



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



UNIQUE

- 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.

SIMPLE

- 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.

NO LIMITS

- 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.

SECURE

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

Gentle on papers

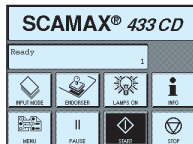
Simple and easy access everywhere.

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

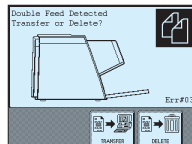
ECONOMICAL

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

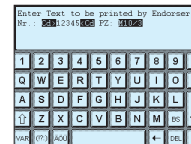
No warm-up time for the lamps; instantly useable upon power on.
- ENERGY STAR
Exceeds Energy Star requirements for energy consumption.
- Maintenance worldwide
Onsite maintenance is provided by authorized service partners.
- Compact green design
Small footprint design saves valuable office space.



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 manage-
ment 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, under-
standable, 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.



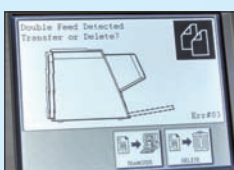
RELIABLE PAPER OUTPUT

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

Perfect Document TECHNOLOGY

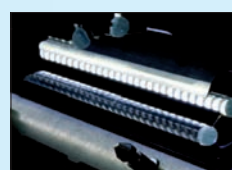
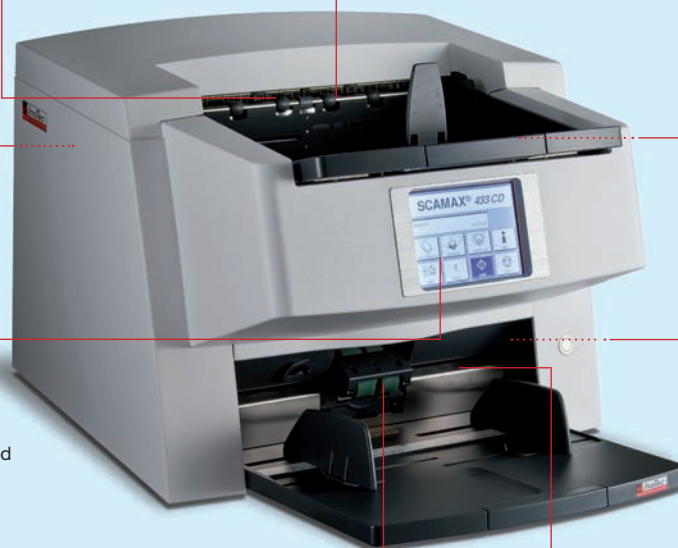
Complete image processing on board (eg: gamma correction; digital color filtering; bi-cubic deskew; cropping; dynamic binarization for perfect black and white images).

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.



TouchScreenCommunicationPanel (TSCP)

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



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.



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

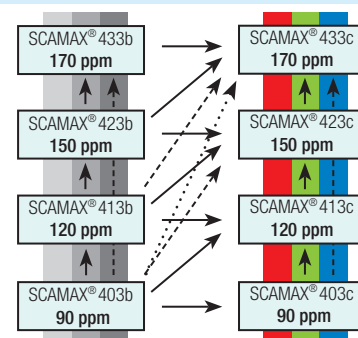
The unique construction of the scan area in SCAMAX document scanners does not need any glass paper guides. Even staples inadvertently left on documents cannot damage the scanner.

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		Document process control	
Scan process	CCD linescan camera	Document output	PaperFlowControl (PFC); electronic length check can be activated
Optical resolution	600 dpi	Scan area	Glassless with black scan background
Output resolution	150, 200, 300, 400 and 600 dpi Dual or multi-resolution possible	Endorser	Adjustable paper guides; can be set asymmetrically if desired; document stop can be tilted for long documents (>A4); paper removal tool
Output Compression	CCITT Group IV; JPEG or uncompressed output	Bates stamping	Two integrated inkjet endorers, programmable to print pre-scan on document front and/or post-scan on document back.
Lighting system	Focusing LED illumination unit	Daily duty cycle	Electronic image stamp
Binarization	coladapt™ – dynamic with preview facility and pixel filter	Interfaces	
Grayscale image	8 bit; 256 gray levels	Operation	via graphic TouchScreenCommunicationPanel (TSCP)
Color image	24 bit; 16.8 million colors (true color)	Driver	ISIS™, TWAIN
Deskew	Bi-cubic deskew, black border removal, content based rotation	Supported operation systems	Windows 2000, Windows XP, Windows Vista, Windows 7, either 32-Bit or 64-Bit
Gamma correction	10 bit after 8 bit; 3-level correction (color, black, white)	PC connection	RJ45 gigabit ethernet 10/100/1000 Mbit/s
Color optimization	via CCP (Color Calibration Program)	Service connection	Sub-D connector 9-pin (RS-232) for service cable or foot switch
Color filter standard	RGB color filter (eliminates red, green or blue)	Technical data	
Color filter option	colerase™ – digital mixed color filter with profiles	Power consumption	Operating 80 – 160 ^③ watt, sleep mode 3.5 watt
Indexing	Scan counter and four freely definable, event-controlled counters for document indexing and endorsement; integrated patchcode decoder with 15 definable recognition tracks; image marker (flag)	Input voltage	100-240 volt – 50/60 Hz – 2 amp (at 115 volt)
Document processing		Environment	Temperature: 50 – 95°F Relative humidity: 30 – 80%
Document input	Auto-feed from stack or single sheet feed (hand feed); adjustable paper guides can be set asymmetrically if desired; integrated support for A3 size documents (input hopper plate extension)	Dimensions	Width: 20.1 in. / height: 15.55 in. / depth: 26.98 in.
Max. stack height	2 inches (approx. 500 sheets with 20 lb. bond paper)	Weight	86 lbs.
Document width	1.1 inches to 12.5 inches	Noise emission	Operating: < 64 ^③ dB (A), standby: < 41 dB (A))
Document length	2.4 inches to 81.7 inches ^① ; for longer documents scan mode “long document” can be selected	Miscellaneous	
Standard formats	ISO sizes: A3, A4, A5, A6, A7, B4, B5, B6, B7 US sizes: Ledger, Legal, Letter, Executive, Invoice	Approval certificates	CE, TCEE, GS, UL, PG, CCC, ENERGY STAR
Max. throughput thickness single sheet	0.05 inch ^②	Options	Digital-mixed color filter (incl. filter generation tool ColErase™); additional image processor modules; white scan background (e.g. for transparencies).
Document weight	7 to 110 lb bond ^②	Accessories	Ergonomic work table; foot switch; white calibration paper; cleaning kit; consumables kit; special vacuum cleaner; IT8 reference target.
Feed process control	Mechanical sheet separation and double-feed control via three ultrasound sensors (can be independently programmed)		

^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.



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