WE ARE PIONEERING!

PRECISION ENGINEERING PROVIDES SECURITY AND EFFECTIVENESS

SCAMAX® powered by InoTec
Being a German scanner manufacturer, our precision engineered reliable document scanners provide you with machines of unprecedented reliability, for use at one of the most crucial interface points in your business processes.

Competent staff, with high levels of education and training, coupled with ongoing focused professional development, ensures delivery of exciting product and service solutions that cement and optimise the effectiveness of your national and international business processes.
Longterm business relationships with partners and customers, in conjunction with the transparent cost effectiveness of InoTec products, facilitate the realisation of your goals.

InoTec’s SCAMAX® 4x3 opens new dimensions of document capture. The use of innovative technologies ensures reliable, high performance scanning even with very 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 realisation has considerable impact on the corporate policy of InoTec GmbH. We like manufacturing in Germany. Even if it is a country with one 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 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 Minimises 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 and compact design easily fits into any office environment.
- Ease of use Intuitive design ensures ease of operation, even after an upgrade.

**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.

**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 authorised, factory trained service partners.

**ECONOMICAL**

- Low operating costs Only few wearing parts with long life expectancy.
- Energy saving Utilises 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 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 binarisation  
  Selectable gamma correction
- Document feed 
  Auto-feed (batch)  
  Hand-feed with or without paper separation.
- User formats 
  Document width:  min. 60 mm  
  max. 317.5 mm  
  Document length:  min. 60 mm  
  max. 2075 mm
- Paper thickness 
  Onion skin (filmes) to Manila folder file covers.
- Image output 
  Bitonal, grey, color* – compressed or uncompressed  
  Multi resolution from the same image  
  JPEG quality  
  Snipping function
- Color management 
  Supports ICC-profiles
- Double feed control 
  Three 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.  
  Utilises established filing structures, structure can be fully user-defined based on established organisation 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.
- Operator/machine interface 
  Utilises easy to use TouchScreen Communication Panel
- Language 
  Instructions and error messages are simple to understand and multilingual.
- Full text 
  All error messages and screen references are in full text. No coded messages or instructions.
- Pictograms 
  Ensures fast orientation – clear, understandable, intuitive.

**OPTIMISED**
- Image enhancement PDT
  Cropping/deskew  
  Black border removal  
  Bicubic deskew  
  Content based rotation  
  colerase™ *  
  Digital mixed color filter  
  coladapt™  
  Dynamic binarisation  
  Scan background  
  Selectable black or white.*
- Optical resolution 
  600 dpi
- Multistream, triplestream and dualstream 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

**COMMUNICATIVE**
- Indexing
- Operator/machine interface
- Language
- Full text
- Pictograms

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* depends on options/model
RELIABLE PAPER OUTPUT
via paper pre-former, adjustable side guides and extendable document stop.

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.

_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 intermixed document batches. Minimal wear and tear, low cost and 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.

FOCUSBNG LED ILLUMINATION UNIT
■ Extremely low energy consumption with maximum light intensity.
■ Life expectancy is equal to the scanners life expectancy.
■ No warm-up time and only minimal heat generation.

Perfect Document Technology
Complete image processing on board, e.g. gamma correction, digital color filtering, bicubic deskew, cropping and dynamic binarisation for perfect black & white images.
In addition, PDT offers functions like multistreaming (simultaneous output of color, greyscale and bitonal images), automatic blank page detection, content based rotation, snipping, automatic or patch-code controlled color detection and much more...
Restrictions in relation to image processing settings and resolution are possible.

Maximum paper weight or thickness can vary and ultimately depend on surface condition and the flexibility of the material!

Depending on model.

**SCAMAX® 403/413/423/433 SCAN SPEEDS**

<table>
<thead>
<tr>
<th>Scan speed at 200/300 dpi</th>
<th>Performance grades</th>
<th>SCAMAX® 403</th>
<th>SCAMAX® 413</th>
<th>SCAMAX® 423</th>
<th>SCAMAX® 433</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simplex</td>
<td>A4 landscape</td>
<td>90 ppm</td>
<td>120 ppm</td>
<td>150 ppm</td>
<td>170 ppm</td>
</tr>
<tr>
<td>Duplex</td>
<td>A4 landscape</td>
<td>180 ipm</td>
<td>240 ipm</td>
<td>300 ipm</td>
<td>340 ipm</td>
</tr>
</tbody>
</table>

Scanning speed is influenced by several factors. Some of these are the actual paper size and surface, as well as the PC being used (amount of memory and processor speed) and the scan application itself.

**SCAMAX® 403c**

- 90 ppm

**SCAMAX® 413c**

- 120 ppm

**SCAMAX® 423c**

- 150 ppm

**SCAMAX® 433c**

- 170 ppm

**SCAMAX® 403b**

- 90 ppm

**SCAMAX® 423b**

- 150 ppm

**SCAMAX® 433b**

- 170 ppm

**SCAMAX® 413b**

- 120 ppm

**Technical specification subject to change without notice.**

**UPGRADE PATH**

PaperFlowControl (PFC), electronic length check can be activated

Glassless with black scan background

Adjustable paper guides, can be set asymmetrical if desired, document stop can be tilted for long documents (>A4), paper removal tool

Two integrated inkjet endorsers, programmable to print pre-scan on document front and/or post-scan on document back.

Electronic image stamp

unlimited

**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 (also with ICC Profile) or uncompressed output
- Lighting system
  - Focusing LED illumination unit
- Binarisation
  - coladapt™ – dynamic with preview facility and pixel filter
- Grayscale image
  - 8 bit, 256 grey levels
- Color image
  - 24 bit, 16,8 million colors (true color)
- Deskew
  - Bicubic 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
  - colerase™ – digital mixed color filter with profiles
- Indexing
  - Scan counter and 4 freely defineable, event controlled counters for document indexing and endorsement; integrated patchcode decoder with 15 defineable recognition tracks, image marker (flag)

**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 asymmetrical 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

**Interfacing**

- Operation
  - via graphic TouchScreenCommunicationPanel (TSCP)
- Driver
  - ISIS™, TWAIN, WIA
- Supported operation systems
  - Windows XP, Windows Vista, Windows 7, either 32-Bit or 64-Bit and Windows 8.x, Windows 10
- 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 W Watt, sleep mode < 3.5 Watt, standby < 0.5 Watt
- Input voltage
  - 100-240 volt – 50/60 Hz – 2 amp (at 115 volt)
- Environment
  - Temperature: 10 – 35°C, relative humidity: 30 – 80%
- Dimensions
  - width: 510 mm / height: 365 mm / depth: 650 mm
- Weight
  - 39 kg
- Noise emission
  - operating: < 64 dB (A), standby: < 41 dB (A)

**Miscellaneous**

- Options
  - Digital mixed color filter (incl. filter generation tool CoErase™), 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 depend on surface condition and the flexibility of the material!

3 Depending on model.