. This helps unskilled operators make the sensible choice of the correct image processing to be used for the **TEN** most common document types

### About to undertake a large archiving job?

Let **SmartWorks Pro** help you manage the scanned images by using the SmartWorks Pro **Multi Page Document Manager**, it allows the operator to combine large and differing scan file types into a single TIFF or PDF file. Creating a multi-page document outside of the scanning process has several advantages:

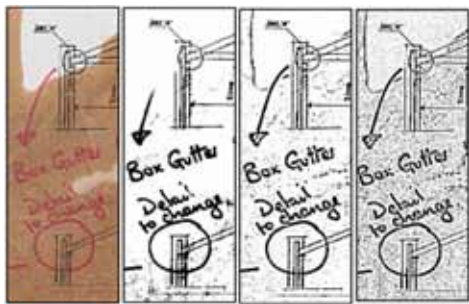
- Allows operator freedom to edit and quality check each scan as they would normally
  - Works with large or small files without slowing down the scanning process
  - Allows jpeg and tiff, monochrome and color files, physically large and physically small files all to be built into one self-contained file
  - Copes with interrupted scan flow without affecting or corrupting the whole file
  - Does not require an especially powerful computer since Multi Page Document creation takes place outside of the scanning workflow
- TIFF and JPEG can be selected and re-ordered as necessary

# SmartWorks – works smarter and harder

before saving to a multi-page TIFF or PDF document. To view your PDF multi-page documents you will need Adobe Acrobat or similar. View your TIFF multi-page documents in an application which can open multiple page TIFF files. You may also increase the throughput of your scanned documents by using the advanced **Auto Size** feature, it automatically sets the parameters of the scan to suit the size of original document. Also use the **Auto Detect Document** – starts the scan automatically allowing the operator to concentrate on the staging of the document and preparing subsequent materials for feeding. Use the **Auto Name** feature where the operator can define the basic file name and **SmartWorks Pro** appends the relevant scan number to the file name for each subsequent document scanned. It can also be set to provide an **Automatic Time Stamp** to each file and also includes options that control over-writing of the file. These combined features allow the operator to scan multiple sheets simply by continually feeding the scanner with new documents.

## Consider the issues related to scan quality.

The main issues relating to the quality of scan are as a result of the quality of the original document. If you have a perfect original, then the scan copy will also be perfect. But more often the originals are imperfect and have additional hand-written information added or suffer from age or wear related problems. For **SmartWorks Pro**, this is the point at which the real drive for image perfection starts.



Consider the need for the production of a pure Monochrome image, to create the smallest image file for storage, when the original may be colored, damaged, stained or even an old original Blueprint. Clearly the clarity of the finished scan needs to be the primary objective and **SmartWorks Pro** has several ways in which it can achieve that. By selecting the **Bi-tonal** feature, this type of **Thresholding** provides

the easiest means of converting the image to Black or White for clean originals, yet produces immaculate image quality for legibility. Other alternatives for the removal of a varying background could be using **Intelligent 2D Adaptive Thresholding** that in conjunction with the **Scan-Once** feature, allows the variation in the background to achieve the desired contrast. A **Dithered** approach provides photo realistic reproduction in a **Bi-tonal** format where conversion from color to monochrome output is necessary.

Where full color is concerned, **SmartWorks Pro** provides great color images - 'straight-out-of-the-box'. By integrating ICC color management into **SmartWorks Pro** viewer, we have been able to provide a very accurate representation of scanned and printed output. This is done in the set-up stage by the use of standard **IT8 targets** that profile the scanner for color accuracy and color sensitivity. **SmartWorks Pro** will attach profile information to each scanned image file, ensuring accurate color reproduction when reloading into **SmartWorks Pro** or displaying using other color calibrated viewers. When viewing the color or tonal changes of a scanned image, **SmartWorks Pro** provides the user with a color managed and smooth flicker-free display showing exactly how the changes made will affect the final color of the output document.

When using the **SmartWorks Pro Scan & Copy** or **Copier** versions, there are several different alternatives to how the printer driver can be used. By using the standard Windows™ printer driver, the output characteristics of the scanned image are defined based on the sophistication of the chosen output printer manufacturer. For some Windows printer drivers, the options for paper conservation and color profile selection can be limited. **SmartWorks Pro Printer Drivers** allow the user to create printer profiles specifically suited to the chosen output media and also to benefit from greater control over precise copy size and economical paper utilization.

For compatibility with large CAD drafting printers, TIFF files can be held in an **Optional Hot Folder**. With this feature all scans are automatically detected and printed by the CAD printer without the use of printer drivers. (Note: CAD printer must support hot folder/RIP operation.)

<b>One interface - three applications</b>	Scan Scan to file only Copier Scan to Printer only Scan & Copy Scan to both file and printer - simultaneously
<b>Either Mouse or Touch Screen compatible</b>	Choose the style of operation that suits you. Use Touch Screen operation when archiving similar documents types in conjunction with Preset Filters Use the Mouse for in-depth manipulation of the scanned image, modification of the presets.
<b>Optimized Windows Printer Driver Support</b>	Great color, straight out of the box Use any Windows compatible printer to get the printed output you need
<b>Scan Once</b>	Edit straight from the scan, as many times as you need No need to re-scan the file every time you need to make an adjustment Reduces image process time and increases productivity
<b>Many automatic features</b>	Auto paper size detection Auto start scanning Auto Name / Date & Time stamp - including Overwrite Control Auto File Save Improved Auto Paper De-skew <sup>1</sup>
<b>Advanced Editing Features</b>	Smooth de-skew -squares the scan and minimizes the stress in the original document Exterior Borders - quickly produce large printed outputs based on inputs scanned 4-Vu (multiple views) - specify 4 separate areas of the document being scanned to simultaneously monitor content or quality during the scan Efficient High Speed Viewer - fully customizable 10 Preset filters for repeatable best results with common document types
<b>Multiple Black &amp; White Modes</b>	Grayscale - 8 bit, 256 levels of gray Bi-tonal (simple original) Adaptive Thresholding (difficult original) Fully Dithered (Photo, Line Art & Mixed) Able to repair image data on damaged originals
<b>Total Color Management</b>	Transform and enhance all aspects of scanned images and colors Profile Scanner and printer for pristine reproduction of color where used Display images on a calibrated screen (third party software required) Save scans with embedded RGB profile Create printer profiles for your print material to create the best color output Repeatable quality scan after scan, copy after copy
<b>Functionally Adaptive User Interface</b>	Simple set-up of scanning for non-specialist users Quick access to the full feature set for the professional allowing them to ensure the quality of individual scans
<b>Fully Indexed Help File</b>	Fully translated and searchable on relevant subject matter Subject related help information
<b>Supported File Formats</b>	TIFF, TIFF packed bits, TIFF LZW, TIFFG3, TIFFG4, JPEG, JPEG2000, PDF, PNG, multi-page manager for TIFF and PDF files.
<b>10 Preset Filters</b>	Setup for quick selection of preferred key scanning parameters for the TEN most common document types.
<b>Multi Page Document Manager</b>	Allows JPEG, TIFF and PNG, monochrome and color files, physically large or small to be built into one self-contained file

<sup>1</sup> Automatic De-skewing only available in conjunction with the Gx+ products

For full details of host system requirements please go to: <http://www.colortrac.com>

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