

PREMIER Tx 36"

The two PREMIER Tx 36" scanner models differ in performance and can be easily upgraded with new features for future requirements through the Smart-Card Upgrade Kit.

PREMIER Tx 36 Wide Format Monochrome Scanner Models		BASE	PLUS
Maximum Resolution:	(in dpi)	600	800
Optical Resolution:	(in dpi)	400	400
Scan Accuracy:	0.1% ±1 pixel	✓	✓
Variable Resolution Setting:	from 50 dpi in one dpi increments	✓	✓
Scanning Speed inch/sec.:	(400 dpi turbo, 24-bit RGB) (400 dpi turbo, 8-bit Index) (400 dpi turbo, B/W)	- - 4.0"/s	- - 8.0"/s
Media Maximum Width:	43" (1092 mm.)	✓	✓
Maximum Thickness:	0.6" (15 mm.)	✓	✓
Scan Width:	36" (914 mm.), Scan Length: not limited by scanner	✓	✓
Digital Image Processing embedded in hardware:	Dual 2D-Adaptive Enhancement Dual 2D-Adaptive Gray ADL+ Error Diffusion Halftoning 2D-Sharpening, 2D-Softening and 2D-Blur Filter 2D-Adaptive Thresholding	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓
Scan Modes:	8-bit Graytone Copy modes with grayshades 1-bit black-and-white mode B/W Dual 2D-Adaptive Modes	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓
3C Auto-Maintenance System:	Auto-alignment to fraction of a pixel Auto-stitching to fraction of a pixel Basic calibration Auto monitoring and correction (stitching, black-and-white point)	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓
Sensors:	Double 4-linear CCDs (RGB triplets + Panchromatic BW) 15,000 pixels 14 bits graytone data capture All-Digital cameras	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓
One Touch Scanning:	Scan Copy Email	✓ ✓ ✓	✓ ✓ ✓
Advanced Power Manager:	Temperature control Low power mode Programmable power up timer	✓ ✓ ✓	✓ ✓ ✓
All-Wheel-Drive:	Contour adjustment Precision rollers	✓ ✓	✓ ✓
Light Source:	Color matched fluorescent lamps – Color Rendering Index (CRI) > 95	✓	✓
Optics:	Torsion stabilized for portability	✓	✓
Interface:	FireWire Ultrafast SCSI STI (Still Image Interface) support	✓ ✓ ✓	✓ ✓ ✓
Dimensions:	52.9" wide x 7.3" high x 18.3" deep (1342 x 185 x 465 mm.), Weight: 57 kg	✓	✓
Power:	110/220/240V, 60/50cs, 180W	✓	✓
Interface Board (Included)		✓	✓
WIDSystem Kit (Included):	Drivers, Scan Client application, Maintenance software, Maintenance sheet	✓	✓
Copy Software (Optional):	JETimage ^{NET}	✓	✓
Scan Software (Optional):	WIDEimage ^{NET}	✓	✓
Floor Stand (Optional):	Includes document basket	✓	✓
Thick Media Support Table (Optional):	Floor stand required	✓	✓
Host Platforms:	Windows 98, 98SE, ME, NT4, 2000, XP with SCSI Windows ME, 2000, XP with FireWire Power Macintosh	✓ ✓ ✓	✓ ✓ ✓

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SCANNING TECHNOLOGY

PREMIER Tx 36"

WIDE FORMAT MONOCHROME SCANNERS



COPYING

- Perfect reproduction of grayshades
- 2D-Sharpening/Softening/Blur
- Built-in Basic calibration – black-and-white points

SCANNING

- Quality large format monochrome scanning at an affordable price
- Crisp, clear black-and-white
- 14 bit graytone capture for perfect reproduction of grayshades
- Advanced Image enhancement features
- All-Wheel-Drive with contour adjustment
- Thick originals – up to 0.6"
- 3C Automatic Maintenance System
- Flexible connectivity - FireWire Plug 'n' Play and SCSI
- Scan to PDF format option
- Scan to network, also across the internet

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The Contex PREMIER Tx 36" scanners are designed to give professionals the very best in large format monochrome scanning. The scanner's 36" imaging area handles large engineering drawings, architectural sketches, blueprints, sepias, detailed maps and drawings.

The PREMIER Tx 36" scanners offer top-level image quality at bottom-level prices, making them the perfect cost-effective solution for CAD, AEC and GIS professionals in large and small businesses.

Scanning Superiority

This professional scanner meets all your wide-format scanning needs with high-quality grayscale, and crisp, clear black-and-white. The scanner's 36" imaging area captures originals up to A0/E-size and thus accommodates all your large format scanning requirements.

An image depends on its many graytones to bring out details and give it depth. On the PREMIER Tx 36, graytones are captured at 14 bits for maximum precision, passing the best 8 bits of graytone data to the computer.

The PREMIER Tx 36 uses All-Digital cameras with advanced point-of-origin capture and on-board digital conversion ensuring minimum noise and an extended dynamic range. The scanner's unique four-linear CCD technology, with a special panchromatic line, ensures that no colors are lost when scanning monochrome.

The PREMIER Tx 36 can scan up to 0.6-inch (15mm.) thick originals such as drawings and maps mounted on foamboards, gatorboards etc.

One Touch Scanning

The PREMIER Tx 36's operator's panel is designed with convenient programmable action buttons for initiating common tasks directly from the scanner. Each button immediately activates a scan and opens the image in an appropriate application and format. The scanner comes with action buttons for scanning, copying and e-mailing loaded originals and can be reconfigured for other tasks.

Care for your original

The Contex All-Wheel-Drive with contour adjustment and precision rollers ensures a perfectly straight scanning path without using unnecessary force so you avoid both image distortion and damage to your customer's fragile originals.

Dual shared axels synchronize roller movement to ensure a straight and stable scan path. Suspension components apply pressure evenly across the whole width of the document for an optimal yet delicate hold. The roller's soft-friction contact surface adds the final touch to a system that cares for your original and for your scan results.

Image Enhancement Power

The PREMIER Tx 36's on-board real time 2D-filters for sharpening, softening and blur provide superior results with a wide variety of input images. The PREMIER Tx 36 supports the latest in monochrome scanning technology with Dual 2D-Adaptive enhancement that works simultaneously on foreground, background, edges and other individual aspects of the original so you produce clean, crisp scans even from poor quality drawings. Dual 2D-Adaptive processing is the only pixel level cleanup of its kind in the industry today.

All processing is embedded in the hardware enabling you to per-

form powerful image enhancement without overhead and at speeds incomparable to standard software processing.

Copying Made Easy

Connect the PREMIER Tx 36 scanner with a large-format printer and you get the perfect large format monochrome digital copier. With the scanner's high precision of details and graytones, users can enlarge their creations to full display sizes without losing quality.

Getting the right settings for your copy job is easy. Special copy modes, each fitted to specific original types are supported by the scanner's digital image processing. Dual 2D-Adaptive enhancement and ADL+ error diffusion halftoning produce reliable copies of drawings and photos in which even subtle differences between shades of gray are maintained in the printed output. The unique Contex Dual 2D-Adaptive Gray copy mode gives users clean, clear printed output by taking full advantage of the ink-jet printer's high resolutions.

The PREMIER Tx 36 is the perfect input device for copying of complex drawings and maps in only a few minutes with fully adjustable graytone parameters. JETimage copy software utilizes the scanner's built-in features including image enhancement and copy modes. With JETimage you can print simultaneously on several printers and its straightforward touchscreen user interface and real-time preview



features provide the basis for building high performance copy systems for users with minimal computer skills.

Flexible Connectivity

The PREMIER Tx 36 scanner lets you fit the connection to your immediate needs by offering two interface options - the highly efficient and convenient Plug and Play (PnP) FireWire connection and the industry standard SCSI interface. With the FireWire interface you can get your scanner running with plug-and-play ease while achieving optimal scanning speed. FireWire can accommodate 400 megabits per second, which is highly effective for high volume scanning of large formats. The standard SCSI connection can be used for computers without FireWire support.

Contex scanners protect your investment with support for STI (Still Image Interface) ensuring problem-free compatibility with current and future versions of Windows.

Calibration

A new wide format scanner may come calibrated from the factory, but as time goes by, components and lamps will change character and affect output. With a Contex scanner, your investment is fully protected and you need not worry about degradation. Basic calibration sets black-and-white points on each individual pixel and ensures linearity in both highlight and shadow areas giving noise-free and stable scans. Basic calibration also reduces the unwanted effects caused by dust particles when scanning at high resolutions.

Automatic Scanner Maintenance

The PREMIER Tx 36 scanner incorporates the Contex 3C Auto-Maintenance system that keeps your cameras perfectly aligned, adjusted and calibrated for optimal image quality. The process is automatic - just insert the maintenance sheet and click the wizard's start button. The 3C Auto-Maintenance system aligns and stitches your cameras to a fraction of a pixel giving the highest wide format image precision available.

Once the scanner has been fine-tuned, it performs a number of basic tasks on its own, removing those tedious chores required with other scanner systems. Using patented Contex technology, camera stitching and black-white-points are constantly monitored and corrected while your scanner is running. Contex scanners are designed to let you concentrate on your work and take optimal scanner performance for granted.

Advanced Power Management

Running with the right internal temperature is of utmost importance when doing high-quality scanning through sensitive CCDs. The PREMIER Tx 36 scanner has Advanced Power Management that rapidly brings the scanner to its optimal working temperature, after which the temperature is monitored and held at a minimum level ensuring low CCD noise. The Advanced Power Management system also lets users leave the scanner in low-power mode and program it to power up automatically before they arrive at work so the scanner is ready to scan right away.

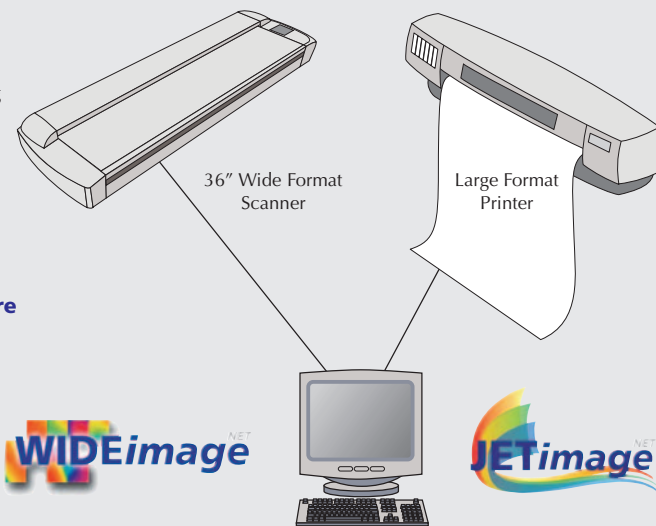
PREMIER Tx 36 Scan and Copy System

SCAN

- High-quality monochrome scanning.
- Effective, fast digital image processing embedded in the hardware.
- Dual 2D-Adaptive image enhancement.
- 2D-sharpening, softening, blur.
- Basic calibration - black-and-white points.
- Automatic maintenance system.

WIDEimage Scanning Software

- Prescan and preview.
- File format conversion.
- Scan to PDF with option for quality settings.
- Scan to network, also across the internet.
- Tonal adjustment controls.
- Rotation & alignment.
- Precision measuring.
- Viewing and zooming.
- Batch scan.
- Fast viewer.
- Post-scanning imaging tools.



COPY

- Perfect results with normal drawings, sepias, blueprints and photos.
- ADL+ error diffusion halftoning for maintaining gray shades in copies.
- Dual 2D-Adaptive Gray.
- Full compatibility with large-format printers.

JETimage Copy Software

- Large-format copying in 5 easy steps.
- Standard presets for common tasks.
- WYSIWYG previewing.
- Real-time previewing of parameter adjustments.
- Collate copy.
- Touchscreen support.
- Nesting, tiling & paneling.
- Accounting.
- Scan to file.
- Scan to PDF with option for quality settings.
- Scan to network, also across the internet.
- Print from file/file lists.
- Copy on parallel printers.