Easy Scan Professional

DIGIFLO
DIGITAL ARCHIVAL SOLUTIONS

Cobra [A1+] X
V-Scan semi-robotic

The intuitive graphical user-interface
... individually adaptable to your requirements!

Easy Scan Easy Scan is exceptionally intuitive and easy to use. The user interface can be customized according to your specific requirements just by enabling or disabling features. All configuration parameters are visible at a glance, without unnecessary branching into endless sub-menus. Finger removal, type-area and page recognition, automatic cutting and straightening and book-fold optimization are performed by *Easy Scan* in the range of milliseconds. *Easy Scan* **OCR** is accessible for more than 120 languages and allows the fast and easy generation of searchable or editable documents by pressing either in single-page mode or in job mode.

The Expert Mode *Easy Scan Professional* enables intelligent job processing with the functions of job creation, job storage, job continuation and job post processing. Routines for error prevention and intelligent frame-setup are completing the software and ensure a smooth workflow.

The powerful software solution
Streamline your digitization project!

With **DIGIFLO** you will receive a multilingual software package for modeling, controlling and monitoring of complex production processes in the field of mass digitization. Furthermore DIGIFLO offers specially tailored solutions for the specific needs of the newspaper digitization in terms of workflow management, monitoring, image processing, metadata generation, indexing, clipping and OCR recognition. In compliance with industrial standards DIGIFLO is following a strict design- and process modeling to ensure maximum safety and error prevention.

Technical Data

X Matrix Sensor Technology

Sensor:	High-performance area sensor
Optics:	Schneider precision lens
Shutter:	Durable electronic shutter
Lighting source:	Cold light LED technology with integrated Light-Control-System (LCS)
Resolution:	400 dpi / 600 dpi
Depth of field:	8 cm
Layout section:	2 x 610 x 458 mm (>A1)
Scanning time:	0.3 sec. @ 2 x A2 Color @ 400 dpi
Processing time:	3.5 sec. (scanning – imaging – storage!))
PC-Interface:	USB 3.0
Software:	*Easy Scan Professional* Intuitive professional software with advanced functionalities for job management, imaging- and post processing

Image Formats:	Color, grayscale, b/w
Output formats:	TIFF, PDF, JPEG, JPEG 2000
Copyright:	Copyright waiver
Dimensions:	700 x 860 x 1900 mm (W x D x H)
Weight:	approx. 125 kg
Power supply:	100 V - 240 V, 47 Hz - 63 Hz
Power consumption:	Standby 95 VA, Betrieb 170 VA
Noise emission:	ca. 44 dB(A)
Safety standard:	CE EMV
Maintenance:	**remote service available**

X- PLORE YOUR VISION

www.book2net.net

Cobra [A1⁺] ✕ semirobotic
High-End v-shape Book Scanner

book 2net

… the best solution for your rare collections

Optics

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

LED-Illumination

- Dual illumination unit
  - individually or synchronously controlled
- Cold-light LEDs
- Fresnel lenses
- Uniform illumination
- Stabile wave length
- Light intensity <= 2.500 Lux
- Lighting time <= 0.6 sec.
- > 3 years lifespan

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

Environment friendly

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

Grüne Technologie

Color Management C O L O R

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

✕ High-performance-sensors

- 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

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)

Semi-robotic

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

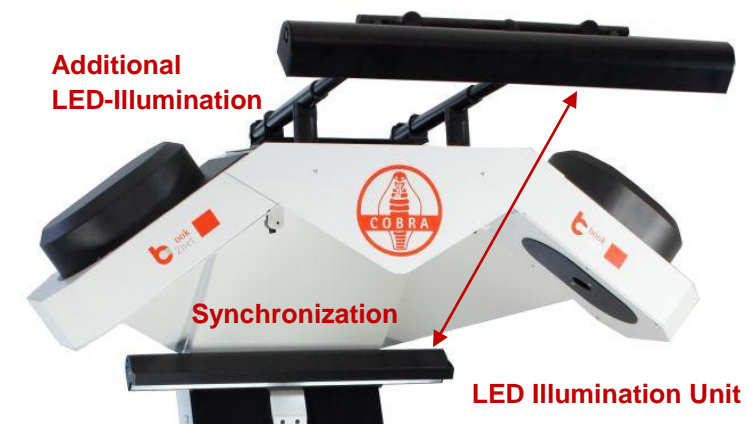## The art of scanning: conservational, ergonomic, productive

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 **Cobra A1** 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 **Cobra A1** to a uniquely flexible scanning system that can **be precisely adjusted to the specific requirements of your precious books!**

Industrial precision components and standards are ensuring **longevity** as well as **sustainability**. The semi-robotic technology with **PLC control** enables a smooth and uniform guidance and adjustment of all movable elements. The book cradle, the pressure sensitivity of the glass plate and the **conservational LED lighting** system **can be precisely adjusted to different formats and structures of the originals within seconds**. Individually programmable scanning processes are supporting a smooth workflow and ensure high user-friendliness. The pioneering ✕ **Matrix Sensor Technology** providing a **depth of field of 8 cm** is a guarantee of a **consistently high quality of the scanning results**.
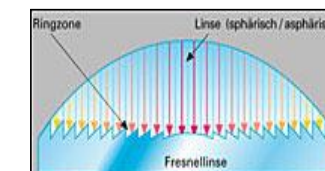
Less is more: Let your treasures shine in a special light!

For the specific requirements for the illumination of heavily textured surfaces, special inks and colors such as gold ground we have developed a **dual LED lighting system**. Due to this lightning concept a shadow- and reflection-free capturing of wavy and curved surfaces is ensured. The light intensity can be adjusted according to the conservation requirements and reduced to down to 2000 lux when needed. The low **lighting time of 0.6 seconds** at a scan speed of 0.3 seconds ensures maximum protection of the originals and ensures an efficient workflow. The dual LED light unit is equipped with high-quality **Fresnel lenses** and an **integrated light control module** for precise synchronization of both light sources.

Additional LED-Illumination

Synchronization

LED Illumination Unit

Dual LED-Illumination Unit

- UV/IR-free (acc. EN60825-1)
- Glare-free
- Low energy consumption < 100 W
- Stable color temperature
- Durable (10.000 working hours)

Fresnel Lenses

- Uniform area illumination with soft edge
- Continuous variable control of the light emission angle