![book2net logo]

hornet [A0]

HIGH-END SEMIROBOTIC SCANNER

Scanning large-format cultural assets such as newspaper volumes, maps, posters or paintings poses particular demands on both 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 originals.

With the **book2net** **Hornet A0** we have developed a high-performance scanner with PLC-controlled precision drive that ensures an extremely gentle digitization and meets the ergonomic requirements in combination with a high productivity. Modular lighting units, variable book cradles and programmable control modules make the **book2net** **Hornet A0** a uniquely flexible scanning system that can be precisely adjusted to the specific requirements of your digitization project!

HIGH-PERFORMANCE SENSOR

- Dual sensor technology
- Selectable options: 300/400 dpi
- 0.3 sec. scanning time (A0 color @ 300 dpi)
- 3.5 sec. processing time (scanning + imaging + storage)
- USB 3.0 Interface
- Optimized for OCR applications

OPTICS

- Schneider precision lens
- Depth of field 8 cm
- Book-fold optimization
- Brilliant color reproduction
- Perfect linearity
- Distortion-free

LED-ILLUMINATION

- Cold-light LEDs (individually or synchronously controllable)
- Light Control System
- Fresnel lenses
- Uniform illumination
- Stabile wave length
- Light intensity <= 2,500 Lux
- Lighting time <= 0.6 sec.
- > 3 years lifespan

MOTORIZED GLASS PLATE

- Preserves originals
- Self-opening & self-closing
- Size-dependent opening angle
- Process-controlled glass plate
- Adjustable pressure sensitivity
- Sensitive, fully electronic pressure control
- Non-reflecting glass (museum glass optional)

BOOK CRADLE

- Motorized book cradle with balancing technology
- Height adjustment up to 25 cm (optional up to 40 cm)
- Spine releaseup to 25 cm
- Double profile lifting column for precise height adjustment
- Load capacity up to 180 kg per column
- Preservation approved

Fixed book table
- Continuous supporting surface
- Special coating on requirement

hornet [A0]
designed for highest requirements

SEMIROBOTICS

- SPS-control
- Highly precise linear actuator
- 1/100 mm precise
- Programmable scanning processes
- Book size dependet traverse paths
- Selectable opening angle
- Process controlled pressure
- Sensitive, fully electronic pressure control
- Variable control:
    - fully automatic
    - semi-automatic
    - manual
    - time controlled
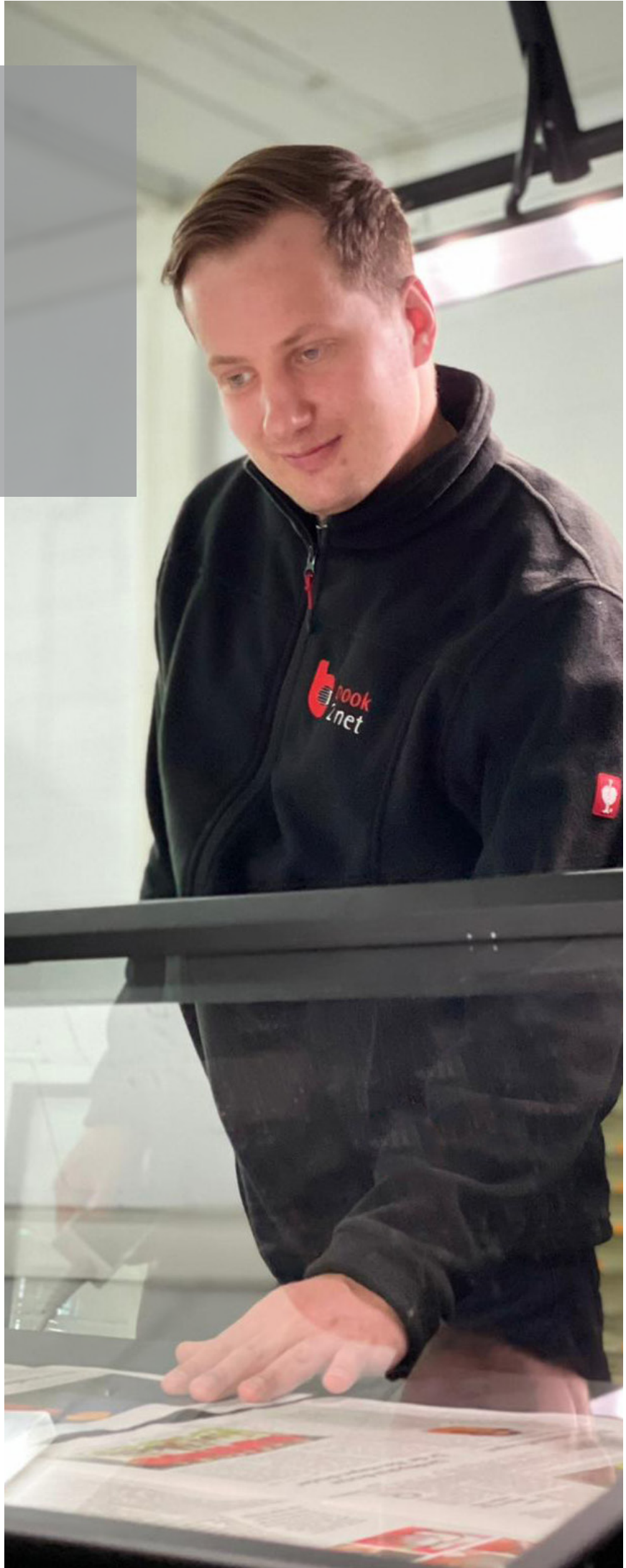   - action controlled
    - user controlled

SOFTWARE

Software and features:
- Live Video Preview
- EasyScan Professional
- EasyScan OCR (optional)

COLOR MANAGEMENT

Integrated True Color Management:
METAMORFOZE, FADGI, ISO/TS
19264:1 2017 standard concerning color
quality, resolution, noise and linearity

TECHNICAL DATA

✕ Matrix Sensor Technology

Sensor:	2 high-performance area sensors (dual technology)
Optics:	Schneider precision lense
Shutter:	No shutter mechanics
Illumination:	Cold light LED technology with integrated Light-Control-System (LCS)
Resolution:	300 dpi / 400 dpi
Depth of field:	8 cm
Scanning time:	0.3 sec. (A0 color @ 300 dpi)
Processing time:	3.5 sec. (scanning + imaging + storage)
Layout section:	858 mm x 1264 mm
PC interface:	USB 3.0
Software:	Easy Scan Professional Intuitive Profi Software with extended functions for job management, Image editing and further processing
Depth of field:	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 according to ICC Standard
Dimensions:	139 cm x 196 cm x 228 cm (W x D x H)
Weight:	ca. 125 kg
Connection values:	100 V - 240 V, 47 Hz - 63 Hz
Energy consumption:	Standby 50 VA, in operation 100 VA
Safety standard:	CE

Remote maintenance possible.
Technical changes reserved.