MASS DIGITIZATION SYSTEM

SCANROBOT 2.0 MDS

YES WE SCAN

Advantages

- automatic, semi-automatic & manual mode
- fast & gentle scanning at 2.500 pages / hour
- integrated workflow for the most efficient daily throughput
- best image quality due to the patented prism technology

TREVENTUS
MECHATRONICS

ADVANTAGES

of the book scanner ScanRobot® 2.0 MDS

Scanning speed & economy

- automatic (up to 2500 pph)
- semi-automatic (up to 1000 pph)
- single scan (manual mode up to 350 pph)
- fast image treatment software
- low maintenance (suitable for 24h shift operation)

Patented capturing technology

- distortion free up to the book fold
- 60 degree opening angle
- no glass plates and
- no clamps or fingers needed to flatten the pages
- optical 300/400 dpi
- equal and maximum resolution at all formats

The ScanRobot® can scan every page with the exact, equal and maximum resolution – independent of the book size, thickness and the paper quality – absolutely distortion-free up to the book fold without using any dangerous glass plates, clamps, fingers or similar items to flatten the pages for an optimal scanning result.

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IMAGE QUALITY

of the book scanner ScanRobot® 2.0 MDS
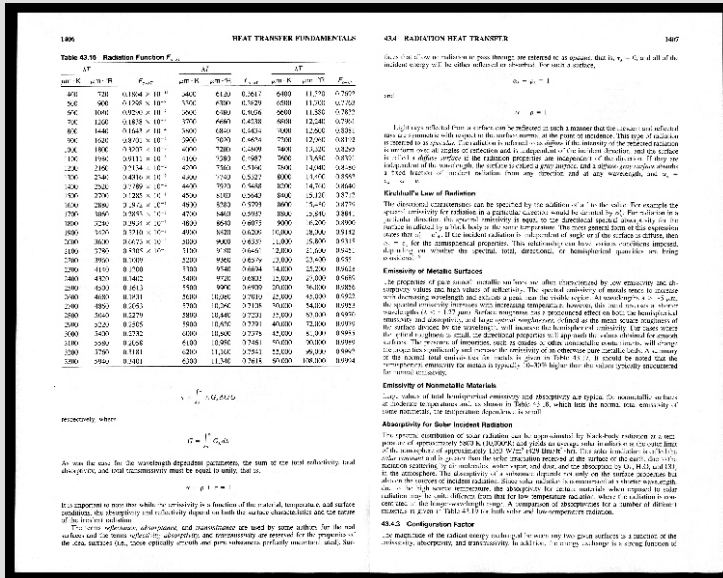
ScanRobot® - scan result

Image description

- no distortions
- no curves
- no waves
- exact page margin scan
- perfect illumination
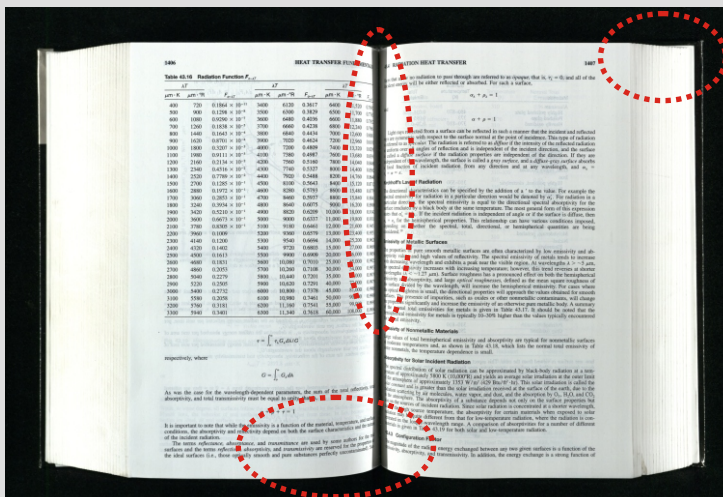
Other devices - scan result

Image description

- distortions
- curves
- no exact page margin
- inhomogeneous illumination

Upcoming challenges

- page cropping
- changing page sizes
- more post processing
- uncertain OCR results

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UNIVERSAL, GENTLE & ROBUST

ScanRobot® 2.0 MDS

Universal - suitable for any bound material

Gentle - suitable for books from the 14th century till now

- opening angle 60° - no overstretching
- pressure free and
- touch free page turning by air flow
- LED lightning without any exposure
  to heat, infrared or UV

Robust - low maintenance

- suitable for 24h-shift operation
- only one moving part
- high quality industrial components
- customer proven

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SCANGATE™

capturing, image treatment & job management software

Advantages

- easy and intuitive
- fast quality control functions
- high speed image treatment
- efficient and simple job administration
- integrated ICC colour management
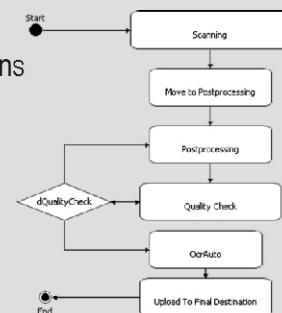- applicable for different scanners

Please find more information about ScanGate™ in the separate product folder.

SCANFLOW™ LOCAL

workflow software

Advantages

- creating of an individual workflow for fast post processing
- automatic background processing like image treatment functions
- included pre-defined „customer proved workflows"
- automated import of external images
- automated interaction with the OCR-engine
- increasing the throughput

Please find more information about ScanFlow™ LOCAL in the separate product folder.

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SPECIFICATIONS & SCOPE OF DELIVERY

of the book scanner ScanRobot® 2.0 MDS

Specifications

• **Speed**	up to 2,500 pages/hour* (automatic mode)
	up to 1,000 pages/hour* (semi-automatic mode)
• **Page turning**	automatic with process monitoring (incl. double sheet control) or semi-automatic and manual
• **Aperture angle**	60 degrees (steplessly adjustable between 60 and 100 degrees)
• **Lightning**	user- and book-friendly LED lightning (without any exposure to heat, IR or UV)
• **Resolution**	constant and independent of the page format
	optical 300 dpi (included)
	optical 400 dpi (optional)
• **Colour depth**	30-bit
• **Image types**	colour, greyscale, b&w
• **Page format**	minimum 5 x 8 cm (1.97 x 3.15 in)
	maximum 29 x 32 cm (11.42 x 12.6 in)
• **Book thickness**	up to 14 cm (5.5 in)
• **Paper thickness**	40 g/m² to 260 g/m²
• **Paper quality**	all pages, also acid damaged and wavy pages
• **Covers**	all covers (soft and rigid)
• **Book age**	14th century up to now
• **Storage formats**	jpg, jpg2000, tiff, tiff G4, png, gif, bmp, pdf (incl. OCR layer), XML, DjVu
• **Dimensions**	l/w/h (without monitor): 0,78 x 0,78 x 1,90 m (30.7 x 30.7 x 74.8 in)
• **Weight**	260 kg (573 lbs)

* The page speed can vary depending on paper quality, book size and the book condition in general.

Scope of delivery

- 1 pc   Automatic book scanner ScanRobot® 2.0 (300 dpi standard, 400dpi optional)
- 1 pc   Single-scan book scanner Plustek OpticBook A300
- 1 pc   Control Computer System (high-end PC-workstation)
- 1 pc   EIZO 22" widescreen monitor (colour calibrated)
- 1 pc   Integrated holder for monitor, keyboard and mouse
- 1 pc   ScanGate™ - capturing, treatment & management software (in many languages)
- 1 pc   ScanFlow™ LOCAL - worklow software

OPTIONAL: various OCR and WORKFLOW software packages

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SCANROBOT® 2.0 MDS
MASS DIGITIZATION SYSTEM

Customer feedback

"The ScanRobot® can scan almost any types of book, binding or paper (e.g. Leather-covered wooden bindings, flexible parchment bindings, cardboard bindings, thick, thin or rigid paper)."
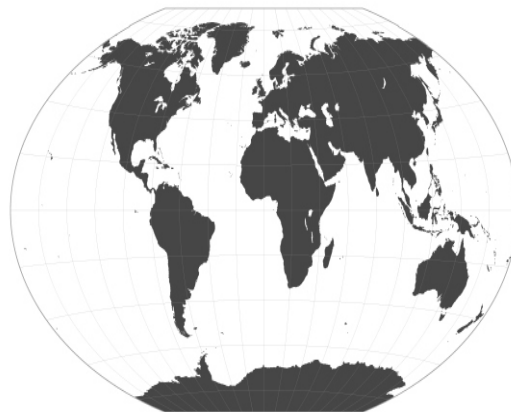
The Bavarian State Library

"Treventus Mechatronics GmbH submitted a tender that offers some very clear advantages. [...] The evaluation group's assessment is that no other supplier can match the tender from Treventus Mechatronics GmbH."

Swedish tender evaluation committee (8 specialists)

"The unique image-taking and page-turning technique of the ScanRobot® shows its benefits in particular with thick books. [...] the pages can be scanned [...] absolutely distortion-free and without any shadows [...] up to just a few mm into the fold."

Digitization Center Regensburg

**WORLDWIDE ESTABLISHED
IN OVER 30 COUNTRIES**

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SEPTEMBER 2010

Design and specifications are subject to change without prior notice.

PRODUCT FAMILY

ScanRobot® 2.0 MDS

MASS DIGITIZATION SYSTEM

Advantages

- automatic, semi-automatic & manual mode
- fast & gentle scanning at 2.500 pages / hour
- integrated workflow for the most efficient daily net-throughput
- best image quality due to the patented prism technology

ScanGate™

...the capturing, treatment & management software

Advantages

- easy and intuitive
- fast quality control functions
- high speed image treatment
- efficient and simple job administration
- integrated ICC colour management
- applicable for different scanners

...with integrated workflow software
ScanFlow™ LOCAL

ScanFlow™

...your software solution for workflow & production

Advantages

- efficient organisation and coordination of all resources
- minimizing of the personnel costs (=cost reduction)
- comprehensive and fast quality control functions
- increasing the throughput
- increasing the output quality
- minimizing of (human) errors
- monitoring of all processes
- extensive statistical evaluation tools for the projects

Product range: ScanFlow™ LITE
ScanFlow™ ADVANCED

Nainuwa™

NAINUWA™
open your Mind

Dynamic
Digital
Collection
Viewer

Advantages

- innovative image displaying
- intuitive search and sort functions
- fast and efficient image loading
- stepless zooming
- enjoyable view feeling
- browser based application

Awards

03/2007: Winner of the European ICT Grand Prize

06/2006: Innovation prize of the Theodor Kery foundation

12/2005: 1st place in Genius Innovation Award 2005

THE EUROPEAN ICT PRIZE
GRAND PRIZE WINNER