

# SOMOHANO USA LLC



# High-performance book scanning solutions

## Broadest product range in the market



...present at > 1400 libraries & archives:



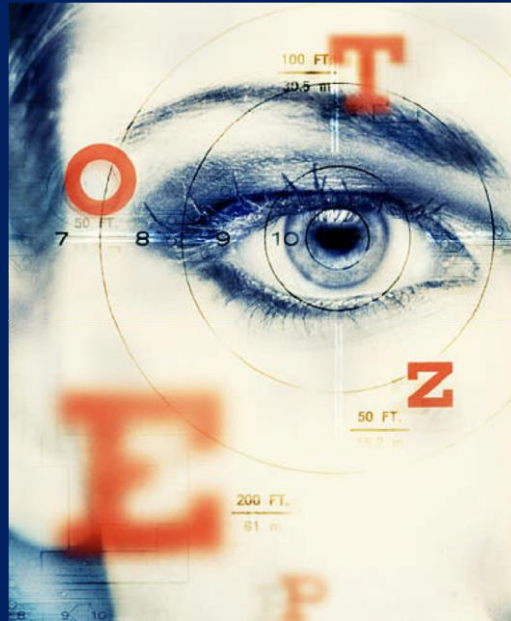
## Manufactured by ■ MICROBOX



MICROBOX as the producer of equipment has in-house skills in the areas of

- Line sensor technology
- CCD single shot technology
- CMOS single shot technology
- Software
- PCB board design
- Optics
- Mechanics & special book holding techniques

## ■ MICROBOX business fields



- Scanning Technology
- Nano-Laser Plotting Technology
- Image Processing
- Image Enhancement

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## Benefits

- **Cycle time of only 3.3 sec / 0.7 sec** incl. image enhancement  
⇒ high productivity of > 2000 pages/h ►
- **5 inch focus depth**  
⇒ even on different height levels (e.g. book curve) all information is captured without any difference in quality (glass plate and book cradles become less important) ►
- **Best color reproduction**
- **Improved signal to noise relation**  
⇒ OCR recognition does work much better and faster
- **No maintenance**  
⇒ software service can be done remote

## spirit & spirit plus

- Designed as a replacement technology for copiers



- Scanning speed: 0.2 seconds
- Cycle time : 0.7 sec. (incl. image enhancement)
- Unrivalled price performance ratio
- Scan area 351 mm x 488 mm (A3+)
- 200 dpi or 300 dpi
- Embedded PC with 15" touch screen
- Life preview
- Depth of focus 7,6 cm
- Scan to USB memory stick





# kiosk



- 300 or 400dpi
- Scan area: 610 mm x 458 mm (> A2)
- 0.3 seconds scan speed
- 3.3 sec. cycle time )including image enhancement)
- 5 inch focus depth
- Out-of-the-box solution
- Best color reproduction
- Best signal to noise relation  
= better & faster OCR
- Easy to use multilingual user interface
- Connections for further functions (e.g. printing, pay card etc)
- Full feature software package
- Maintenance-free



## Kiosk II



### Improvements:

- 19" Monitor

Advantage:

The Monitor can be used for QA

- High-performance PC

Advantage:

The PC is capable for self-service & production

Improved cycle time

# Ultra



- 300 or 400dpi
- Scan area: 610 mm x 458 mm (> A2)
- Motorized book cradle for books up to 12 cm thickness
- Self-opening glass plate
- Auto-pressure adjustment with pressure sensors for a particularly gentle treatment of books
- 0.3 seconds scan speed
- 5 inch focus depth
- Out-of-the-box solution
- Best colour reproduction
- Best signal to noise relation = better & faster OCR
- Easy to use multilingual user interface
- Full feature software package
- Maintenance-free

## A3 light



- 400dpi
- Scan area: 458 x 343 mm (> A3)
- 0.3 seconds scan speed
- 5 inch focus depth
- Out-of-the-box solution
- Best colour reproduction
- Best signal to noise relation = better & faster OCR
- Easy to use multilingual user interface
- Connections for further functions (e.g. printing, pay card etc)
- Full feature software package
- Maintenance-free

# Flash



... the fastest A1 book scanner worldwide.

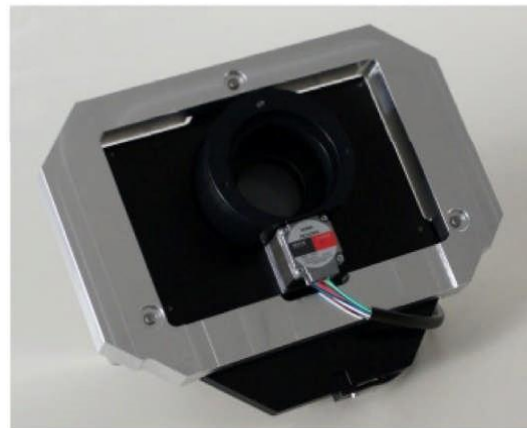
## Large format book scanning



- High volume projects
  - productivity gets more important
  - The book cradle and glass plate need to be designed in a way to support the operator as good as possible
- Converting database to a knowledgebase to get access to the content of the newspapers (e.g. for historical research)
  - OCR required
  - Creation of Metadata required (indexing)

## Streamline your project with flash

The flash enables you to streamline the whole workflow of your digitization project:



*camera head book2net flash*

- **Fastest A1+ book scanner worldwide:**
  - 0.4 sec scanning speed
  - 3.3 sec cycle time per double page (incl. image enhancement & saving)
- **3-5 times faster than any other A1+ book scanner**  
**> 30 % savings on personnel costs**
- **Best signal-to-noise-relation**
  - Faster post-processing
  - OCR works better and faster
  - Smaller file size
- **Long-term reliability - downtimes belong to the past:**
  - **book2net flash requires no mechanics** except for a **rotary shutter** which has a **LE of 300 Mio. Cycles**

## Productivity

To keep productivity flash is providing the best operator support:



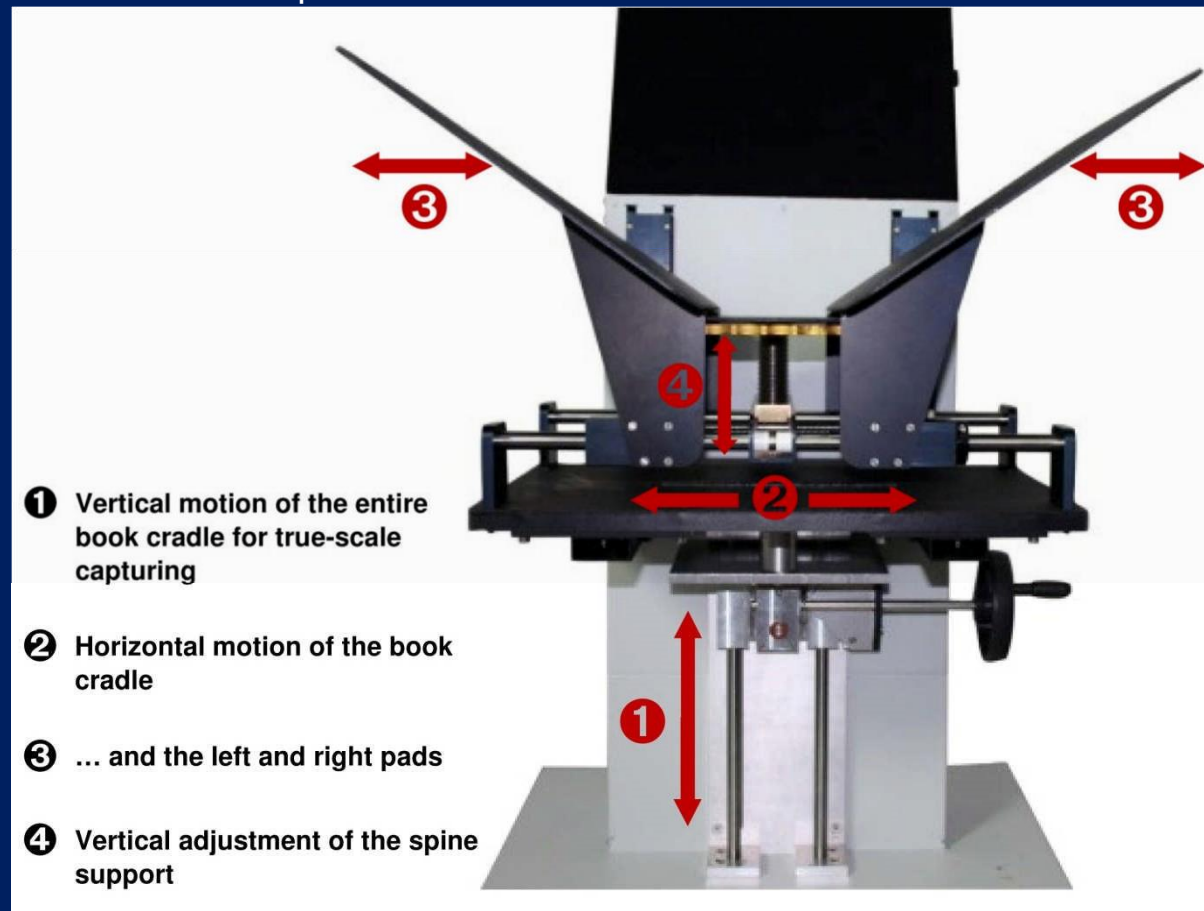
- **Adjustable working level**
- **Exceptionally easy handling of the book cradle**
  - **the cradle of the book2net flash can be adjusted** to the perfect focus level **within seconds**
  - **The glass plate opens automatically and can be easily locked in an upright position if not required**
- **Low light emission**
- **No noise emission**





## True-scale capturing

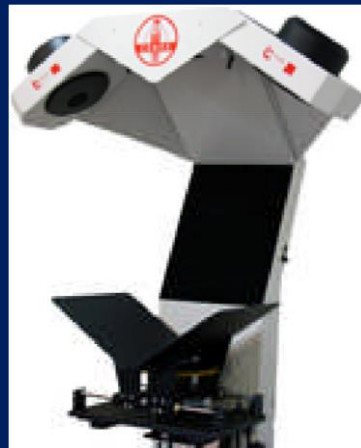
Since every book is unique and differs concerning its thickness. Therefore the height compensation of the book cradle is mandatory to ensure that your collection will be captured true-scale.



# Flexible book & page holding solutions

In order to meet the preservation policy cobra offers a wide range of different book & page holding options:

Comfort line



Semi-robotic



Customized



## Illumination

### Less is more!

**The cobra is the only system** available on the market that offers the opportunity to adjust the illumination according to your preservation policy. The intensity of the light resp. **color temperature can be reduced down to 2000 Lux**



**Let shine your treasures in a special light!**

**The cobra offers the opportunity** to add additional daylight lamps in order to **optimize the lightning** to specific requirements.