

MASS DIGITIZATION SYSTEM



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



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. The scans are 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.

IMAGE QUALITY

of the book scanner ScanRobot® 2.0 MDS

ScanRobot® - scan result

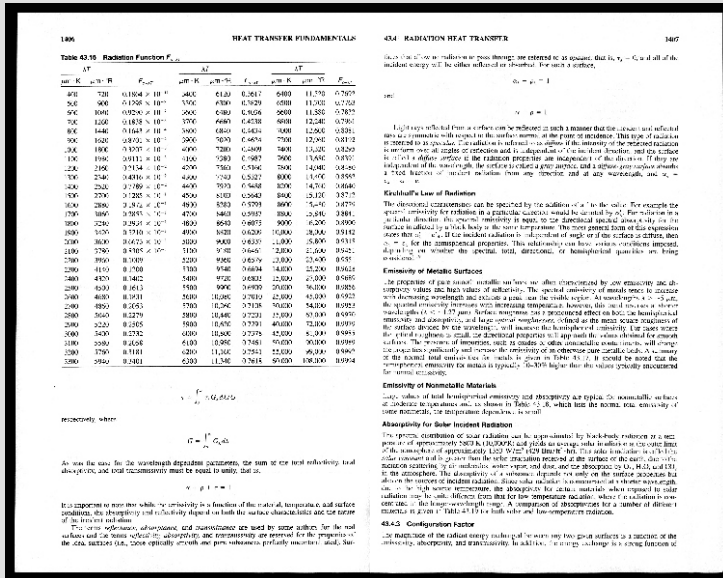


Image description

- no distortions
- no curves
- no waves
- exact page margin scan
- perfect illumination

Other devices - scan result

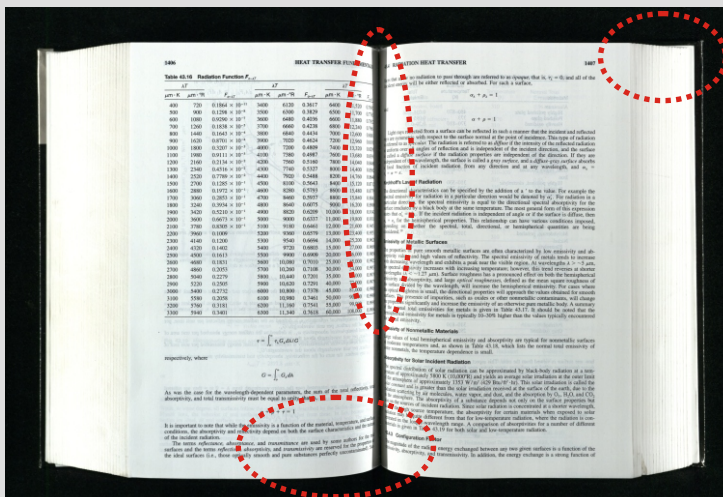


Image description

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

Upcoming challenges

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

UNIVERSAL, GENTLE & ROBUST

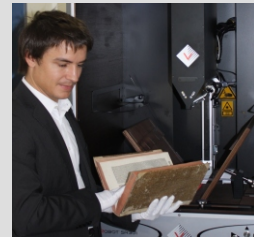
ScanRobot® 2.0 MDS

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 radiation of heat, infrared or UV



Robust - low maintenance

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



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



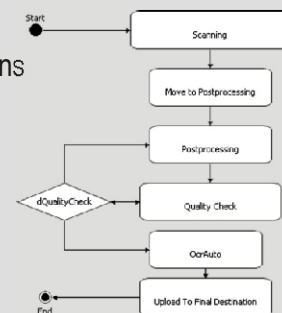
Please find more information about ScanGate™ in the separate product folder.

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.

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** (scanning area) minimum (2 times): 5 x 5 cm (1.97 x 1.97 in)
maximum (2 times): 32 x 32 cm (12.6 x 12.6 in)
- **Book size** (maximum) 35.5 x 35.5 cm (13.98 x 13.98 in)
- **Book thickness** up to 15 cm (5.91 in)
- **Paper thickness** no restrictions
(recommended spectrum: 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, jpeg2000, 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 (flatbed A3)
- 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 - workflow software

OPTIONAL: various OCR and WORKFLOW software packages

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

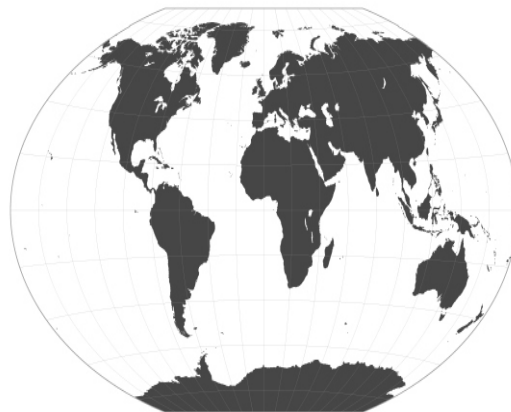
“Treventus Mechatronics GmbH submitted a tender that offers some very clear advantages. [...] The evaluation group’s assessment is that no other supplier can match the tender from Treventus Mechatronics GmbH.”

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**



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 rat-throughout
- best image quality due to the patented prism technology

YES WE CAN



TREVENTUS
PSC AUSTRIA G

...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

YES WE CAN



...with integrated workflow software
SCANFLOW™ LOCAL

TREVENTUS
PSC AUSTRIA G

...your software solution for workflow & production

Advantages

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

Product range:
SCANFLOW™ LOCAL
SCANFLOW™ LITE
SCANFLOW™ ADVANCED

YES WE CAN



TREVENTUS
PSC AUSTRIA G

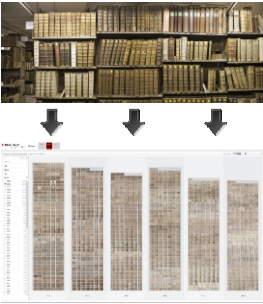
NAINUWA™
open your Mind

Dynamic Digital Collection Viewer

Advantages

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

YES WE CAN



TREVENTUS
PSC AUSTRIA G



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

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