

# DigiBook

# Mag

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**Very happy new year 2004** to everyone of you, with a lot of personal and professional contentments.

The year 2003 finished in a good way with a strong increase of the sales compared to 2002: a special thanks to all our distributors for their efforts and results in their respective market; plus other big thanks also are to be presented to all our clients for the trust placed in the DigiBook range.

The investments in R&D over 2003 completed the range with an automatic page-turning device, a new A0 scanner plus miscellaneous accessories, you will have the opportunity to read about in this issue. The year 2003 also was the year of the marketing of Book Restorer™ in its Version 4.00.

The development planning for 2004 will be presented in the next issue of the DigiBook Mag. We already can tell you it will be focused on a bristly increased productivity, which will touch the whole range (manual and automatic scanners). As far as software is concerned, the DigiBook application will receive a new module allowing a bigger traceability of the different scanner settings, and Book Restorer™ will also integrate a new pilot function, still bringing more flexibility and optimisation for a very big productivity.

Over the year, we will certainly get the possibility to meet you in the numerous fairs where we will be exhibiting and which will be unique occasions, for us, to present you our brand new innovations.

In the hope to meet you soon,

Alain COSTE  
DigiBook Business  
Unit Manager



## Goettingen goes digital and puts on line the early zoological literature.

by Martin LIEBETRUTH, in charge of the digitization at the State and University Library of Goettingen

In 1997, the Goettingen State and University Library (one of the leading University Libraries in Germany) established the Goettingen Digitisation Center, (GDZ) founded by the German Research Foundation (DFG). The aim of the GDZ is to digitise books and other materials in the premises of the Goettingen Library to make them publicly available via the Internet. Our web-server at the moment gives access to more than 4.700 volumes containing more than 1,8 Million pages – free of charge (<http://gdz.sub.uni-goettingen.de>).

Since 1997, the GDZ team has put great efforts in the high quality digitisation of books and journals containing Mathematics, Travel Literature and North Americana, just to name a few of our projects.

Until 2002, the main focus of our digitisation work was concentrated on bi-tonal and grey-scale scanning. In the mid 2003, we got the grant to start our latest project: the digitisation of early zoological literature (EZOLO).

**Here is the scientific background for EZOLO** Zoological nomenclature is based on a system created by the Swedish natural history

### Three new DigiBook options!

**W**ith no concession on speed and scanning quality performances, our scanner conception must take into consideration the wide diversity of volumes, formats, aspects and conservation conditions to better preserve them. The association of a scanner plus a book holder contributes to an optimal and respectful digitization of a very big majority of works, with maximum comfort for the operator.

Nevertheless, the specificity of some documents forces upon the use of special apparatus which can guarantee an always perfect scanning.

That's in this way of thinking, that we present in detail, in this issue, three new important accessories of the DigiBook range : the glass option, the 120° book holder option and the A0 vacuum table option.



researcher Carl von Linné who, in a bibliographical work, summarized in 1758 all the literature published until then for each species, referring to descriptions and figures of the early literature. According to the international rules of zoological nomenclature, every animal species must carry a scientific name consisting of two parts (genus and species), to be given only once for each species (priority rule).

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**NEW** THE GLASS OPTION**Description**

For all users of book cradle (models : Book Cradle 12, 30 or 50), the glass option becomes essential in the following situations:

- To digitise small, thick books, which usually lay out of very stiff binding and that have a tendency to close naturally or to present pages like a hand-held fan.
- To digitise inserts - documents inserted on a page – which have to be unfolded and set flat.
- To minimize the operator's physical contact.

From a conservation point of view, the glass plate option allows the demeanour of pages with no direct operator's contact.

The glass plate option covers an A2 landscape format (2xA3) i.e. 420 mm (H) x 594 mm (L). The glass option is compatible with the bi-directional scanning mode.

The glass option adapts itself on all the scanners of the SUPRASCAN range, and on the DigiBook 2000LC model. In the A0 scanner case, (DigiBook A0), a specific kit of assembly is necessary to fix the option directly on the book cradle 12, 30 or 50 cm thickness (GLASS/KIT-A0).

**Operation mode**

The scanner arm in position 0, left or right hand side (see image 1), the whole of the glass option apparatus can be accessed by the operator who can manoeuvre the glass plate (in an open or closed position) thanks to a knob disposed on the front side. The 60° aperture position of the glass plate allows the positioning of the book on the plates of the book cradle or the page-turning of the book. The operator lowers the glass in a horizontal position (see image 2) to flatten the pages to scan. Consequently, the scanning process can start.

**The pros of the glass option****No crash of the book:**

The glass swivels around an adjustable hinge (approx. + or - 30 mm of vertical race) which takes into account the

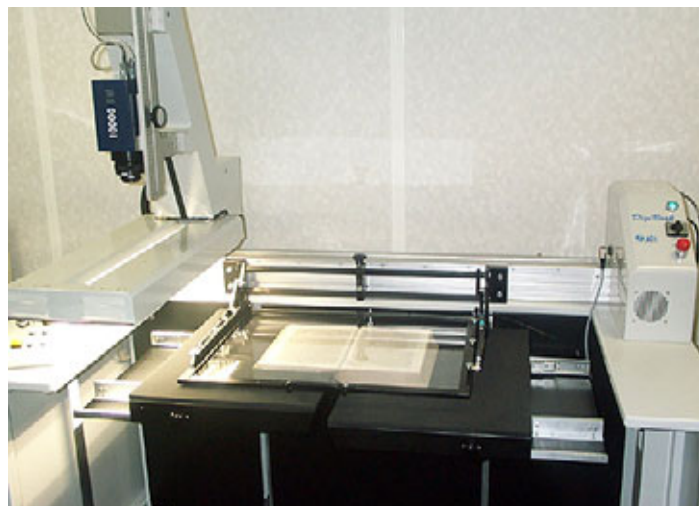


Image 1: glass in lowered position

height variations of the volume and avoids the crash of the top of the book when the operator lowers the glass. The only weight of the glass plate allows to flatten the pages of the book.

**No reflection induced by the lighting source:**

When the glass is set on the book, it remains in a perfectly horizontal position.

**Demeanour of the glass in a lifted position with no assistance:**

The operator is free in his movements, for an optimal handling, between the digitisations.

**Automatic open-glass detection:**

As soon as the glass is lifted of some degrees, an integrated detector in the hinge gives a stop signal to the scanner in order to forbid or immediately stop the scanning.

**A high-quality glass:**

The material constituting the glass plate has been rigorously selected to guarantee a perfect digitisation : optimal transparency for a maximum lighting transmission, colour conservation (no tint, no colour filter) and minimum image distortion thanks to a very homogeneous glass.



Image 2: glass in a lifted position



Image 3: volume being digitised

NEW

## THE 120° BOOK-HOLDER OPTION : for the respect of fragile books

### Description

The 120° book-holder option allows the digitisation of books which cannot be flat open at 180°, without any risk of deterioration. The open angle being clearly inferior to 180°, it is not possible to scan simultaneously both right and left pages in good conditions.

The 120° book-holder option maintains the volume with the appropriate open angle and allows the flat setting of the page to digitise (right or left) in parallel to the lighting (see picture 5).

The 120° mechanics of the book-holder is conceived to respect the book which is implicitly fragile and requires great handling cares.

Positioning plans of the book are realized in materials preserving the book covers and their back. Everything is foreseen to avoid contacts on hard salient areas.

The 120° option is dedicated to bound 2xA3 format volumes, of a maximum thickness of 150 mm, with possible apertures to 100, 120 and 140°.

It can adapt on book cradles 30 and 50 cm thickness, and with certain restrictions on the book cradle 12 cm. The 120° option uses the one-direction scanning mode from the left to the right hand-side.

To note that the 120° option can be equipped with a glass plate (see picture 4) which allows to flatten the pages of the book to digitise. As per the glass option, a security system forbids any digitisation when the glass is lifted.

### Operating mode

The 120° option is positioned on the plates of a book cradle. The document is open. The page to digitise (right or left) is flatly set. The left hand-side of the apparatus is adjusted so that an optimal book angle aperture is obtained. The resolution is set thanks to height setting of the book cradle plates, to the mechanical adjustment kit of the camera, to the setting of the telemeter of the focus of the camera and to the setting function of the DigiBook software.

The use of the 120° book holder only allows the digitisation of the right page. To minimize the volume handlings, one will have to digitise all the pages from one side and invert the volume position on the book holder. Thus, the left pages being scanned, the DigiBook software functions will allow the 180° rotation of the images and the insertion of the right pages.

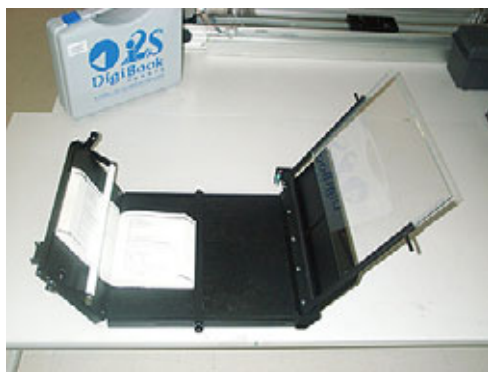


Image 4: 120° option with the glass option



Image 5: 120° option with the glass in a lowered position



Image 6: 120° option on the Book Cradle 12

NEW

## THE A0 VACUUM TABLE OPTION

### Description

The vacuum table is the accouterment to set perfectly flat all kinds of documents, wavy, crushed, folded or rolled. It covers every formats up to A0 /E with a useful surface of 840 x 1180 mm. It is constituted of a honeycombed plate and of two vacuum arms linked to two turbines. These two can be put at a distance of 5 meters and positioned in a close and isolated room, in order to minimize the sonorous disturb for the operator. The vacuuming power is adjustable and no overlaid transparent Mylar is necessary to perfectly stick down small format documents. The vacuuming is commanded by footswitch.

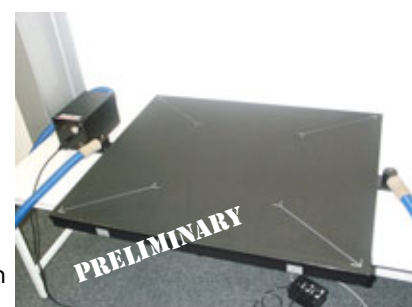
To improve again the operator's comfort, the DigiBook A0 software disposes of a rotation setting of the digitised document, to better deskew it in a horizontal or vertical axis.

These two positions (vacuuming and rotation) lead to a considerable time saving in the document setting before digitisation.

The vacuum table option is adapted to the A0 scanner and installed on a wheel table to ease its use.

### General Characteristics

Accepted formats : up to A0 / E      Dimensions : 880 (D) x 1228 (W) x 60 (H) mm  
Useful surface : 840 x 1180 mm      Electrical power : 2.2 KW



## Goettingen goes digital and puts on line the early zoological literature.

(Cont'd from page 1)

Because of the priority rule and still unknown identities of many taxa<sup>1</sup> of early zoological publications, researchers are obligate dependent on the access to the original descriptions, which is becoming increasingly difficult with time. To provide the necessary sources for the international scientific community, all primary descriptions published from 1757 to 1770 (approximately 10000 animal species) including their corresponding references (100 000 image pages, 30 000 in colour and greyscale) are digitised and displayed in the internet.

Especially Linné referred extensively to other publications, so this method covers a significant part of early zoological literature. After digitising, a zoological database is established, where all described species can be found on demand in the internet, and which will be connected to the digitised original descriptions.

As we have to digitise more than 30 000 pages that contain historical coloured images of animals, we made tests with some of the colour book scanners that were available on the market at that time. Some of the books are rather fragile or must not be opened more than 100-120° degrees because of preservation concerns. The scanner, we were looking for, should be able to cope with these critical books as well.

We finally decided to buy the i2S DigiBook 6002 RGB, because we were convinced of the image quality, the scanning time, and the modularity, this scanner offers. Accompanying the main model, we also got two extras that were built on our demand: a glass plate option (size A 2) which allows to keep books open without using fingers; a book-holder giving the possibility to scan books in a 120° open position.

Our first test with the two optional extras are very promising so

that we are confident even to put fragile books to the internet for the benefit of the scientific community.

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(<sup>1</sup>) latin n. . plural of taxum: element of a classification which clusters all the living organisms having certain characteristics in common, whatever their rank.



The Goettingen State and University Library purchased half a year ago a DigiBook 6002 RGB colour from the German company SRZ in Berlin ([www.srz.de](http://www.srz.de)), the distributor for i2S in the German speaking countries. SRZ is well known in the library scene for its digitisation and data capture services (retrospective digitisation of catalogs, books, microfilm and all kind of documents) and offers especially for the electronic presentation of library collections a content management system named Agora ([www.agora.de](http://www.agora.de)). SRZ is development partner of Goettingen and the presentation of their collections is done with Agora.



### DigiBook continues its expansion!

We keep on extending our distribution network worldwide, and are pleased to announce you the installation of two new distributors in Malaysia and in the countries surrounding the Persian Gulf. Actually, this brings the number of our dealers to 21 at dawn of the year 2004.

We benefit from this opportunity to greet our new partners in these different regions and testify them our motivation in order to help and support them the best we can, as commercially than technically speaking. In the coming months, we still think about increasing our international presence over the market, by targeting some specific and yet unexplored areas, by DigiBook. Therefore, we appoint you in our next issues in which we will not miss to inform you about this future geographical widening.

### 2004 events

- **7th International BIELEFELD Conference Germany**  
3 - 5 February 2004  
Bielefeld Convention Center  
Visit us on our **SRZ** distributor's booth #12
- **BIBLIOSTAR - MILAN - Italy**  
11 - 12 March 2004  
Palazzo delle Stelline  
Visit us on our distributor's booth:  
**Automazione Microfilm**
- **CEBIT - HANOVER - Germany**  
18 - 24 March 2004  
Hall 1 - booth #707
- **IFLA 2004 - BUENOS AIRES - Argentina**  
22 - 27 August 2004  
World Library and Information Congress:  
70th IFLA General Conference and Council

