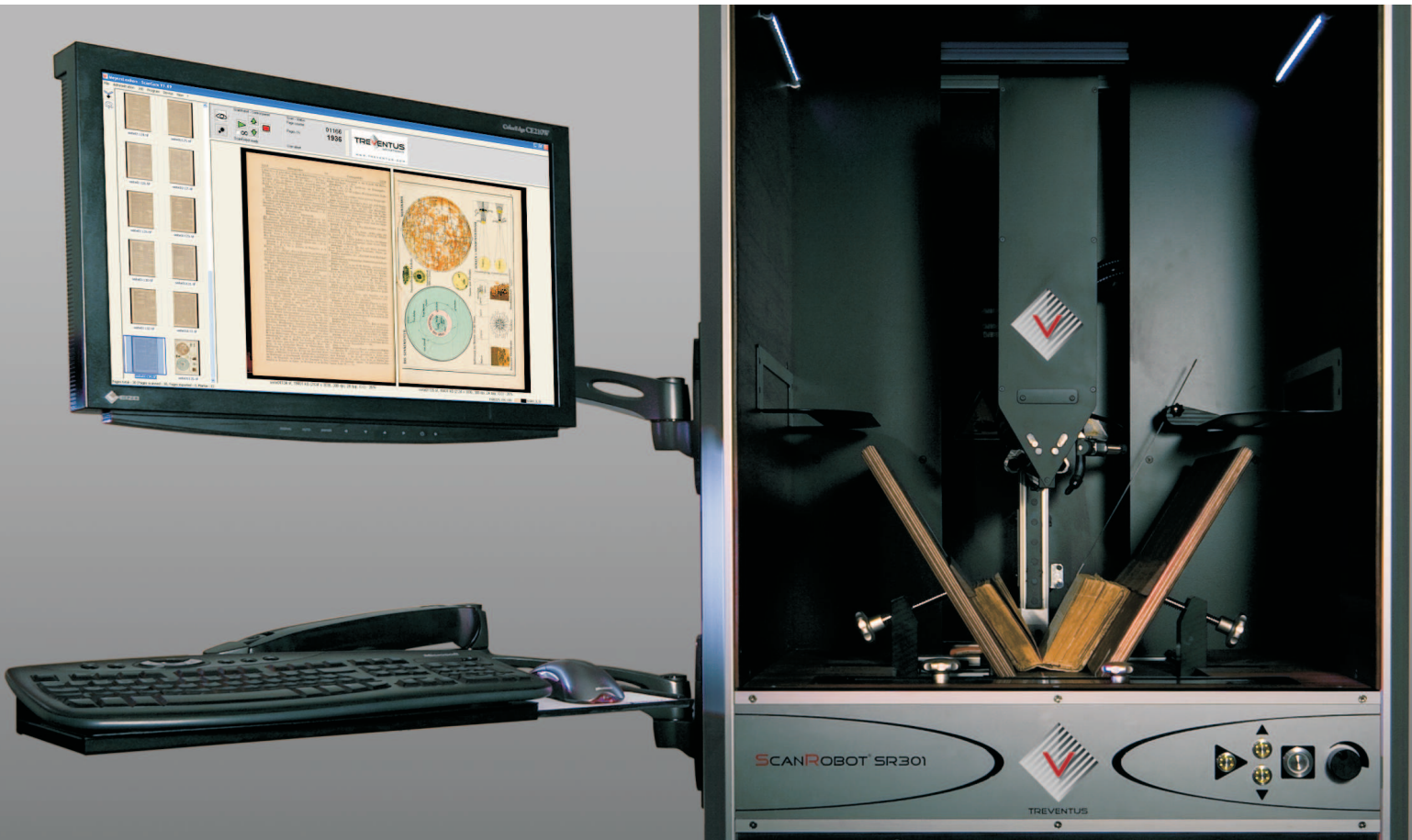


SCANROBOT® SR301

more efficient mass digitization

Advantages

- most gentle book handling due to 60° opening angle
- suitable for any bound material
- high-speed page flipping
- distortion-free scanning up to the book fold
- intelligent workflow management



SCANROBOT® SR301

automatic book scanner

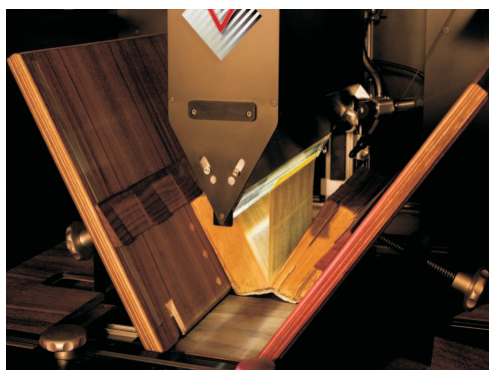
Specifications

- **Speed** up to 2,500 pages/hour*
- **Page turning** automatic with process monitoring (incl. double sheet control) and automatic book cradle alignment
- **Aperture angle** 60 degrees (steplessly adjustable between 60 and 100 degrees)
- **Lightning** user- and book- friendly LED lightning
- **Resolution** 300 dpi (constant and format-independent)
- **Colour depth** 30-bit
- **Image types** colour, greyscale, B&W
- **Storage formats** jpg, jpeg2000, tiff, tiff G4, png, gif, bmp, pdf (incl. OCR layer), XML
- **Page formats** minimum 8 x 11cm (3.15 in to 4.33 in)
maximum 29 x 32 cm (11.42 in to 12.6 in)
- **Book thickness** up to 12 cm (4.7 in)
- **Paper thickness** 40 g/m² to 260 g/m²
- **Dimensions** l/w/h (without monitor): 0,8 x 0,8 x 1,92 (31.5 x 31.5 x 75.6 in)

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

Unique image capturing system (patented prism technology)

The book scanner ScanRobot® has been developed for the mass digitization of huge book inventories. The book scanner scans two pages at once and turns the pages automatically after scanning at a rate of up to 2,500 pages/hour.



It's patented scanning technology of the ScanRobot® allows absolutely distortion free images and the gentle and cost effective digitization of books and any other bound documents.

The modular design of the book scanner allows easy adaptation to specific customer requirements. Due to the unique and simple concept this book scanner is specially suited for libraries and archives as well as for large digitisation projects.

- constant 300 dpi at every point of the image (also in the corners)
- no smoothing through software necessary
- no distortions
- no curves and
- no waves in the images



"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

Capturing, treatment & management software

Advantages

- real-time view of scanned images
- simple and intuitive user interface
- efficient post-processing tools
- powerful image processing functions
- applicable for different scanners
- customer proved workflow management



Software features

- controlling & management of the ScanRobot®
- one single-software for different scanning systems
- quality check of the images parallel to the scan process in real-time
- input of meta data the during scan process
- comprehensive image treatment functions (see beside)
- storage formats: jpg, jpeg2000, tiff, tiff G4, png, gif, bmp, pdf/a, pdf (incl. OCR layer), XML, doc, rtf, csv, plain text
- automatic and manual post-processing functions
- import of external images into the scan-Job
- text recognition (OCR) for more than 170 languages as well as OCR for Gothic script and musical notations (optional)

Data & Workflow management

- efficient job management developed for mass digitization
- integrated workflow-features (e.g. Automated job-processing)
- meta data management
- barcode supported book handling

Image treatment functions

- cropping
- deskewing
- background homogenization
- background removing
- image extrapolation
- CLI scripts
- PDF tools (PDF files combination, splitting...)
- format conversions
- resizing
- brightness/contrast adaption
- levels adaption
- unsharp masking
- powerful metadata viewer
- powerful import functions
- page combination
- page splitting

Design and specifications are subject to change without prior notice.

“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.”

University Library, Digitization Center Regensburg

ADVANTAGES

of the book scanner ScanRobot®

Gentle and stable page turning

The intelligent air-flow system turns the pages in the most gentle way and has - compared to other systems - no problems with spontaneously closing books. The turning process is done without opening the book more than 60 degrees which prevents over-stretching and damage to the spine of the book.

Robust & low maintainance

The ScanRobot® is a high end product exclusively built with industrial-proved components combined with book friendly materials. This - and due to only one moving part - ensures extremely low maintenance and makes the ScanRobot® suitable for 24h-shift operation.

Experiences out of more than 30 ScanRobot® in use have approved that.

Patented capturing technology

The patented prism technology combined with the unique image capturing system of the ScanRobot® allows to scan every page with the exact, equal and maximum resolution - no matter if the book is small, big, thin or thick.

Real-time view

The operator sees the scans the moment they are made so that the quality control can be done simultaneous and without any delay. Therefore no time is wasted which reduces the time of the whole digitizing process to a minimum.

No glass plates needed

Due to the unique prism technology, combined with the automatic book cradle alignment, the ScanRobot® is the only system on the market that manages to scan every page - independent of the book thickness and the paper quality - absolutely distortion-free up to the book fold without using any dangerous glass plates like other scanning systems.

No clamps or fingers

The ScanRobot® does not need any clamps, fingers or similar items to flatten the pages for an optimal scanning result. Therefore the pages are originally captured without any clamps in the scanned picture. Within other scanning systems on the market these "clamp-artefacts" have to be retouched in the post processing.

One workflow for all systems

With the ScanGate™ software you can handle and treat all images - also from other scanning systems. So there is no need in learning and of course buying different software solutions for the post-processing.



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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