

## Technical Specifications

<b>Input media size:</b>	611 x 916,4 mm / 24 x 36 inch
<b>Sensor:</b>	CCD area sensor, 40 - 200 million pixel
<b>Sensor dimension:</b>	<u>40 MP sensor:</u> 54,78 mm (diagonal), 7304 x 5478 pixels <u>50 MP sensor:</u> 61,30 mm (diagonal), 8176 x 6132 pixels
<b>Shutter:</b>	Rotary disc shutter (life expectancy 300,000,000 cycles)
<b>Lens:</b>	Rodenstock Rodagon
<b>Focus depth:</b>	Minimum 13cm / 5 inch
<b>Optical resolution:</b>	200 / 400* dpi, 220 / 440* dpi *related to exposure and sensor type
<b>Cycle time:</b>	3.24 seconds per shot
<b>Light source:</b>	Power LEDs 80 VA
<b>Book cradle:</b>	Motorized layout table for books with a spine up to 25 cm and a weight up to 30kg
<b>Glass plate:</b>	Scratch resistant glass plate with pressure sensors
<b>Operating modes:</b>	speed, color, resolution, perfect
<b>Software:</b>	Book Expert with workflow-based image processing including: <ul style="list-style-type: none"><li>• Automatic page recognition</li><li>• Automated page splitting</li><li>• Manual page selection and splitting</li><li>• Automated deskewing</li><li>• Rotation</li><li>• Several filters</li><li>• Changing of resolution</li><li>• Conversion from colour to greyscale / greyscale to binary</li><li>• Saving in several file formats</li><li>• Printing</li></ul>
<b>System requirements:</b>	Microsoft Windows XP Professional (32bit) with SP2, or better Memory: min. 2GB, Hard disc: min. 200 GB
<b>Image file formats:</b>	<u>24-bit:</u> TIFF RAW, LZW, JPEG (monolithic, striped, tiled), PDF Deflate, JPEG, JFIF (JPEG), JPEG 2000 Spec. Part1, Spec. Part2, Windows Bitmap <u>8-bit:</u> TIFF RAW, LZW, JPEG, PackBits (monolithic, striped, tiled), PDF Deflate, JPEG, JFIF (JPEG), JPEG 2000 Spec. Part1, Spec. Part2, Windows Bitmap, RLE8 <u>2-bit:</u> TIFF RAW, LZW, Huffman, G4 CCITT (monolithic, striped, tiled), PDF G4 CCITT, JEDMICS C4, Image Machines TG4, CALS Raster Type 1, Windows Bitmap <u>Multipage:</u> TIFF, PDF
<b>PC interface:</b>	USB 2.0 Type B / enhanced transfer mode up to 51 MB/sec
<b>Power supply:</b>	100V to 240V, supply frequency from 47Hz to 63Hz, with ground wire
<b>Fuses:</b>	Twice in the AC power socket, 3,15 Ampere M semi time-lag
<b>Power consumption, (incl. embedded controller):</b>	Operation peak: 138 VA, average: <60 VA, stand-by: 50 VA
<b>Dimension (W x D x H):</b>	<u>Width:</u> 990 mm, <u>Depth:</u> 990 mm (without monitor holder), <u>Height:</u> 2100 to 2350 dependent on operating level
<b>Weight:</b>	100 kg
<b>Operating environment:</b>	Tilt - resistant, vibration - free, level surface, no direct sunlight <u>In operation:</u> 10°C - 38°C, relative humidity: 15% - 85% (not condensing) <u>Storage:</u> 0°C - 48°C, 15% - 85% relative humidity (not condensing)

Subject to change without notice

## book2net flash

# [large format]

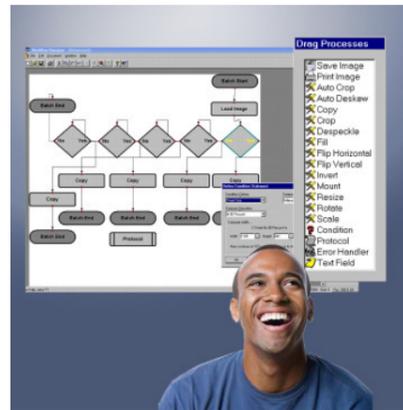


# [scanning]

# book2net large format scanning with performance!



scanning



post-processing



indexing

## Book Expert Professional: workflow-based post-processing

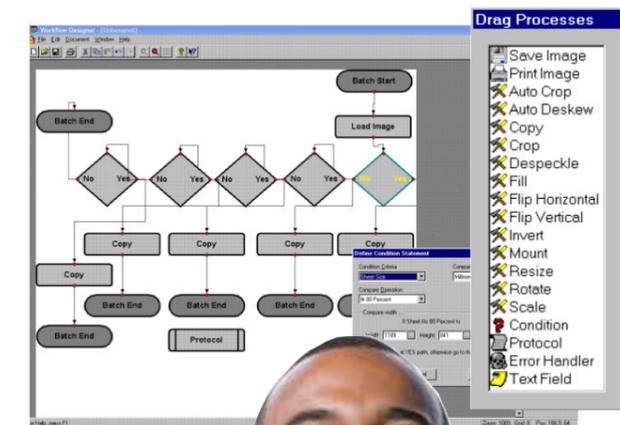
To maximize the productivity of the workflow it is advisable to separate the image enhancement from the scanner.

Book Expert Professional is especially designed for professional editing of images in combination with large scan volumes. **With Book Expert Professional you can logically combine single editing tools to produce a customized workflow.** By using the integrated batch- and spoolfunction an **automatic and high-speed processing** of archives and job-files is thus possible. Even multistage and **complex editing steps or highly demanding jobs can easily be performed by the operator himself** thanks to the drag- and drop-technique. In addition to **image enhancement and file size reduction**, Book Expert Professional consequently ensures the economic setup of a scan-respective long-term archive on a professional level

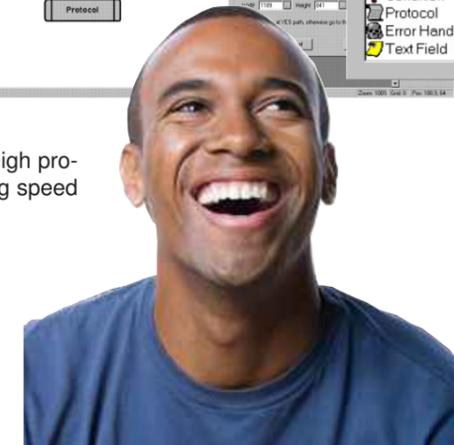
- Easy creation of customized image enhancement workflows
- Transfer of complex editing processes to an automatic finishing processes
- Fully automatically batch processes
- Reduction of file sizes
- Intelligent working modules
- Significant savings of time and human

resources in the editing processes

- Outstanding user- friendliness through drag-and-drop technique
- Unique: polling and program switching



- Ultra-high processing speed



### optical system

- Rodenstock Rodagon
- Shutter life expectancy > 300,000,000 shots
- Focus depth: minimum 13cm / 5 inch
- Perfect linearity

### sensor

- CCD sensor 40, 50 or 160/200 MP
- Sensor dimensions: 7304 x 5478 pixels (40 MP) 54,78 mm (diagonal)
- High resolution
- Optimized signal to noise relation for OCR recognition
- Various operating modes: speed, color, resolution, perfect

### light source

- Power LEDs 80 VA
- Fresnel diffusor for even illumination
- Cold light
- Stable wave length during production for best color reproduction

### user interface

- Operation by touch screen
- Different operating modes
- Automatic short-cut selection by operating mode
- Multilingual
- Intuitive operators guidance

### ergonomics

- Low light emission
- Low noise emission
- Best operator support in automatic mode
- Adjustabel working level

### layout section

- Motorized book cradle
- Motorized glass plate
- Different operation modes: manual, semi-automatic, automatic
- Automatic size- and position recognition for productive operator support

## Indexing service



Indexing services- The indexing services can run to 20- 80% of any digitization job. This involves high costs and large pool of manpower with expertise. Solutions deployed by us ensure dramatically low cost of ownership with high level of accuracies. The solution is transparent to the client and a web access to the project is given to client to follow up the progress and the quality of the work during production.

### Additional benefits:

- Design of solution and custom schema
- High volume handling capability
- Design of appropriate workflow and customer interfaces
- Adherence to various international standards
- Multi layered Quality Control and Checks
- High levels of accuracy of OCR upto 99.99% (depending on job/requirements/budgets)
- Handling of multi languages
- Different media like newspapers/books/journals each with a solution customized for requirement
- Definable and low turn around times