scanVpage

Semi-Automatic V shape Book Scanner

Pro

A3+	A3+
800 dpi	800 dpi

Jumbo

A2+	A2+
600 dpi	600 dpi
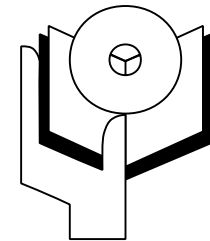
SWISS MADE

4DigitalBooks™

Introduction :

- **semi-automatic** glass, book holder and scanner
- **operator turns pages and manipulates the book**, not the scanner
- **scanning all exceptions** in a book : lose sheets, inserts, fold-outs, covers …

Semi-Automatic

- model PRO is up to **A3++ page format** (315 x 540 mm)
- model JUMBO is up to **A2+ page format** (440 x 640 mm)
- **glass junction limited to 2mm,** captures text close to the binding

Large Page Formats

- **V shape book holder** and **V shape glass** are **120°**
- **no reflections** on glossy documents, dark documents or photos
- suitable for **old and sensitive books**

Old and Recent Books

- two cameras offer high image quality up to **800 dpi optical**
- pages presented under **the glass, removes page curvature**
- **LED lights** 6000 °K, no variation over time

Constant Image Quality

- glass moves **automatically up and down**
- **adjustable pressure** of V shape glass to flatten wavy documents
- book holder moves **automatically up and down to fit book thickness**

Auto Glass + Book Holder

- **max speed up to 1'500** pages per hour / 25 pages per minute
- **average productivity 5'000** pages per working shift (300, 400 dpi)
- one scanVpage is comparable to **2x manual scanners with 2x operators**
  (maximum productivity is reached for books in good condition, depends on camera model)

High Speed 2x

Automatic mode :

Highest Automation

- automatic **glass opening after scan is finished**
- automatic **glass closing on foot switch, then scanning** exposed document
- automatic **book centering**, preserves relaxed back of the book
- automatic **book loading and measuring of book thickness** (user has just to put the book inside)
- automatic **page flattening** under the glass can be : with selected pressure or without pressure
- automatic **RGB camera calibration** with 24 patch target, for building ICC profile
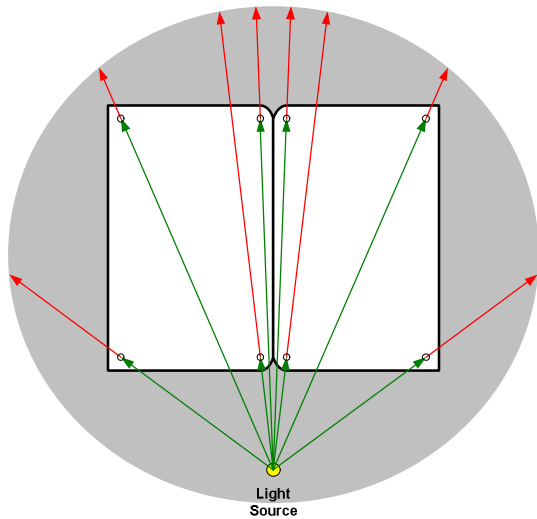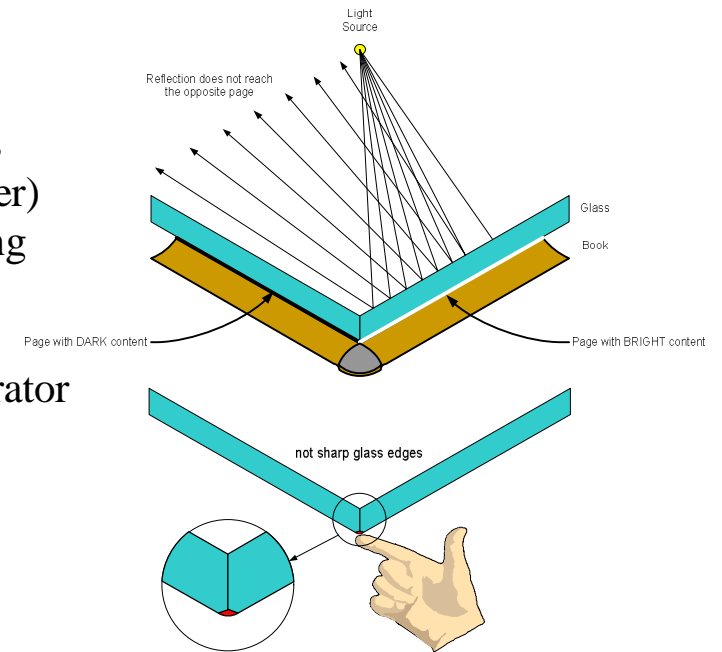- automatic **light correction** for regular intensity of light over the whole scanning surface

Automatic safety :

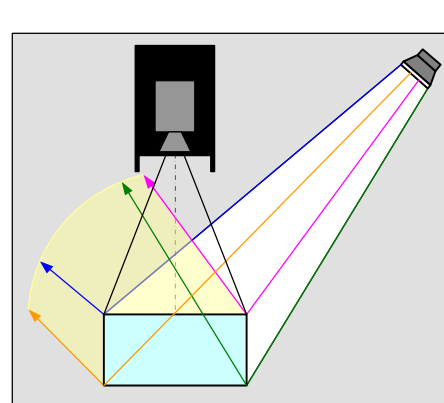Highest Operator Safety

- checking for **efforts on the glass** during its movement - automatic stop
- checking for **book collision** to avoid forcing on the book - automatic stop
- checking for **presence of hand** holding the book - automatic stop
- checking for **correct pressure** during page flattening

Exclusive Features :

- **no reflections between opposite pages**, preserves dark and bright colors
- **dead angle inside the binding** is only 2 mm wide (less than one character)
- **light balance** equalizes light over page surface, no shadows in the binding
- **glass pressure on the book is scalable from 0 to 20 kg**
- **no glare on images also with very glossy documents**
- **soft touch glass junction is not sharp** and cannot harm the book or operator
- **safe effortless glass motion in manual mode**
- **light sources are not visible to operator**
- light cannot reflect to the cameras, insures **no glare on glossy paper**
- operator may **move the glass effortless in manual mode**
- operator may **scan with glass or** <u>**without glass**</u> (Canon cameras only)

Light Source

Reflection does not reach
the opposite page

Glass

Book

Page with DARK content

Page with BRIGHT content

not sharp glass edges

LED multiple light source
day light color 6500 °K

Light
Source

Light
Source

Light
Source

Reflection angle does not reach the camera

110%
90%
100% optimal
0%
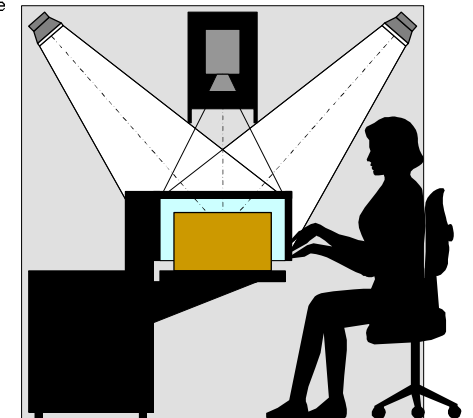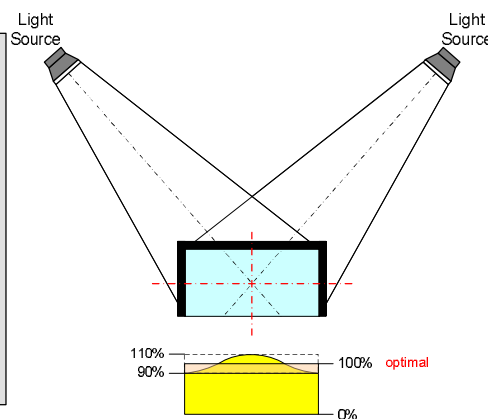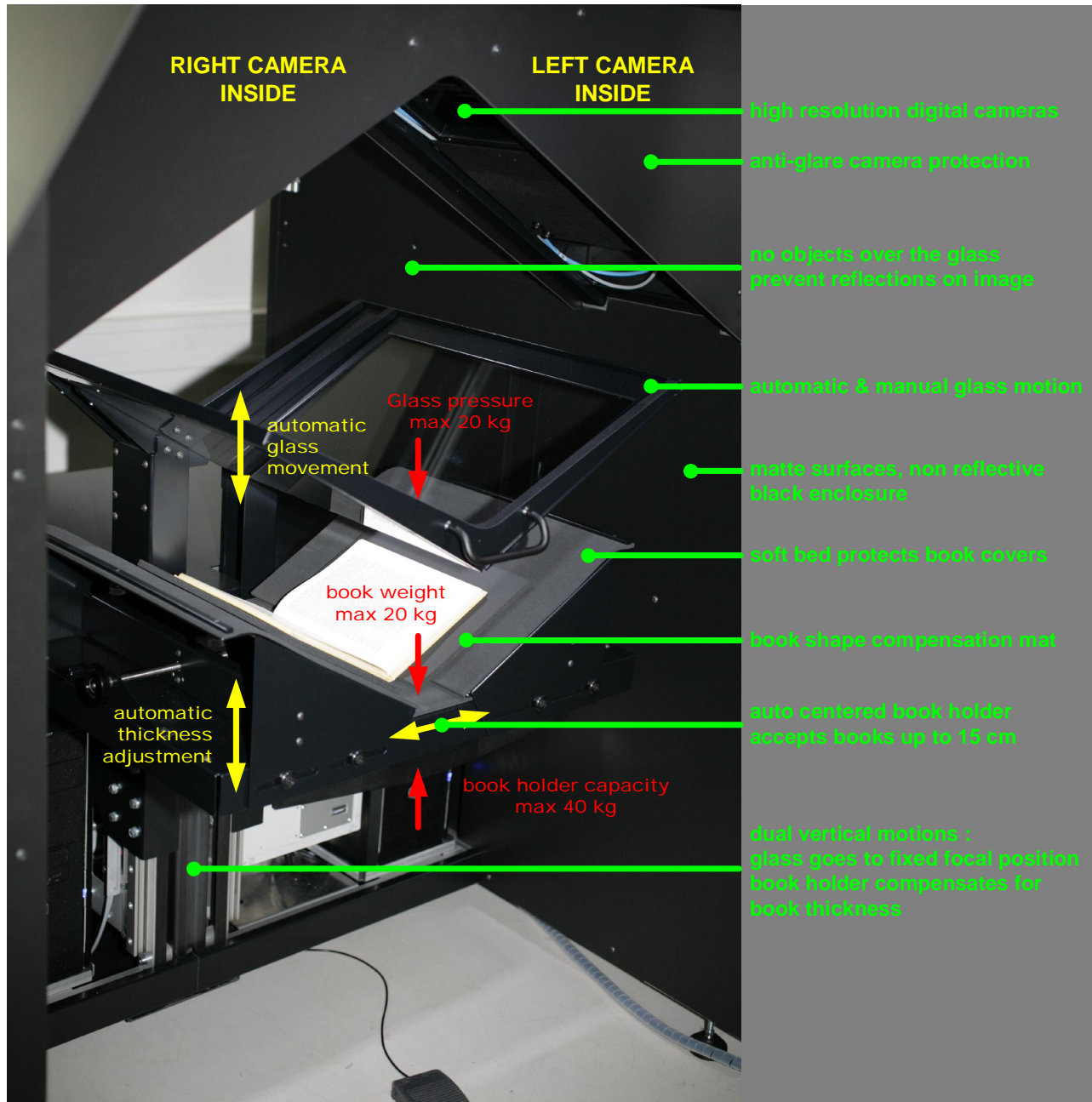
RIGHT CAMERA INSIDE

LEFT CAMERA INSIDE

high resolution digital cameras

anti-glare camera protection

no objects over the glass
prevent reflections on image

automatic & manual glass motion

Glass pressure
max 20 kg

automatic
glass
movement

matte surfaces, non reflective
black enclosure

soft bed protects book covers

book weight
max 20 kg

book shape compensation mat

automatic
thickness
adjustment

auto centered book holder
accepts books up to 15 cm

book holder capacity
max 40 kg

dual vertical motions :
glass goes to fixed focal position
book holder compensates for
book thickness

Documents accepted :

- document types :   books, magazines, bound newspapers, registers
- unusual documents :   photo and stamp albums, notebooks, manuscripts

- challenging books :   smaller books that **close spontaneously**
                            books with **rigid bindings**

- precious books :   **no friction** on pages
                            no local forces holding the cover or the pages
                            relaxed book loading with set of foam fittings

- book weight :   max. **20 kg**
- book thickness :   max. **150 mm**
- book covers :   soft, rigid, embossed, with metallic inserts

- page size :   model PRO : up to **A3+ (297 x 420 mm)**
                            model JUMBO : up to **A2+ (440 x 640 mm)**

- opening angle of pages : **120°**

- paper weight :   no limits
- wavy pages or covers :   no limits - regular or wavy
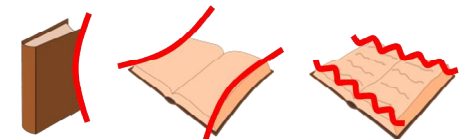
Delivery includes :

Complete Ready to Use

- enclosure with scanner, 2 cameras and LED lights
- automatic glass and book holder with main body
- PC-Scan computer with i7 CPU, 8 GB RAM
- 24" monitor, keyboard, mouse, foot switch
- 2 TB ultra fast local storage in RAID
- scanning software CopiNet or EOSNet
- operating system Windows 7 PRO
- PC-Remote computer camera server
- robust table

Scanner options :

2	**i2S cameras**	140	Mega Pixels	800 dpi
2	**i2S cameras**	60	Mega Pixels	600 dpi
2	**Canon cameras**	50	Mega Pixels	400 dpi *

(* optional 600 dpi available on max A4 page format, with a set of optional lenses)

Maintenance :

- **no consumables**
- **duty cycle** : 24 hours per day, 7 days per week
- **recommended maintenance** : 1 per year
- **full remote control capability** for technical support and diagnosis, user assistance and training