



**cobra [A1/A2]**

**HIGH-END SEMIROBOTIC V-SCANNER**



**cobra [A1/A2]**

**Only the best for  
your valuable  
collections**

## **LED-LIGHTING**

- Dual illumination unit individually or synchronously controllable
- Cold light LEDs
- Fresnel lenses
- Uniform illumination
- Stable wave length
- Light intensity  $\leq 2.500$  Lux
- Lighting time  $\leq 0.6$  sec.
- $> 3$  years lifespan

## **DUAL LED-LIGHTING SYSTEM**

- UV/IR free (according to EN60825-1)
- glare-free
- low energy consumption  $< 100$  VA
- Stability of color temperature
- Longevity (10.000 working hours)

## **FRESNEL LENSES**

- Even illumination with soft margin areas
- Infinitely variable adjustment of the beam angle

## **SOFTWARE**

Software und Features:

- Live Video
- EasyScan Professional
- EasyScan OCR (optional)



The scanning of old, valuable book collections such as illuminated manuscripts and incunabula poses particular demands on the equipment and the operators with regard to care, quality and ergonomics. At the same time, the productivity is becoming increasingly important for the implementation of digitization projects with sensitive and vulnerable templates.

With the **book2net Cobra A1/A2** we have developed a high-performance machine with PLC-controlled precision drive that ensures an extremely gentle digitization and meets the ergonomic requirements in combination with an high productivity. The conservational book cradle with variable pressure sensitivity, the modular lighting unit and the programmable control modules make the **book2net Cobra A1/A2** to a uniquely flexible scanning system that can be precisely adjusted to the specific requirements of your precious books!

## HIGH-PERFORMANCE SENSOR

- Dual sensor technology
- Selectable options: 400 dpi / 600 dpi
- 0.3 sec. Scanning time (2 x A2 Color @ 400 dpi)
- 3.5 sec. Processing time (scanning – imaging – storage)
- USB 3.0 Interface
- Optimized for OCR applications due to reduced noise

## OPTICS

- Schneider precision lens
- Long-term durability
- Depth of field 8 cm
- Optical book-fold optimization
- Brilliant color reproduction
- Perfect linearity
- Distortion-free

## SEMI ROBOTICS

- SPS control
- High-precision linear drive 1/100 mm exact
- Variable control: fully automatic / semi-automatic / manual / time controlled / action-controlled / user-controlled
- Programmable scanning processes
- Book size-dependant traverse paths
- Process-controlled pressure
- Sensitive, fully electronic pressure control

## V-SHAPE GLASS PLATE

- Preserves originals
- Self-opening & -closing
- Process-controlled glass plate
- Book size-dependant traverse paths
- Adjustable pressure sensitivity
- Sensitive, fully electronic pressure control
- Non-reflecting glass (museum glass optional)

## BOOK CRADLE

- 110° opening angle
- Height adjustment up to 15 cm (optional up to 25 cm)
- Spine exemption up to 10 cm in width (optional 20 cm)
- Spine exemption up to 8 cm in depth
- Profile lifting column for precise height adjustment
- Load capacity 180 kg
- Variable coating on requirement
- Preservation approved

## ECO-FRIENDLY

- No UV / IR radiation
- No heat load
- Low noise emission
- Low-Energy-Control (LEC)
- Power consumption: Standby: 95 VA  
Operation: 170 VA

Integrated True Color Management according to Metamorfoze, DFG, FADGI standards regarding color quality, resolution, noise, and linearity.

# TECHNICAL DATA

## Matrix Sensor Technology

Sensor:	2 high-performance area sensors (dual technology)
Optics:	Schneider precision lenses
Shutter:	no shutter mechanics
Lighting:	Cold light LED-Technology with integrated Light-Control-System (LCS)
Resolution:	400 dpi / 600 dpi
Depth of field:	8 cm
Scanning time:	0.3 seconds for A2 Color at 400 dpi
Processing time:	3.5 sec. (scanning + imaging + storing)
Layout section:	2 x 635 mm x 451 mm (>A1) 2 x 462 mm x 328 (>A2)
PC Interface:	USB 3.0
Software:	Easy Scan Professional intuitive professional software with advanced functionalities for job management, imaging- and post processing
Color depth:	48 Bit color; 24 Bit color, 16 Bit grey, 8 Bit grey; 1 Bit B/W
File formats:	TIFF, JPEG, JPEG 2000, PDF, PDF-A, Multipage PDF and Multipage TIFF
Output:	sRGB, Adobe 1998 RGB, eciRGB V1/V2, Wide Gammut, ProPhoto and according to ICC standard
Dimensions:	700 x 860 x 1900 mm (W x D x H)
Weight:	ca. 125 kg
Connection values:	100 V - 240 V, 47 Hz - 63 Hz
Power consumption:	Standby 50 VA, in operation 100 VA
Safety standard:	CE

Remote maintainance possible.  
Technical data subject to change.

