



Colortrac
Our Business Is Your Image

Press Release

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Colortrac announces a new range of large format technical document scanners

- Outstanding performance at an affordable price!

Colortrac is the most experienced designer of the world's most innovative large format scanners

COLOUR SCANNING FOR THE PRICE OF B&W – OR LESS!

Exceptional value B&W model is field upgradable to colour

Fast achieved speeds, up to 10.1"/s for B&W and 3.36"/s in colour*

Design optimised for accuracy & extra sharp fine image detail

2400 dpi maximum, select any dpi from 100 to 2400

Instant scan from power-on with push button scan to file, copy or email

Perfect for office or mobile scanning projects

Becomes a digital plan copier when scanner PC is connected to a printer

No stitching, no calibration, no warm-up and no waiting!

Colortrac SmartLF is an all new scanner range that provides fast large format digital image capture at an unbeatable price.

for both professional and occasional users. –Archiving, copying or edistribution of maps, AEC & CAD drawings, lineart or text is simple, quick and easy with the included software.

Unique on-site upgrade from monochrome to colour and colour to enhanced colour

A flexible system for your changing requirements with the capability and features you want - when you need them! SmartLF is the **ONLY** large format monochrome scanner available that can be upgraded to full colour specification. If you require monochrome and are unsure of your need for colour, buy the scanner that fits the current requirement and budget with the reassurance that you can upgrade if / when the need arises.

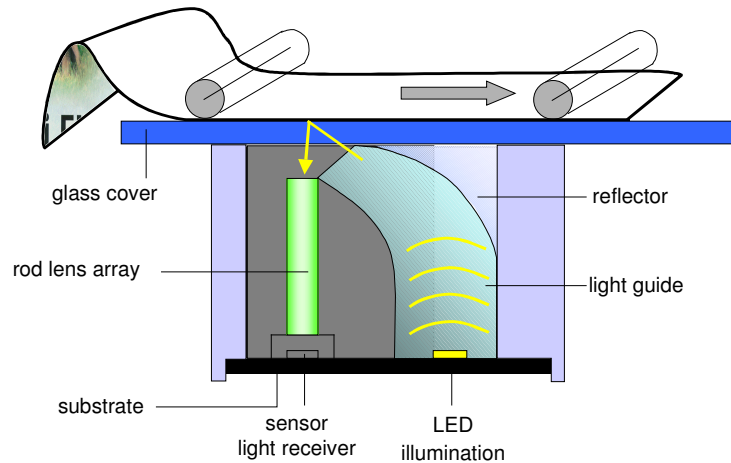
Fast achieved scan speeds

Maximum achievable scan speeds at 200 dpi resolution are 10.1 in/s (25.6 cm/s) for monochrome and 3.36 in/s (8.53 cm/s) for colour. This makes SmartLF easily the best price performance range of large format scanners available.

400 dpi deep focus Contact Image Sensors for fine image detail, sharpness & accuracy

Close-spaced, 400 dpi 'deep focus' contact image sensors (CIS) combine with years of Colortrac scanner design experience to achieve sharp, finely resolved monochrome & colour images up to 2400 dpi maximum resolution. The scanner's side justified, straight through media path, transports originals through the scanner at 0.1% +/- 1 pixel accuracy.

CIS technology uses a single line monochrome sensor that captures colour images by measuring, in sequence, the intensity of red, green & blue light reflected off the original. This differs from CCD devices that typically use 3 line sensors each with a red, a green or a blue filter and white light to illuminate the original being scanned. SmartLF scans monochrome images simply by using all 3 light sources simultaneously to create white light. This is similar to CCD scanners that have 4 line sensors - R, G, B + monochrome with white fluorescent illumination. The benefit is perfectly registered monochrome pixels with sharper transitions between black & white image details.



Flexible document format up to 44" wide by unlimited length & 40" image width

Scan originals up to 44" (111.8 cm) wide and 0.08" (0.2 cm) thick. The 40" (101.6 cm) image width is ideal for most documents in the AEC, CAD, GIS, archive and reproduction markets – the target users for SmartLF.

Instant scanning from power-on, no stitch, no calibration, no warm-up and no wait!

The CIS integral LED light source is ready to go within 6 seconds from power-on with no warm-up or stabilisation time required. In comparison, fluorescent light tubes used by some CCD scanners can take up to 2 hours to stabilise and the scanner may need re-alignment and re-calibration before use. Even if these operations are automatic, the operator must still be present to load various alignment targets and calibration sheets; eventually the tubes will require replacement by a trained service technician. The CIS technology used in SmartLF requires no time consuming alignment or calibration, gives excellent quality images right after power-on and the light source has a practically unlimited life span. When not in use the scanner can be switched off to conserve energy and is conveniently ready to go - at the flick of a switch.

Innovative, curved document feed tray with improved auto size detection & media handling

Documents are fed in to the scanner from the front, side justified over a gently curved feed tray and detected by reliable, solid state optical sensors. This arrangement provides optimum support and positioning of the original and promotes its smooth passage through the scanner. Auto size detection is rapid using improved techniques that work in-line as the image is scanned. Documents are transported by precision power rollers and 20 offset, dual independently suspended high grip contour rollers. The minimum force necessary is used so that delicate originals are preserved while achieving the required traction & image accuracy. An adjustable pressure plate (paper hold down) maintains the best possible contact between the media and the scan glass to ensure images are pin-sharp, colourful and shadow free. The standard hold down setting is pre-compressed for normal originals with gradually lower pressure settings available for badly dog-eared or flimsy documents such as newsprint. The hold down setting is continuously variable so that the optimum pressure is applied to a given original as it passes over the scan glass. The scan glass is chemically toughened for high impact & scratch resistance – more than 5 times that of normal optical glass. Access to the glass for cleaning is quick and easy via the opening grip-roller cover.

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Compact, space saving design with low power consumption

SmartLF is a stylish, lightweight & portable desktop scanner that will fit easily in any work place environment. If preferred, an optional floor stand is available that minimises the installed footprint of the scanner and positions the media feed tray at the best height for most users. The SmartLF is friendly to our environment using just 24 VA during operation (approximately 10% of the power used by CCD scanners) and even less, 15 VA, when on standby.

Customer installable scanner with plug & play USB 2 and low maintenance operation

High speed 480 Mbits/sec USB 2 plug 'n' play connection, factory set colour calibration and fully automatic sensor alignment simplifies scanner installation, operation and maintenance. No specialist knowledge or skills are required to install or use the scanner other than basic experience with PCs and Windows software applications.

Archiving, Copying or eDistribution is simple, quick and easy with SmartLF ready-to-run software or optional advanced software applications

SmartLF scanners are supplied, ready-to-run, with SmartLF software that provides all the basic functions for saving, copying or emailing large format documents as easily and efficiently as possible – in a single application. For users with more demanding requirements a range of optional software applications are available.

The software product range at a glance...

SmartLF 'ready-to-run' software. Simple, easy to use one touch scan to file, scan to copy, scan to email from the PC or work directly from the scanner's control panel

Each SmartLF scanner comes complete with simple, easy to use *scan to file, scan to copy and scan to email* software designed for operation by non-specialist, but computer literate users. Simply select file, copy or email, the type of original to be scanned and a few other intuitive settings, place the original in the scanner and off you go! As the document is scanned the image is displayed on screen to allow for real-time quality checking and provide reassurance that what you are getting, is what you want. Everything you need to set up and perform occasional scanner maintenance tasks is included in the basic plug 'n' play SmartLF package. The operator can switch between scanner modes in one touch of the scanner's own control panel without using the PC keyboard or mouse. Once the scan mode is selected, optical sensors in the scanner detect new documents and keep SmartLF scanning, copying or emailing until you stop.

Software options for advanced users

For applications where more powerful software tools are required, for example by professional imaging specialists, optional Colortrac and 3rd party software is available to enhance the capability and performance of the SmartLF scanning system.

Archiving applications ~ Professional scan to file

ScanWorks ~ this software allows complete control of the scanning process with additional image enhancement filters, image manipulation functions, high productivity volume batch scanning modes and other features that expand the performance and quality of the digital image capture process. ScanWorks is designed to support flexible workflows tailored to the needs of a given document set or project and to be compatible within corporate electronic document archiving environments.

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ISIS ~ (Image & Scanner Interface Specification) is a technology for connecting high-speed document scanners to electronic document management (EDM) systems and for professional electronic document capture (EDC) applications. Colortrac's ISIS drivers are tested and certified to be ISIS compliant. ISIS applications can access the scanner directly to provide the flexibility of choice benefits of non-proprietary solutions. In other words - professional standard plug 'n' play.

Reproduction applications ~ Professional scan to copy, print from file

CopySmart ~ connect the scanner and it's PC to a large format printer and you have a digital copy system. This software creates a multi-function scan / copy / print system maximising the utilisation of your investment and equipment. Designed with simplicity as a primary objective, CopySmart has a graphical user interface adopting a 'big button' philosophy. Select the number of copies, original size (auto), original type (map, drawing or text), enlarge or reduce, load the original and press the button. However, as in most things, behind the simplicity there is some clever technology that matches the printer, ink & media to provide consistent quality and reproduce the original image detail as accurately as possible. CopySmart uses Colortrac developed printer drivers optimised to produce fast, multi-copy high quality prints direct from the scanner or from saved image files.

Image editing applications ~ Professional raster editing

Preditor ~ is a professional raster editor designed for high speed viewing and editing of large colour, greyscale and B&W images. Image clean-up using extensive 2D area thresholding and selective area thresholding tools with de-skew, de-speckle / hole fill and basic drawing functions are provided. Using TWAIN, Predator can acquire images directly from virtually any type or format size scanner. It is an ideal tool for enterprise wide image capture, viewing, drawing and editing, working equally well with very large or small image sizes.

Approved 3rd party software products ~ Various applications

Colortrac Ltd Approved Software Product (CLASP) ~ is a Colortrac initiated programme to evaluate and test software products from leading independent software vendors (ISVs) to ensure compatibility, functionality and performance with Colortrac scanners. For more information about CLASP and approved ISV products visit our web site http://www.colortrac.com/clasp_main.htm.

Whatever the application, Colortrac SmartLF is an easy to use, customer installable scanner that provides high performance, great images and exceptional value for money ~ *straight out of the box.*

Colortrac SmartLF...

Simple	ingenious
Modular	effective
Archive &	quick
Reproduction	stylish
Technology	clever
For Large Format technical documents	SmartLF

Low cost & high performance - simply the BEST VALUE large format scanner available

About Colortrac ...

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Colortrac Ltd is the *manufacturer of Colortrac & ANAtch LF scanners and software*. We are dedicated to the development of digital image capture and image processing solutions for both colour and monochrome applications which include graphic arts reproduction, architecture and construction, engineering (CAD), Geographical Information Systems (GIS), Electronic Document Management, and Facilities Management. Winners of the Queens Award for Export Achievement in 1999, Colortrac is a British based company with facilities in Cambridge UK, Beijing P.R. China and in Denver CO USA.

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