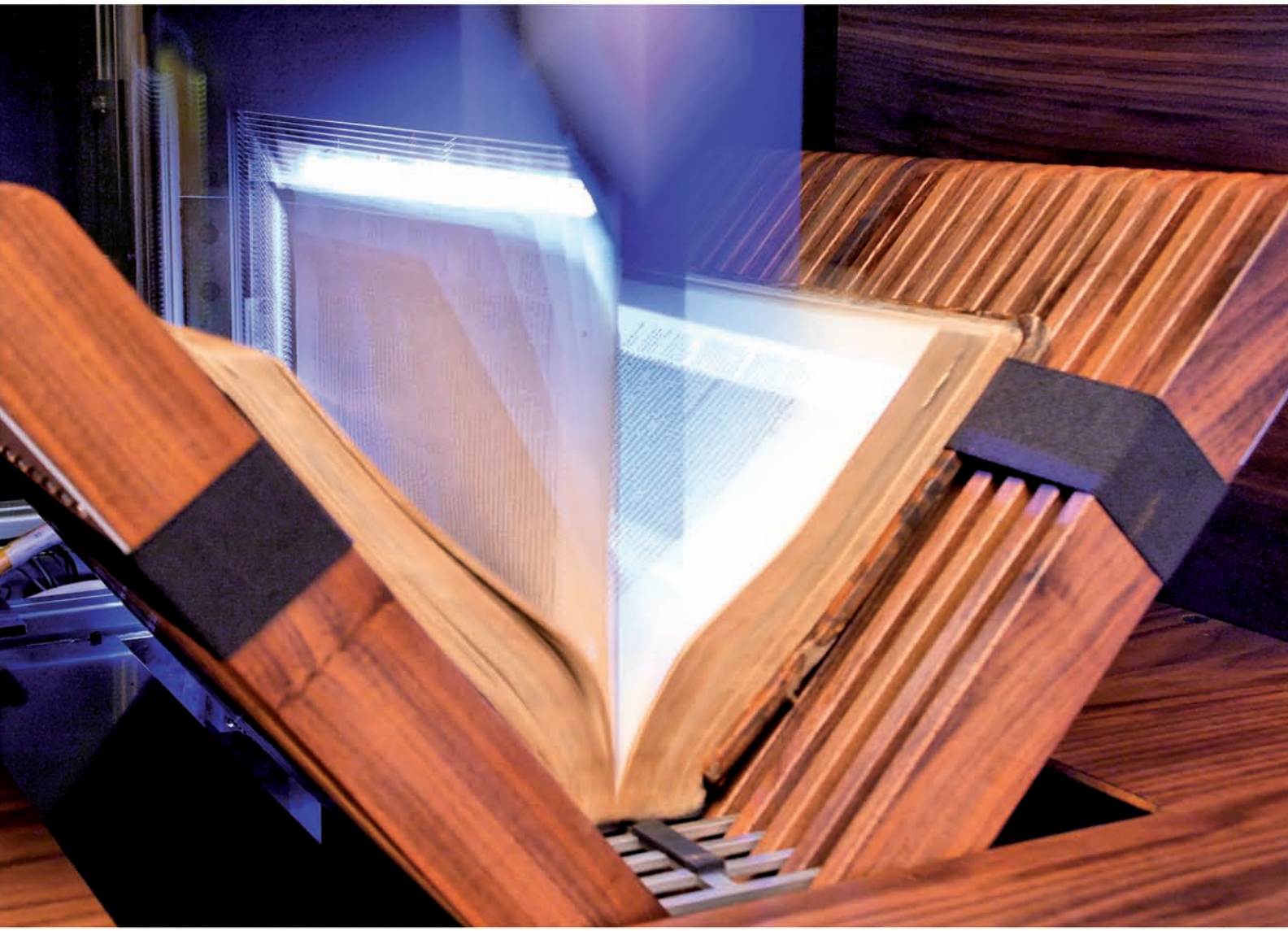
SCANROBOT®

The automatic book scanner



TREVENTUS MECHATRONICS

Innovative, efficient, gentle and globally unique

Turn over a new leaf . . .

Mass digitization

With the new, automatic ScanRobot® book scanner, it is possible for the first time to complete projects of mass digitization, both efficiently and at an economically reasonable price.

Innovative

The innovative scanning technology enables the automatic scanning of books from the 15th century to the present. Books with different paper densities, porosities and varying textures can be scanned simply, safely and extremely gently.

Gentle

The book is opened only slightly for scanning (the opening angle is approx. 60 degrees) which prevents overstretching and damage to the spine of the book.

Distortion-free

Thanks to the unique prism technology, combined with automatic book cradle alignment, every scan – independent of the book thickness – is distortion-free up to the book binding.

Text recognition (OCR)

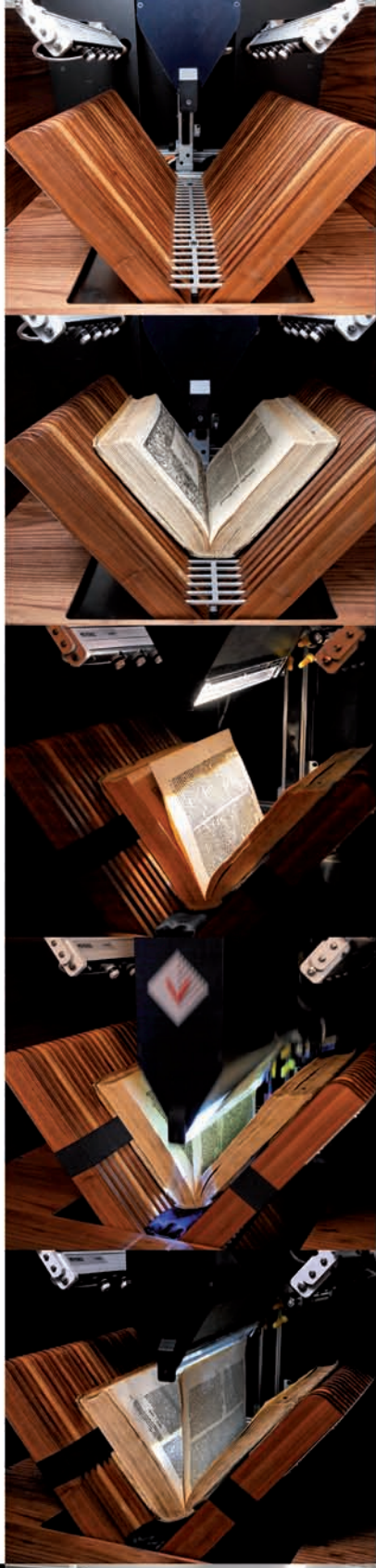
Distortion-free scanning of the book pages ensures that automatic conversion into readable text („Optical Character Recognition“ or OCR) can be carried out considerably faster than heretofore and almost error-free.

Illumination

The illumination (LED cold light) developed by Treventus enables glare-free scanning without any exposure to heat, infrared or UV. Unlike conventional procedures, the exposure to light is only for a few milliseconds, thereby reducing the entire light exposure for the book to a previously unattainable minimum.

Robust & low maintenance

The solid comprehensive solution and the use of high quality industrial components make the ScanRobot® suitable for 24h-shift operation. A minimum of movable, mechanical parts ensures extremely low maintenance.



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Advantages at a glance:

- Gentle book handling due to 60° opening angle
- Distortion-free scanning up to the book binding
- Automatic book cradle alignment
- No prolonged light exposure – for book and user
- Economic – 8x faster scanning than manual scanning
- Universal – suitable for even the most difficult book stocks
- “Made in Austria” quality


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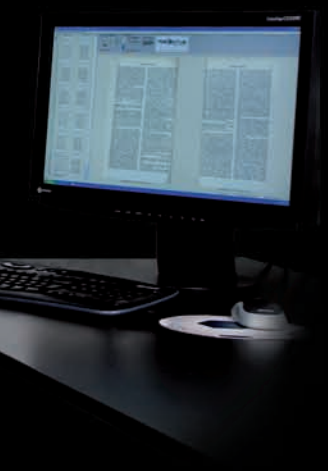

ScanRobot® SR300 book scanner Technical specifications:

Speed:	up to 2,500 pages/hour*
Opening angel:	60 degree (continuosly adjustable between 60 and 100 degree)
Page tuning:	automatic with process monitoring (incl. double sheet control)
Resolution:	300 dpi (constant and format-independent)
Colour Depth:	30-bit
Image types:	colour, greyscale, B&W
Page formats:	height from 11 cm (4.3 in) to 32 cm (12.6 in), width from 8 cm (3.2 in) to 30 cm (11.8 in)
Book thickness:	up to 12 cm (4.7 in)
Paper thickness:	60 g/m² to 240 g/m²
Dimensions:	LxWxH (without monitor): 0.8 x 0.8 x 1.92 m (31.5 x 31.5 x 75.6 in)

* The page speed can vary depending on paper quality and book width.

ScanGate™ software Features:

- Control of the book scanner
- Quality control of the results in real time
- Automatic monitoring of the scan process
- Efficient job management, developed for mass digitization
- Input of meta data during operation
- Extensive processing functions for the scanned pages
- Barcode support
- External image files can be imported into the scan job at any time
- Output of meta data in XML
- Storage formats: jpg, tiff, png, gif, bmp, pdf (all formats can be stored simultaneously)
- Text recognition (OCR) for more than 170 languages as well as OCR of Gothic script and musical notations (optional)

Delivery includes:

- ScanRobot® SR300 book scanner
- High-end PC workstation
- EIZO 21“ wide screen monitor TFT (colour calibrated ex works)
- Compact monitor carrier system incl. keyboard, mouse and PC holder
- Barcode reader (optional)
- ScanGate™ scanning software
- Installation of the ScanRobot® and on-site personnel training
- Packaging and insured transport
- All-inclusive maintenance & service

Design and specifications subject to change without prior notice.

ScanRobot® SR300

TREVENTUS MECHATRONICS

Reference customers & development partners:

- Bavarian State Library (BSB)
- University Library of Innsbruck (UBI)
- Göttingen Digitizing Center (GDZ)
- Graz University Library (UBG)
- Vienna University of Technology Library (UBTUW)

The particularly gentle book scanning and page turning process was developed and optimised in close collaboration with the German Institute for book and handwriting restoration (IBR) and the Munich Digitisation Centre (MDZ) of the BSB.

Awards for the ScanRobot®:

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

TREVENTUS Mechatronics GmbH
Development, production & marketing
of mechatronic solutions

Phorusgasse 8
A-1040 Vienna, AUSTRIA
Phone: +43 1 890 35 10
Fax: +43 1 890 35 10-15
E-Mail: office@treventus.com
www.treventus.com