



CAD and Technical Drawings



Image Enhancement

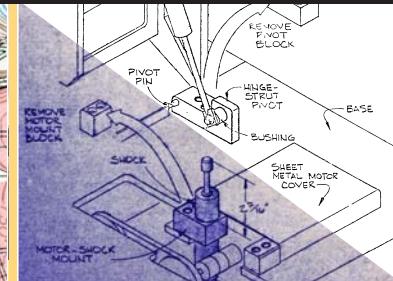


Image Restoration

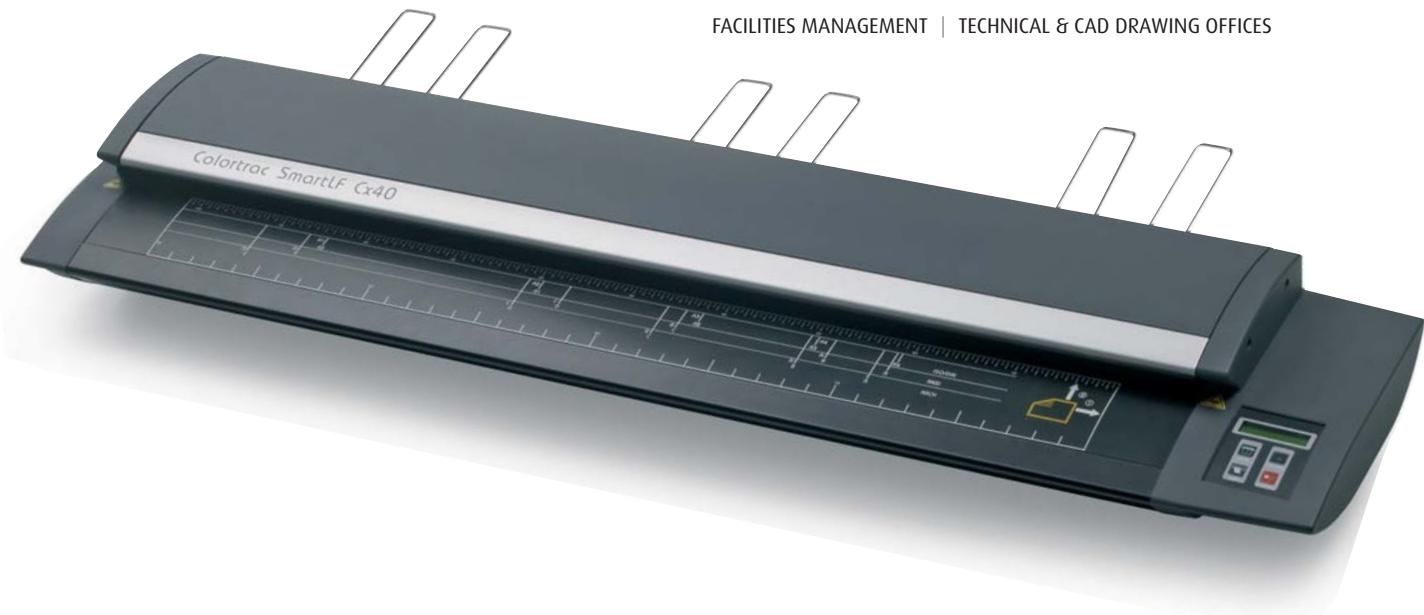


Archived Blueprints

# Colortrac SmartLF Cx 40

Professional SmartLF Scanning Solutions for:

ARCHITECTS | ENGINEERS | CONSTRUCTION | GIS | BUILDING SERVICES  
FACILITIES MANAGEMENT | TECHNICAL & CAD DRAWING OFFICES



- ▶ 600dpi optical with 3600 maximum resolution
- ▶ 40" image width -suits A0, E and architectural E-size scans
- ▶ CIS<sup>1</sup> technology with extra long-life, instant-on LED<sup>2</sup> illumination
- ▶ High speed scans in monochrome, grayscale and color
- ▶ Sharp, fine image detail -superb black & white performance
- ▶ Clean black & white images -excellent grayscale reproduction
- ▶ Reliable paper feed from advanced 2+4 all-wheel-drive
- ▶ Scans media up to 0.08" / 2mm -suits ALL technical documents
- ▶ Superior accuracy, reliability and stitch stability
- ▶ On-site upgrade from monochrome to color and express color
- ▶ Fast, high quality scans from power-on, no warm-up, no waiting!
- ▶ Compact, space saving design with low power consumption
- ▶ Low maintenance costs, plug and play USB2 connectivity
- ▶ Supplied with SmartLF All-in-One Scan and Copy software.

The SmartLF Cx 40 provides fast, high quality scans, copies or file distribution of large format maps, site plans, engineering drawings, blueprints, architectural renderings and many other technical documents.

The SmartLF Cx 40 is an innovative 40" wide format scanner series ideal for the needs of AEC, CAD & GIS professionals and office users in any size of enterprise. Using the latest Contact Image Sensors (CIS) of 600dpi true optical resolution, the SmartLF Cx models provide exceptional high speed monochrome and grayscale scans. Two very affordable color models offer a cost-effective choice of fast or express scanning speeds. All come with Colortrac's best-in-class CIS colour image quality built-in.

**SmartLF Cx 40**

Professional SmartLF Scanning Solutions for ARCHITECTS | ENGINEERS | CONSTRUCTION | GIS | BUILDING SERVICES | FACILITIES MANAGEMENT | TECHNICAL &amp; CAD DRAWING OFFICES

**Because you need large format scanning solutions that work for you:**

- ▶ The Cx 40 includes straightforward SmartLF All-in-One Scan and Copy software
  - ▶ Combines wide format scanning and copying in a single easy to use program
  - ▶ Has full compatibility with wide format printers through standard Windows drivers
- ▶ The acclaimed<sup>2</sup> ScanWorks<sup>3</sup> professional productivity scanning software is an optional extra
  - ▶ Uses "the best"<sup>4</sup> Intelligent Adaptive Thresholding to enhance/restore drawing detail
  - ▶ Its unique one-step scan process is simply the fastest, most productive way to scan

Specification	Cx 40m mono/grayscale	Cx 40c +Color	Cx 40e +Express Color
UPGRADEABLE	m → c m → e	c → e	N/A
OPTICAL RESOLUTION	600 dpi	600 dpi	600 dpi
INTERPOLATED RESOLUTION	3600 dpi	3600 dpi	3600 dpi
MAX SCAN WIDTH	40" (101.6 cm)	40" (101.6 cm)	40" (101.6 cm)
MAX MEDIA WIDTH	44" (111.8 cm)	44" (111.8 cm)	44" (111.8 cm)
MAX MEDIA THICKNESS	0.08" (2 mm)	0.08" (2 mm)	0.08" (2 mm)
ACCURACY	+/-0.1% +/-1 pixel	+/-0.1% +/-1 pixel	+/-0.1% +/-1 pixel
IMAGING TECHNOLOGY	5x Contact Image Sensors (CIS)	5x Contact Image Sensors (CIS)	5x Contact Image Sensors (CIS)
DATA CAPTURE (COLOR/GRAayscale)	16-bit	48-bit/16-bit	48-bit/16-bit
COLOR SPACE	N/A	Normalised/Raw RGB	Normalised/Raw RGB
SCAN SPEED 1-BIT MONO (in/sec) @200 dpi	9.00	9.00	9.00
SCAN SPEED 24-BIT COLOR (in/sec) @200 dpi	N/A	0.75	3.00
PAPER PATH	Face-up, front entry, front exit		
INTERFACE	High Speed USB 2.0/Windows Image Acquisition (WIA)/Still Image Interface (STI)		
POWER REQUIREMENTS	Internal power supply 100~240 VAC autosensing +/-10%, 50-60Hz Scanner power consumption: 27Wh (scanning) / 17 Wh (standby)		
WEIGHT & DIMENSIONS (WxHxD)	73lbs (33 kg) 54.8 x 6.7 x 13" (140 x 17 x 33cm)		
HOST PLATFORM	Windows XP, Windows Vista -32-bit and 64-bit architectures		
CERTIFICATIONS	CB, CE, FCC, UL, RoHS. ENERGY STAR®.		
INCLUDED SOFTWARE	SmartLF All-in-One scan and copy software -supports TIFF, JPEG, PNG & PDF; WIA/STI interface.		
OPTIONAL SOFTWARE	ScanWorks -industry leading scanning software; CopySmart professional scan-to-copy software.		

<sup>1</sup>CIS (Contact Image Sensor). <sup>2</sup>Unlike fluorescent tubes, LEDs only come on when scanning. They have an estimated working-life of 50,000 hours or 6 years scanning 24/7.<sup>3</sup>Colortrac scanning software - "a joy.... provides the best results" Cadalyst (April 2007). For an explanation of scanning terms, see [www.colortrac.com/glossary.htm](http://www.colortrac.com/glossary.htm)

[1 Media wider than 41.5in may exhibit some degradation in the image.] [2 The scan rate is proportional across the full range of resolutions supported by the scanner. Actual scan times will depend on the host system performance. Quoted top speeds maybe limited by the effective bandwidth of the USB2.0 and are not guaranteed for all media types.] [3 Turbo Mode speeds can be twice as fast as regular non-turbo speed ratings but offer virtually no image quality gains over scans made at half the quoted resolution. Turbo mode scanning uses digital software interpolation to double the resolution in the paper direction to simulate higher resolution scanning.] [4 The achieved scan accuracy may vary depending on the operating environment and the type & thickness of media. Colortrac measures accuracy by scanning a paper original printed with a 68.5cm (27in) square target. The pixel co-ordinates of the corner points of the target image are measured and compared with the known dimensions of the original. SmartLF scanners are tested at 20°C +/- 3°C, 60% +/- 10% RH non-condensing.] [5 The maximum resolution & size selectable for an image is limited by the file format specified, the available disk space & the computer operating system.] [6 16 colour RGB (4-bit) adaptive indexed palette images are a feature of the optional Colortrac ScanWorks software.] [7 Microsoft WIA / STI is specified for the USB interface only.] [Colortrac recommends Intel Pentium, Core Duo, Core 2 Duo, HT (Hyper-Threading) and AMD Athlon Dual Core processors, at least 1GB RAM, Gigabit ethernet, USB2 and Windows™ XP Home, Windows™ XP Professional or Windows™ Vista operating systems. SmartLF drivers support 32-bit and 64-bit processor architectures. Contact your supplier for advice on the optimum system configuration for your application.] [Colortrac SmartLF Cx 40 scanners comply with CB, CE, FCC, UL and RoHS standards and regulations.] Colortrac Ltd makes no warranty of any kind with respect to the information contained in this document and reserves the right to change specifications without notice. Colortrac and SmartLF® are trademarks of Colortrac Ltd. All other trademarks are the property of their respective owners. Copyright © 2009 Colortrac Ltd. COLORTRAC SMARTLF WIDE FORMAT SCANNERS ARE DESIGNED AND MANUFACTURED BY COLORTRAC.

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