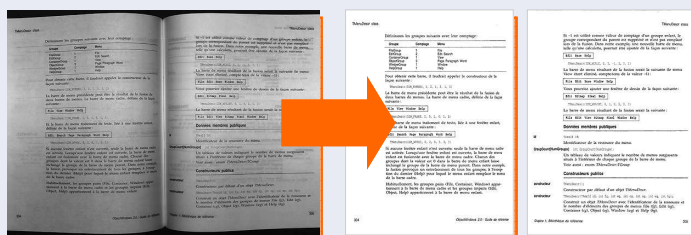


BOOK RESTORER™ Image Restoration Software

Thanks to the diversity and the quality of its processes, the Book Restorer™ software is the ideal tool to restore images.

Book Restorer™ includes numerous features entirely dedicated to the digitization of materials such as books, incunabula, newspapers, registers, property books and maps.

Book Restorer™ is the ideal application to perform the management, restoration, storage and publication of written works.



► Geometrical correction

Goal: Restoring the original geometrical shape of the work.
Principle: Correcting distortion due to the book curvature or roughness of document.

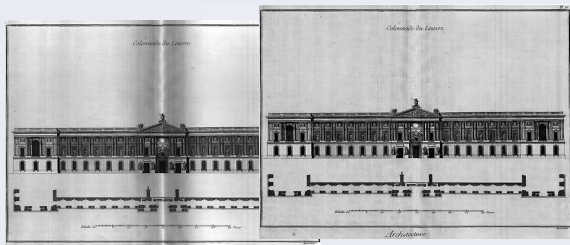


► Dedicated Processes

- Geometrical correction
- Lighting correction
- Crop
- Finger masking
- Smart binarizing
- ICC profiles
- Area detection
- Polarity detection

► Other Processes

- Color conversion
- Colorimetric curves
- Adjustment of histogram
- Filters
- Light and contrast
- Negative
- Resize
- Deskew
- Importing Photoshop® script
- Despeckle
- Hue, Saturation, Lightness



► 1D & 2D Lighting correction

Goal: Light uniformity of the document.
Principle: Correcting light variations produced by the relief or book curvature.

► Crop

Goal: Obtaining cropped images.
Principle: Eliminating external margins and/or separating a double page into two independent files.



► Smart binarisation

Goal: Converting all greyscale or colour documents into black and white image.
Principle: Optimizing the thresholding quality according to the context.

► Finger masking

Goal: Allowing the book to be held open with the use of fingers or tools on both side margins.
Principle: Masking the finger images by substituting a homogeneous background.



► Book Restorer™ that's also:

- Management and consultation of images (creation of a virtual book, numbering ...),
- Publication of restored images under different file formats: TIFF G4, TIFF 8 or 24-bit, multi-page TIFF, PDF, multi-page PDF, JPEG, BMP and PNG,
- Automation modules to schedule tasks and optimize productivity.

www.i2s-bookscanner.com

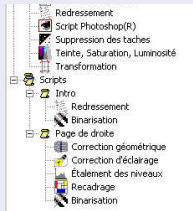
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BOOK RESTORER™

Automation and process control

▶ Scripts of Processes

With Book Restorer™ the operator can create scripts of appropriate processes to restore images. A wizard application assist the operator in defining the best scripts.

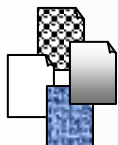


▶ BKR Automation

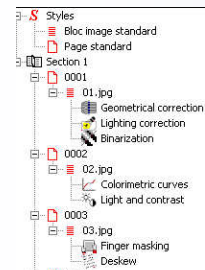
Schedule one or more tasks in batch mode.

Complex work

Different processes for each page.



Book Restorer



Automaton

Application of scripts
Publication of files
Batch or immediate mode

Homogeneous work



Automaton

Import of image files
Application of treatments
Publication of files
Batch or immediate mode

The Book Restorer™ software is delivered with three external modules; BKR Automation, BKR Watcher and BKR Control.

These modules allow the automation of Book Restorer™ processes in a batch mode or continuously during the digitization (work flow) and the quality control of restored images.

The Book Restorer™ modules guarantee your productivity without compromising the image quality.

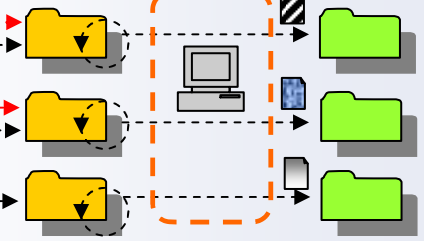
▶ BKR Watcher

Work flow digitization → processes

Digitization



Automatic processes

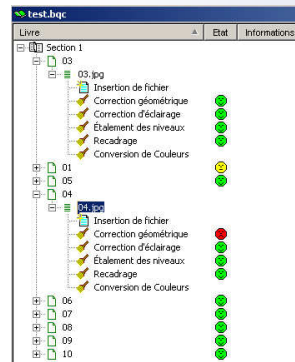


Automatic monitoring on source folders

Publication towards destination folders

▶ BKR Control

Automatic control of the restored image quality, by computing a satisfaction rating for each process.



▶ Order References

Book Restorer™ :
interface + automation & control modules—unlimited number of published files.

Page Restorer™ :
All Book Restorer™ functionalities - lversion limited to 50 000 published files.

▶ Configuration Required

Processor Intel® Pentium® IV - 2 GHz
RAM : 512 Mo - 1 Go required
Microsoft® Windows® 2000 PRO, XP

▶ Digitization Solutions

For archival quality digitization, i2S DigiBook proposes a large range of monochrome and color, manual and automatic scanners. They perform digitization of formats from A5 to A0 and optical resolutions up to 800 dpi.



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