

Technical Requirements

To ensure the LSR Scanning software will run with adequate performance, please warrant the following MINIMUM specifications are met before contacting technical support.

Hardware/Software

Windows 98 or better Operating System
128 Meg RAM
32Meg Video Memory
40 Gig FREE space on a single hard drive
Network Card or Modem
Internet Explorer v5.5 or better

Scanner

Please see the separate document "Scanner Specifications"

Connectivity

Access to the internet at a minimum of 56 kbps
DSL (1.5 Mbps or better) is recommended but not required

Scanner Specifications

As a general rule, any scanner that can be connect to a computer through a USB, SCSI, or serial interface and uses a TWAIN driver is compatible with the LSR Scanning software. This platform enables a wide variety of scanning and imaging devices to be interfaced with the software; from Multi-purpose copy/scan/print devices to high speed sheet feeding scanners, and of course, wide format scanners.

Wide format scanners

If you have an existing wide format scanner, and are uncertain if it has a TWAIN driver, you can contact the manufacturer. If there is no offer visit the web site www.easytwain.com which will provide you a list of wide format devices that have an after-market TWAIN driver available. This after-market driver supports almost all Contex scanners, and a wide range of Vidar and Oce scanners as well.

If you have an older Contex scanner, and it is not in the EasyTwain list of supported scanners, we may still be able to utilize it, although we offer no warrantee of success, nor technical support beyond initial advise. Contex scanners are divided into 'generations' when considering the internal platform they operate on. All context Generation 5 and higher scanners either have a TWAIN driver as supplied by Contex, or can work with an EasyTwain driver. The LSR Scanning software has some ability to interface with Generation 4 Contex scanners. This aspect of the program has known limitations regarding resolution and length of drawings.

The last option for utilizing a scanner that is not TWAIN compliant is to use the proprietary software that came with the scanner, and then import the images into the LSR Scanning software. This system works adequately, although it does not offer the same level of process control which comes as a result of actually scanning with our software package.

Multi-Purpose scan/print/copy Machines

As is prevalent in many offices today, the traditional photocopier is being replaced by a much more robust machine capable of copying, as well as printing as a network printer, and scanning paper to electronic images. Using these devices is an excellent and efficient means of imaging 11"x17" drawings, as well as field notes and related paperwork. These copier units have two typical ways they provide a scanning interface.

1. The copier unit will have a 'mailbox' concept, whereby you scan your images into a virtual holding area. This can be either on the hard drive in the actual copier, on a network server, or on a workstation you specify. The images are retrieved from the copier 'mailbox' through either a TWAIN driver provided by the copier manufacture or via the import feature of the LSR Scanning software. Canon, HP, and Xerox multi-function units work in this fashion, and all provide PC based TWAIN drivers for acquiring the images from the 'mailbox'. Please refer to the PDF help file provided with the LSR Scanning software for detailed information on settings related to interfacing with multi-function devices.

2. The copier has a twain driver that exposes the multi-function unit as a local scanner. Similar to how a network printer is installed, where the computer cannot tell whether the device is physically attached to itself, or it is being accessed through a network, this type of interface is common for mid-range multi-function devices. Manufacturers such as Lanier use this style of interface. When scanning with a multi-function device with this form of interface, the user will place the paper in the sheet feeder they wish to scan, and then return to their PC. When they click the 'Scan New' button in the LSR Scanning software, the paper on the multi-function machine will start to feed and images will be returned directly to the LSR Scanning software. Again, please refer to the PD help file provided with the LSR Scanning software for detailed information on settings related to interfacing with multi-function devices.

Flatbed and Highspeed Sheet Feeding Scanners

Using these devices is an excellent and efficient means of imaging 11"x17" drawings, as well as field notes and related paperwork. Flatbed scanners are also useful when scanning delicate documents which may be damaged by passing through a roller based wide format scanner. LSR Scanning software is compliant with all known flatbed and sheet feeding document scanners.

All High Speed Sheet Feeding scanners are TWAIN compliant, and the LSR Scanning software is capable of acquiring image data from them at a rate of up to 180 images per minute. LSR Scanning software has been tested with a variety of high speed sheet feeding scanners with no noted issues from any manufacturer. Some scanners available come with both an ISIS and TWAIN scanner. LSR Scanning software is not ISIS compatible.

Supported Wide Format Scanners

Contex wide format	Vidar wide format	GTCO Calcomp	Other
<p>Contex FSC3010 DSP Contex FSC5000 DSP Contex FSC5010 DSP Contex FSC5010 DSP Copy Contex FSC6010 DSP Contex FSC8000 DSP Contex FSC8010 DSP Contex FSC8010 DSP Copy Contex FSC3040 Chroma Contex FSC6040 Chroma Contex FSC8040 Chroma Contex FSC3050 Magnum Contex FSC6050 Magnum Contex FSC8050 Magnum Contex Cougar 25 Contex Cougar 25 Plus Contex Cougar 36 Contex Cougar 36 Plus Contex Chameleon Premier 36 Contex Chameleon Premier 36 Plus Contex Chameleon 25 Contex Chameleon 25 Plus Contex Chameleon 36 Contex Chameleon 36 Plus Contex Crystal Tx 40 Contex Crystal Tx 40 Plus Contex Chroma Tx 40 Contex Chroma Tx 40 Plus Contex Panorama 50 Contex Panorama 50 Plus Contex Premier Tx 36 Contex Premier Tx 36 Plus Contex Chameleon Tx 36 Contex Chameleon Tx 36 Plus Contex Cougar Tx 36 Contex Cougar Tx 36 Plus Contex Magnum XL54 Contex Magnum XL54 Plus</p>	<p>VIDAR TruScan Atlas 600 VIDAR TruScan Atlas II VIDAR TruScan Atlas Plus II VIDAR TruScan Atlas Pro II VIDAR TruScan Designer VIDAR TruScan Flash VIDAR TruScan Flash Plus VIDAR TruScan Select VIDAR TruScan Select A VIDAR TruScan Select B VIDAR TruScan Select Base VIDAR TruScan Select II A VIDAR TruScan Select II B VIDAR TruScan Select II Base VIDAR TruScan Select Plus VIDAR TruScan Select Pro VIDAR TruScan Spectra VIDAR TruScan Surveyor VIDAR TruScan Titan Atlas Base VIDAR TruScan Titan Atlas Plus VIDAR TruScan Titan Atlas Pro VIDAR TruScan Titan Base VIDAR TruScan Titan II VIDAR TruScan Titan Latitude VIDAR TruScan Titan Plus VIDAR TruScan Titan Plus II VIDAR TruScan Titan Pro VIDAR TruScan Titan PRO II</p>	<p>Calcomp ScanPlus IV 536T Calcomp ScanPlus IV 536T PLUS Calcomp ScanPlus IV 625T Calcomp ScanPlus IV 636T Calcomp ScanPlus IV 825CE Calcomp ScanPlus IV 836CE Calcomp ScanPlus IV 625C Calcomp ScanPlus IV 636C Calcomp ScanPlus IV 825C Calcomp ScanPlus IV 836C Calcomp ScanPlus IV 940CE Calcomp ScanPlus IV 940CE PLUS Calcomp ScanPlus IV 740CE Calcomp ScanPlus IV 740CE PLUS Calcomp ScanPlus IV 450T Calcomp ScanPlus IV 850T Calcomp ScanPlus IV 350C Calcomp ScanPlus IV 650C Calcomp ScanPlus IV 850C</p>	<p>Xerox - most but call for details.</p> <p>Xerox scanners can be compliant to TWAIN scanners but are often shipped without the required software to do so.</p> <p>Canon - most, but call for details.</p>