



WE ARE PIONEERING!



PRECISION ENGINEERING PROVIDES
SECURITY AND EFFECTIVENESS

DOCUMENT SCANNERS BY INOTEC

As a German scanner manufacturer, our precision-engineered document scanners provide you with machines of unprecedented reliability for use at one of the most crucial interface points in your business processes.

Our fully-qualified, educated and competent staff is trained to ensure delivery of exciting product and service solutions that will cement and optimize the effectiveness of your national and international business processes.



Long-term business relationships with partners and customers, in conjunction with the transparent cost-effectiveness of InoTec products, facilitate the realization of your goals.

InoTec's SCAMAX® 4x3 opens new dimensions for document capture. The use of innovative technologies ensures reliable, high-performance scanning with even the most difficult documents.

WE ARE NOT ALONE ON PLANET EARTH!

Regardless of where in the world we live, we are part of the human race. As rational thinking and acting people we are acutely aware of our responsibilities to society and the environment that makes our life possible. Mankind and the environment are inseparably linked.

This basic realization has considerable impact on the corporate policy of InoTec GmbH. As a German manufacturer, InoTec complies with some of the strictest regulations for occupational health and safety, employment and environmental protection. Our scanners are built in a resource-friendly way for long life expectancy. Manufacturing takes place under fair, socially-responsible conditions.



**PRECISION ENGINEERING
PROVIDES SECURITY**

PRECISION ENGINEERING PROVIDES EFFECTIVENESS



U N I Q U E

- Gigabit ethernet
Interface with a future.
Fast, safe and uncomplicated.
- TSCP
TouchScreen Communication Panel
Simplifies operation of advanced functions.
- PFC PaperFlowControl
Controls paper flow from the feeder to the output hopper and detects feeding errors.
- Document indexing
Generates user-defined index data during the scanning process and passes the data on to post-processing.
- Intelligent endorser
Prints freely definable information pre- and/or post-scan.
- Bates stamping
Stamps images electronically.

S I M P L E

- Ergonomic
Minimizes operator fatigue because controls are easily reached.

High-contrast touchscreen display ensures excellent screen readability.

Document sequence is always maintained to eliminate post-scan sorting.
- Quiet operation
Ultra-quiet; compact design easily fits into any office environment.
- Ease of use
Intuitive design ensures ease of operation, even after an upgrade.

N O L I M I T S

- Advanced engineering ensures no volume limits
Continuous scanning – 24 hours a day, 7 days a week, 52 weeks a year.
- No service area limits
True worldwide service by InoTec technicians or authorized, factory-trained service partners.

S E C U R E

- Contact feeder
Automatic, safe, reliable and controlled.
- Paper transport
Glassless

Gentle on papers

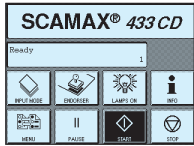
Simple and easy access everywhere.

Reliable processing, even with widely varying documents in the same batch.

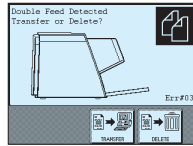
E C O N O M I C A L

- Low operating costs
High lifetime expectancy for any wearing parts.
- Energy saving
Utilizes an energy-saving LED illumination system.

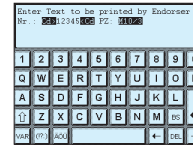
No warm-up time for the lamps; instantly useable upon power on.
- ENERGY STAR
Exceeds Energy Star requirements for energy consumption.
- Maintenance worldwide
Onsite maintenance is provided by authorized service partners.
- Compact green design
Small footprint design saves valuable office space.



Button assignment freely definable.



Full text messages and onscreen graphics (pictograms) provide instant reference.



Input via touchscreen keypad provides indexing and process control.

SELECTABLE

- Scan speed*
 - 90, 120, 150, 170 ppm
 - 180, 240, 300, 340 ipm
- Resolution
 - 150, 200, 300, 400 and 600 dpi
- Image quality
 - Dynamic binarization
 - Selectable gamma correction
- Document feed
 - Auto-feed (batch)
 - Hand-feed with or without paper separation.
- User formats

Document width:	min.	1.1 inches
	max.	12.5 inches
Document length:	min.	2.4 inches
	max.	81.7 inches
- Paper thickness
 - Onion skin (filmsies) to manila folder file covers.
- Image output
 - Bitonal, gray, color* – compressed or uncompressed
 - Multi-resolution from the same image
 - JPEG quality
 - Snipping function
- Color management
 - Supports ICC-profiles
- Double feed control
 - Three ceramic ultrasound sensors, individually controlled across entire document length and across individual document areas.
- Scalable processor performance
 - Demand-orientated image processing

STRUCTURED

- Indexing
 - Event-controlled indexing replaces costly software and reduces throughput times.
 - Utilizes established filing structures; structure can be fully user-defined based on established organization methods.
 - Index trigger – index triggers are activated by patchcode and manual input.
 - User-definable counters, fixed texts and flags.
 - Export capability index values can be easily imported into document management systems.

COMMUNICATIVE

- Operator/machine interface
 - Utilizes easy-to-use TSCP (TouchScreen Communication Panel)
- Language
 - Instructions and error messages are simple to understand and multi-lingual.
- Full text
 - All error messages and screen references are in full text. No coded messages or instructions.
- Pictograms
 - Ensures fast orientation – clear, understandable, intuitive.

OPTIMIZED

- Image enhancement PDT

Perfect Document
 TECHNOLOGY

 - Cropping/deskew
 - Black border removal;
 - bi-cubic deskew;
 - content-based rotation.
 - colerase™ *
 - Digital mixed color filter.
 - coladapt™
 - Dynamic binarization.
 - Scan background
 - Selectable black or white.*
- Optical resolution
 - 600 dpi
- Multi-stream, triple-stream and dual-stream capabilities
- Automatic color detection
 - With configurable settings.
- CCP (Color Calibration Program)
 - Software to calibrate colors using IT8 targets.
- Blank page detection
 - Intelligent, content based.

* depends on options/model

PRECISION ENGINEERING PROVIDES ADDED VALUE



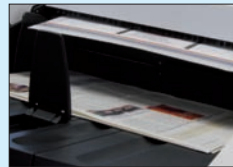
EFFICIENT GIGABIT ETHERNET INTERFACE

Future-proof, robust and industry standard with all computer and operating systems.



BELT PAPER TRANSPORT SYSTEM

Unique belt transport system that does NOT require cleaning, maintenance or replacement.



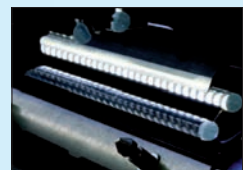
RELIABLE PAPER OUTPUT

via paper pre-former, adjustable side guides and extendable document stop.

Perfect Document TECHNOLOGY

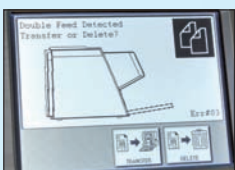
Complete image processing on board (eg: gamma correction; digital color filtering; bi-cubic deskew; cropping; dynamic binarization for perfect black and white images).

PDT also offers: multi-streaming (simultaneous output of color, grayscale and bitonal images); automatic blank page detection; content-based rotation; snipping; automatic or patch-code controlled color detection; and many other functions.



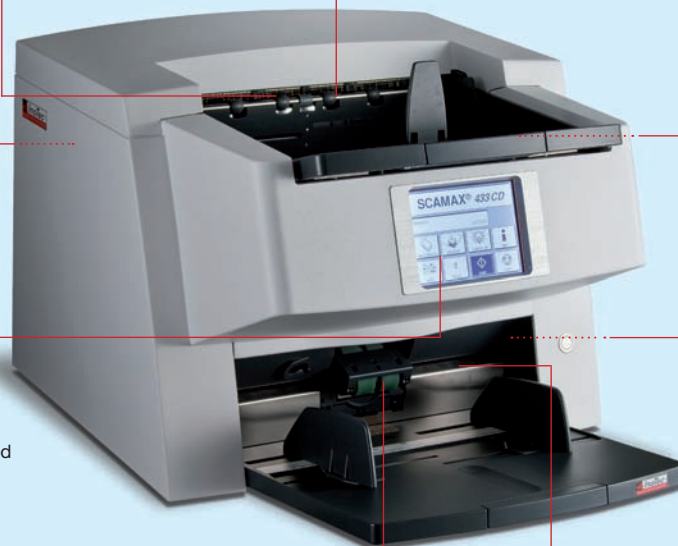
FOCUSING LED ILLUMINATION UNIT

- Extremely low energy consumption with maximum light intensity.
- Life expectancy is equal to the scanner's life expectancy.
- No warm-up time and only minimal heat generation.



TouchScreenCommunicationPanel (TSCP)

Intuitive, simple operation by displaying easily comprehensible pictograms coupled with full text messages.



CONTACT FEEDER

Efficient and reliable document feed – even with very inter-mixed document batches. Minimal wear and tear, low cost, easily replaceable by the user.



GLASSLESS PAPER GUIDE

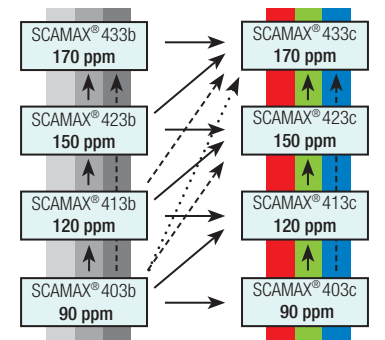
The unique construction of the scan area in SCAMAX document scanners does not need any glass paper guides. Even staples inadvertently left on documents cannot damage the scanner.

SCAMAX® 403/413/423/433 SCAN SPEEDS

Performance grades Scan speed at 200/300 dpi	SCAMAX® 403 bitonal / Color	SCAMAX® 413 bitonal / Color	SCAMAX® 423 bitonal / Color	SCAMAX® 433 bitonal / Color
Simplex A4 landscape	90 ppm	120 ppm	150 ppm	170 ppm
Duplex A4 landscape	180 ipm	240 ipm	300 ipm	340 ipm

The scanning speed is determined by several factors including: paper size; paper surface; type of PC; scan application; etc.

UPGRADE PATH



SCANNER SPECIFICATIONS

Optics / onboard image enhancement

Scan process	CCD linescan camera
Optical resolution	600 dpi
Output resolution	150, 200, 300, 400 and 600 dpi Dual or multi-resolution possible
Output Compression	CCITT Group IV; JPEG or uncompressed output
Lighting system	Focusing LED illumination unit
Binarization	coladapt™ – dynamic with preview facility and pixel filter
Grayscale image	8 bit; 256 gray levels
Color image	24 bit; 16.8 million colors (true color)
Deskew	Bi-cubic deskew, black border removal, content based rotation
Gamma correction	10 bit after 8 bit; 3-level correction (color, black, white)
Color optimization	via CCP (Color Calibration Program)
Color filter standard	RGB color filter (eliminates red, green or blue)
Color filter option	colerace™ – digital mixed color filter with profiles
Indexing	Scan counter and four freely definable, event- controlled counters for document indexing and en- dorsement; integrated patchcode decoder with 15 definable recognition tracks; image marker (flag)

Document processing

Document input	Auto-feed from stack or single sheet feed (hand feed); adjustable paper guides can be set asymme- trically if desired; integrated support for A3 size documents (input hopper plate extension)
Max. stack height	2 inches (approx. 500 sheets with 20 lb. bond paper)
Document width	1.1 inches to 12.5 inches
Document length	2.4 inches to 81.7 inches ^① ; for longer documents scan mode “long document” can be selected
Standard formats	ISO sizes: A3, A4, A5, A6, A7, B4, B5, B6, B7 US sizes: Ledger, Legal, Letter, Executive, Invoice
Max. throughput thickness single sheet	0.05 inch ^②
Document weight	7 to 110 lb bond ^②
Feed process control	Mechanical sheet separation and double-feed control via three ultrasound sensors (can be independently programmed)

Document process control	PaperFlowControl (PFC); electronic length check can be activated
Scan area	Glassless with black scan background
Document output	Adjustable paper guides; can be set asymmetrically if desired; document stop can be tilted for long documents (>A4); paper removal tool
Endorser	Two integrated inkjet endorsers, programmable to print pre-scan on document front and/or post-scan on document back.
Bates stamping	Electronic image stamp
Daily duty cycle	Unlimited

Interfaces

Operation	via graphic TouchScreenCommunicationPanel (TSCP)
Driver	ISIS™, TWAIN
Supported operation systems	Windows 2000, Windows XP, Windows Vista, Windows 7, either 32-Bit or 64-Bit
PC connection	RJ45 gigabit ethernet 10/100/1000 Mbit/s
Service connection	Sub-D connector 9-pin (RS-232) for service cable or foot switch

Technical data

Power consumption	Operating 80 – 160 ^③ watt, sleep mode 3.5 watt
Input voltage	100-240 volt – 50/60 Hz – 2 amp (at 115 volt)
Environment	Temperature: 50 – 95°F Relative humidity: 30 – 80%
Dimensions	Width: 20.1 in. / height: 15.55 in. / depth: 26.98 in.
Weight	86 lbs.
Noise emission	Operating: < 64 ^③ dB (A), standby: < 41 dB (A)

Miscellaneous

Approval certificates	
Options	Digital-mixed color filter (incl. filter generation tool ColErase™); additional image processor modules; white scan background (e.g. for transparencies).
Accessories	Ergonomic work table; foot switch; white calibration paper; cleaning kit; consumables kit; special vacuum cleaner; IT8 reference target.

^① Restrictions in relation to image processing settings and resolution are possible.

^② Maximum paper weight or thickness can vary and ultimately depends on surface condition and the flexibility of the material.

^③ Depending on model.



InoTec GmbH Organisationssysteme
Biedrichstrasse 11
61200 Woelfersheim
Germany

Phone: +49 60 36 97 08-0
Fax: +49 60 36 97 08-15

Internet: <http://www.inotec.eu>
e-mail: info@inotec.eu

InoTec Organisationssysteme Pty Ltd
2/334 Wagga Road
Lavington NSW 2641
Australia

Phone: +61 260 409 325
Fax: +61 260 257 715

e-mail: info@inotec.com.au

Your North American Distributor:



The Crowley Company
5111 Pegasus Court
Suite M
Frederick, MD 21704 USA
Phone: (240) 215-0224
Fax: (240) 215-0234
E-mail: info@thecrowleycompany.com