

Dar Al-Raqmana



dar al-raqmana

Digitization and Archiving Solutions

Doha, Qatar PO. Box 27774

Dubai, UAE. PO. Box 31303

www.daralraqmana.com

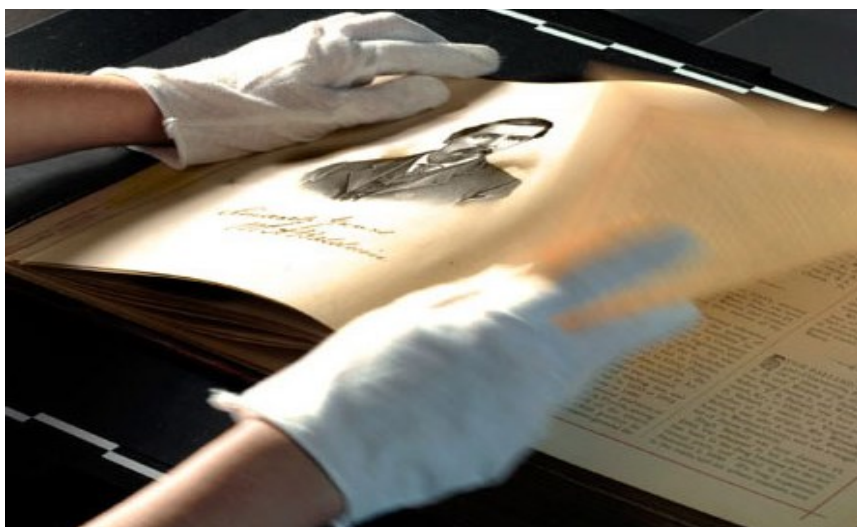


OUR VESION

- ☐ Digitization is not a new concept. Yet, it doesn't reach its potentials.
- ☐ Our goal is to help in preserving and enriching the significant content, i.e. Heritage Maps, Books, Rare manuscripts, Family history, Newspaper, Old Purchase orders and forms, Old Contracts...etc
- ☐ Our Endeavor to look after content! We'll be creating a state-of-art and integrated digitization facility along side a fine digital repository platform with Browsing, Searching, reading and long-term

preservation capabilities. To provide you with a complete solution, we go beyond simple image capture to offer

services for collection assessment, archival processing, and metadata preparation.



“Caring of your collection is our mission ”

DAR AL-RAQMANA PERSPECTIVE OF DIGITIZATION, DIGITAL ARCGIVING AND METADATA SERVICES



- ☐ Creating archival-quality digital images from your special collections isn't a matter of guesswork. With procedures and guidelines in place, we have the process down to a science.
- ☐ Digitization is not equal to Scanning!
- ☐ Scanning is pivotal, but it's only a starting phase.
- ☐ Our target is to ;
 - Preserve the original documents
 - Enrich the digital content with metadata and content classification and analysis
 - Create one-stop-platform to make the digital content at the user's fingertip
- ☐ We provide full stack of services aims at diminishing the access to the original document.

SERVICES

Digitization Services

- Providing digitization services including high quality Imaging and Digital Image Processing exclusively to libraries, museums, personal collections, ministries and archives.
- Quite willing to build digitization centers including the Hardware and software in the level of massive production
- Select the suitable scanners, cameras and scanning method to achieve exact digital replica
- It's obvious that Moving from old fashioned paper-work to state-of-art digital repository is trending. Either on personal or enterprise level, paper-work is becoming heritage.

Man powering For Digitization Services

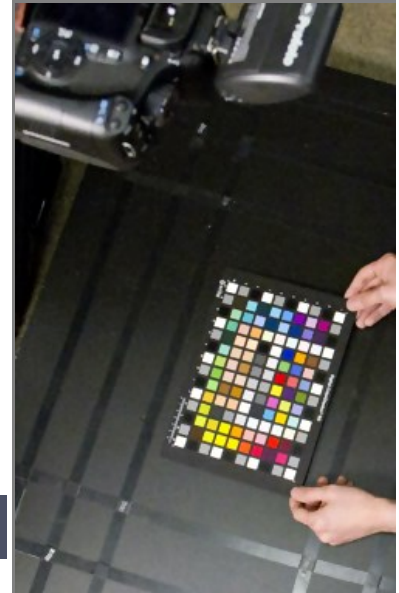
- We have a quite large bank of experts, in every field of our Digitization Services.
- We are able to shoulder all issues related to the administration, management and periodical training on a professional level.
- Achieve the highest productivity rate with maintaining the international standards of the quality.

Portable and On-site Digitization Services

- Specially for the confidential and very fragile materials We offers to create a portable digitization facility , plug-in it into the owner premises, secure the content exposure, eliminate documents transportation and bad handling and give the owner a fine digital repository platform with Browsing, Searching, Reading and Long-term preservation capabilities.
- By portable we mean; building a digitization facility that can be either dismantled/reinstalled
- The facility installation includes Overhead scanner (up to 2A0), V-Shape scanner (Up to A1), storage, PCs, at least two servers, and Physical item storage Area.

WHY DAR ALRAQMANA?

Dar Alraqmana brings a 15 years of the experience of it's staff in the digitization, digital achieving, Audiovisual (AV) and Metadata services .



Dar Alraqmana provides four-stars FADGI compliance.

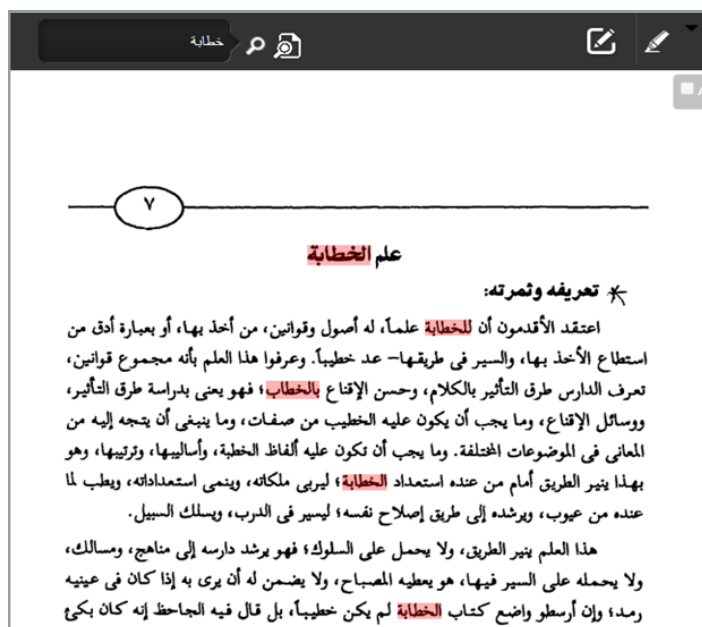
We have extensive experience in regards to project's material, sensitivity, preservation and add-ons. let alone handling different types (e.g. books, newspapers, maps, manuscripts, documents, pictures, slides, negatives, audiovisual, and 3D)

Dar Al-Raqmana ensures that The environment of the service is completely secured and the digital files kept in a secured area.

SERVICES

Arabic Text Recognition

- As well as, Latin text recognition; we are expert in handling the Arabic Text.
- Dar Al-Raqmana has the knowledge to get a highest level of OCR accuracy Arabic and Latin
- Our calibers can analyze the text fonts and provide machine readable libraries, that elevate the Optical Character Recognition “OCR” to produce more than 99% guaranteed accuracy for modern text.
- Providing image on text for black & white and Color documents.
- The output of OCR process will be fed to a powerful Arabic oriented search engine.
- We handle the Stem of the word to get more than Exact result; e.g. search with خطابة and you'll get hits like الخطابة , بالخطابة



Quality Assurance

- We do believe that the shortest way to the user satisfaction is the Quality
- Quality assurance is a key process in our workflow
- We incorporate 2 levels of QA;
 - ♦ Page level: an operator will review each and every page and make sure it meets certain standards
 - ♦ Item level: Ensure the whole quality of the images with the OCR output meets certain standards

SERVICES

Long Term Preservation by creating Digital Repositories

- Model the documents into Self-Contained package.
- OAIS Standard compliant
- Maintain the Original archival packages and Deployment packages
- All backup, security and data integrity measures.
- One-Stop platform: Browse, Search, Download, Print, Comment, Share and Personalize
- Responsive design, for web-based or mobile browsing.
- High quality Search
- Exact and Morphological search (stem or root based) for both Arabic and Latin text.
- Content Search; the End user will be capable of searching the documents' content, populating search snippets and highlight.
- All-In-One viewer
- Out Image-on-text viewer will group all mentioned above functionalities in one location.

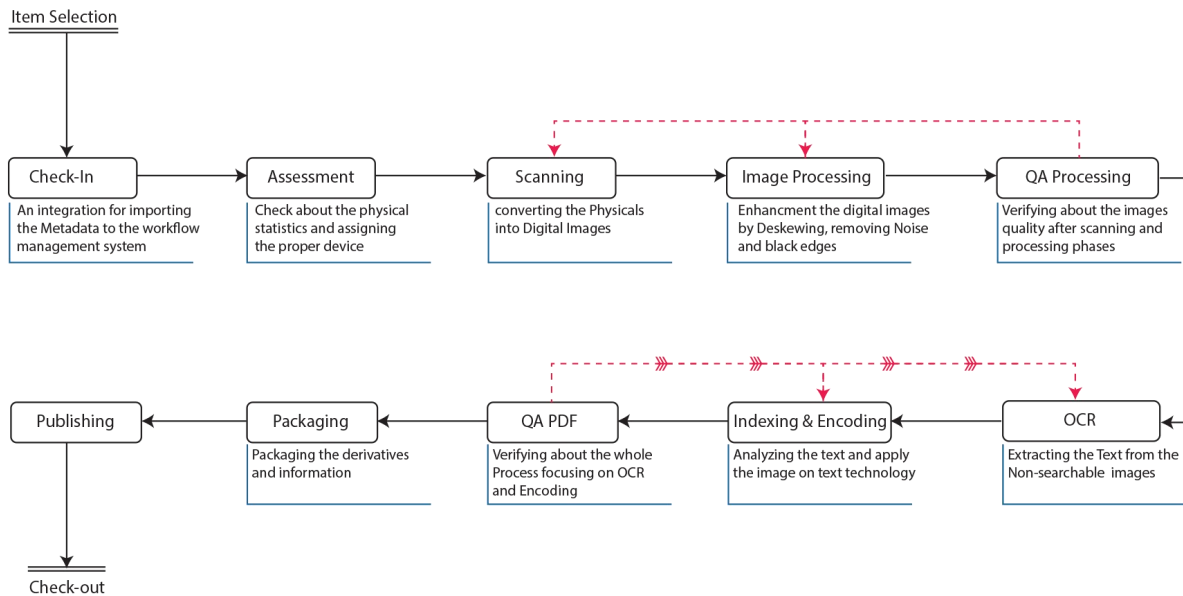
Metadata Services

- Our skilled catalogers create original MARC records that meet accepted standards and are adapted to fit your specifications.
- We can build as simple or as rich a collection of metadata as you'd like, working from original materials or from digital surrogates of title pages and other key descriptive elements.
- Enrich the digital content with metadata and content classification and analysis.
- Shelf-ready processing options include barcodes and spine labels, security strips, book covers, stamping – really anything you need to have done so your materials are prepared to go straight into your collection. -on-text viewer will group all mentioned above functionalities in one location.
- Dar-Alraqmana is prepared to meet your metadata requirements from start to finish. We can provide descriptive, structural, technical, administrative, and preservation metadata, as well as full-service cataloging, producing and formatting your metadata just the way you want it.

SERVIECES

Digitization Workflow

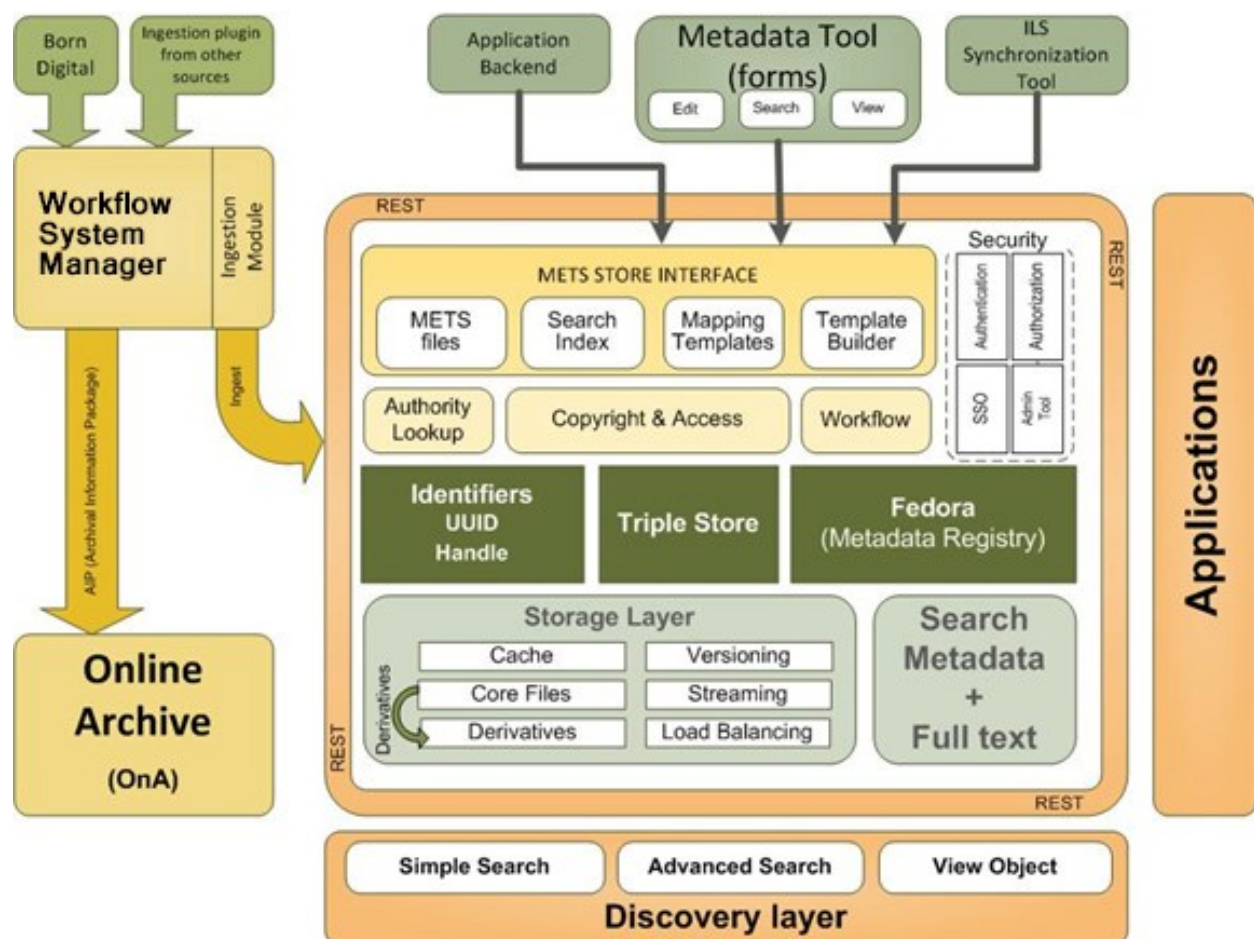
- Orchestrate the production.
- Manages the operators, machines, servers, integration with other platforms, editing , re-viewing and reporting.



SERVIECES

System Architecture

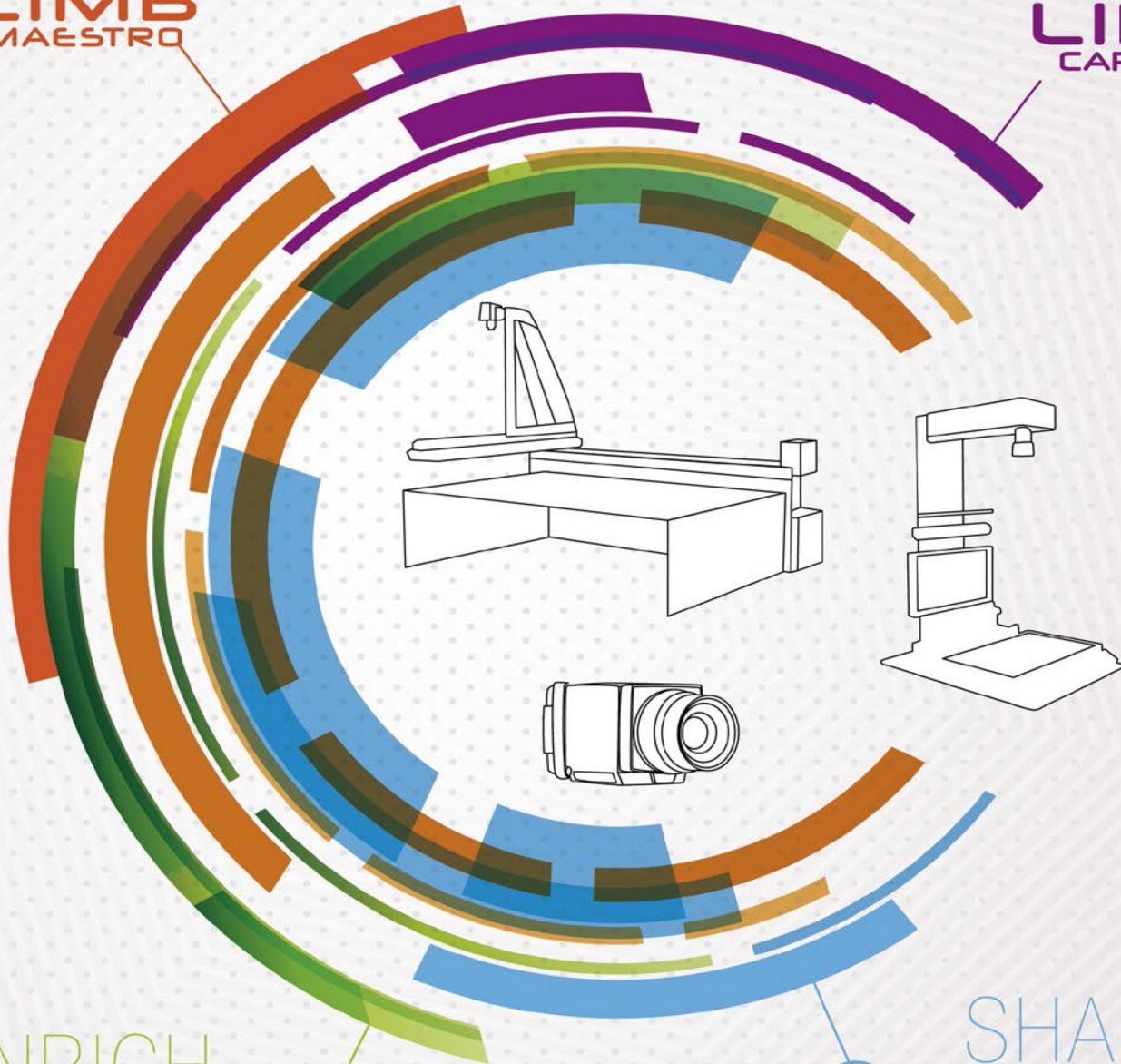
- We developed a customized and service oriented architecture. That fulfill all the list of features (mentioned previously).



ORGANIZE



DIGITIZE



ENRICH



SHARE



i2s
be visionary

COPIBOOK Cobalt HD



The CopeBook™ range has been the best reference of stand-alone A2 format book scanners for the last decade when it comes to digitizing bound documents up to DIN A2 format. COPIBOOK COBALT HD achieves the **highest level of productivity**, image quality, ergonomics, reliability and document preservation.

ADVANTAGES

PRODUCTIVE: Cycle time < 8 s in color (600 x 600 dpi optical on A2)

VERSATILE: Book holder for fragile books

IMAGE QUALITY: 140 Mpixels i2S camera, depth of field > 5 cm, $\Delta E < 5$

ERGONOMICS: Fully optimized user's operations and manipulations

DESIGN: Enter a new uncluttered and sleek design

EASY TO USE: Fully automatic calibration and intuitive interface

COMPACT: Stand-alone solution with workstation included

TRANSPORTABLE: Quick assembly and specific rolling crate to go inside customer room

COPIBOOK OS



COPIBOOK OS is the newborn model from CopeBook™ range. Keeping all the main features which made COPIBOOK™ range the worldwide reference of A2 format book scanners over the last decade, COPIBOOK OS comes up with an **unequalled productivity**, a brand new i2S matrix sensor camera, and it is driven by the new powerful software interface LIMB CAPTURE. COPIBOOK OS inherits **the versatility** and **modularity** of the latest ESCAN OS by i2S.

ADVANTAGES

CONFIGURABLE: Select the modules you need

VERSATILE: Same scanner for mass or self-service digitization

OPEN: Create your own modules to complete the solution and match your needs

CONNECTED: Simple interconnection to the outside (USB 3)

IMAGE QUALITY: 400 x 400 dpi optical on A2, 7 lp/mm at 400 dpi
71 Mpixels EAGLE camera, depth of field > 5 cm

PRODUCTIVE: Scan time < 1 sec, Cycle time < 3 sec, fast focus, fast data transfer

LARGE FORMAT: Scanning area 560 x 400 mm (22" x 15.7")

EASY TO USE: Fully automatic calibration and intuitive interface

TRANSPORTABLE: Easy to assemble, dismantle and move

GREEN: Made with recyclable materials; low energy consumption

COPIBOOK V-SHAPE



COPIBOOK V-SHAPE is the perfect solution to **digitize fragile books** maintained in V shape for harmless digitization operations. Designed from the combination of 2 high quality i2S cameras, it guarantees high productivity and best quality of image with no glares thanks to a perfect control of the lighting.

ADVANTAGES

IMAGE QUALITY: 600 x 600 dpi optical on A2, 11 lp/mm at 600 dpi; two 71 Mpixels EAGLE cameras depth of field > 5 cm

LIGHTING CONTROL: No reflections between opposite pages

SPECIAL GLASS PLATE JUNCTION: Less than 2 mm loss in the gutter

CONNECTED: Simple interconnection to the outside (USB 3)

ERGONOMICS: Smooth glass edges, pressure sensors, hands presence detector

PRODUCTIVE: Scan time < 1 sec, Cycle time < 3 sec, fast focus, fast data transfer

SEMI AUTOMATIC: Motorized book cradle, glass moves automatically up and down, automatic book centering

MODULAR: Also available for up to 2xA2 format at 400 x 400 dpi optical

EASY TO USE: Fully automatic calibration and intuitive interface

TRANSPORTABLE: Easy to assemble, dismantle and move

SUPRASCAN Quartz A1



The SupraScan range has been developed to achieve the highest level of **image quality while ensuring a perfect document preservation.**

The new SupraScan generation called "Quartz" has been optimized and comes today with a new i2S camera, a new book cradle, a new lighting system, a new software and exclusive features. This is why today SupraScan Quartz is the **state of the art of large format scanners** for archives and heritage documents.

ADVANTAGES

IMAGE QUALITY: Metamorfoze Light and FADGI 3* compliant
up to 11 pl/mm at 600 dpi optical with QUARTZ HD camera

FAST: 7.9 s for 400 x 400 dpi optical A1 color scan

GENTLE: Automatic glass pressure and control adjustment

LARGE: 1100 (43") x 630 (24.8") mm: the largest scanning size on the A1 scanners market

SMART: Automatic calibration and automatic focus

RELIEF: A unique lighting to enhance documents and objects relief

LIGHTING CONTROL: Exclusive glare free system to remove any reflections even on glossy documents

SUPRASCAN Quartz A1 V



The SupraScan Quartz A1 V is dedicated to **fragile bound documents** requiring to be digitized partially open. As other SUPRASCAN models, it offers a very high image quality. SupraScan Quartz A1 V completes SupraScan Quartz range, developed by i2s and successfully sold around the world for years. SupraScan Quartz A1 V is an ideal solution for digitizing old and precious bound documents, and especially those which contain fold-out pages.

This model is the **most versatile** of all i2S scanners. It is suited for archives with numerous and varied types of documents.

ADVANTAGES

IMAGE QUALITY: Metamorfoze Light and FADGI 3* compliant, 400 x 400 dpi optical on A1 format in color, 7 pl/mm at 400 dpi optical

LARGE: Scanning up to 900 x 630 mm (35.43 x 24.8 in.)

GENTLE: 90° angle digitization, glass up if any obstacle, no lights in the operator's eyes, free from UV and IR emissions

ACCURATE: No loss of information in the book gutter

SMART: Automatic calibration

RELIEF: A unique lighting to enhance documents and objects relief

LIGHTING CONTROL: Exclusive glare free system to remove any reflections even on glossy documents

ACCESSORIES

**BOOK CRADLE, VACUUM TABLE,
V-SHAPE BOOK HOLDER, LIGHTING TABLE...**



SUPRASCAN Quartz A0



SupraScan Quartz A0 HD LED is the best scanner to digitize up to A0+ format with **superior image quality and productivity**. Third generation of i2S A0 scanners, it embeds a new **LED lighting** with a lot of benefits (no UV/IR, anti-glare feature, relief enhancement, lighting level control, no blinding effect).

SupraScan QUARTZ A0 HD is equipped with a brand new **A0 format motorized book cradle** with **motorized glass plate** and automations to provide better ergonomics.

ADVANTAGES

IMAGE QUALITY: Metamorfoze Light & FADGI 3★ compliant, up to 600 x 600 dpi optical on the whole A0 format (HD version)

LARGE: 1350 mm x 920 mm (53.15 x 36.22 in.) > DIN A0 / ANSI E

ERGONOMIC: Motorized book cradle, motorized glass synchronized with the scanner, motorized camera movement

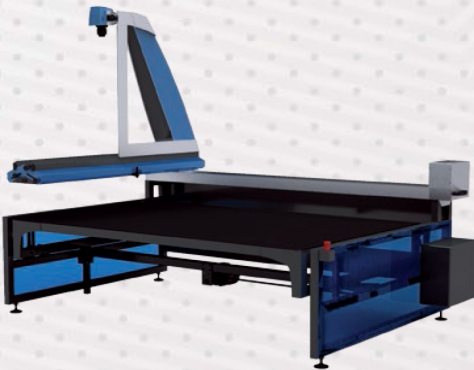
GENTLE: Obstacle detection sensors, no lights in the operator's eyes, free from UV and IR emissions

VERSATILE: Accessories : book cradle, v-shape book holder, glass plate, A0 vacuum table

RELIEF: A unique lighting to enhance documents and objects relief

LIGHTING CONTROL: Exclusive glare free system to remove any reflections even on glossy documents

SUPRASCAN Quartz 2A0



SupraScan™ Quartz 2A0 is the best planetary scanner to digitize **oversized works and paintings** with no compromise between image quality and productivity.

SupraScan™ Quartz 2A0 scanner digitizes large and thick works and documents (with or without frames) up to 2 x DIN A0/E format in color and B&W. Thanks to a flat mobile tray, ensuring easy handling and safe positioning, SupraScan Quartz 2A0 digitizes with the **greatest respect for the originals** and at high resolution (up to 800 x 800 dpi optical) using a height/resolution detection sensor. Dedicated to **reproduction of art collections**, paintings and large maps or drawings, SupraScan Quartz 2A0 is a production scanner that provides **superior image quality**.

ADVANTAGES

LARGE: Scanning up to: 1800 mm x 1200 mm (70.8" x 47.2")

HIGH IMAGE QUALITY: 400 x 400 dpi on 2A0, Metamorfoze Light & FADGI 3★ compliant at 300 dpi

PRODUCTIVE: 32 sec for a 2A0 scan at 400 x 400 dpi optical

LIGHTING: Relief detail enhancement, adjustable lighting angle, glare control

ERGONOMICS: 2A0 format sliding tray (pull & push), motorization of height adjustment (up & down), accessibility from 3 sides

GENTLE: Free from UV and IR emissions, preservation of fragile and rare materials

LIMB SOFTWARE SUITE

by i2S



Limb Capture is a **new interface software** designed to drive all i2S scanners. It is a legacy from YooScan™ software which drove Suprascanner range scanners. Suitable for **matrix**

and linear sensor cameras, it is the state of the art of software from raw capture to saving as any image file format on the selected destination.

Limb Capture includes 2 skins:
one for **self-service** usage, and one for **production** usage.

LIMB CAPTURE SELF SERVICE INCLUDES:

- Multi-touch interface
- Automatic document detection and cropping
- Easy image edition
- Live saving
- Multiple outputs at the same time

LIMB CAPTURE PRODUCTION INCLUDES:

- Multiple frames management
- ICC color management
- Thumbnails flow to delete/add/insert images
- Production environment: login, metadata tagging, METS outputs...
- Multiple scan trigger
- Set of image processings
- Advanced settings



Limb Processing is the first **complete solution** designed for giving more value to images captured from books thanks to some **automated** and **smart post-processings**.

It consists of several modules including : import, image enhancement, quality control, document structuring, OCR, segmentation, metadata management, export. It enables to **compute automatically batches of images** based on **workflow** templates.

Limb Processing can be easily connected to Limb Capture to process on the fly the content of the captured images, but it can also be used as external program with any other scanner brand.

ADVANTAGES

ALL IN ONE: A unique tool to process, enrich and convert your collection into digital assets

FAST: Multiple images processed in parallel, 64 bits, automatic processing, optimized workflow

INTUITIVE: Software ergonomics made easy to use for non-technical users

COMPATIBLE: Compatible with all metadata standards, including METS, ALTO, DC, MODS

VALUABLE: Increases the content value and decreases the cost of digitization

PRODUCTION: Exists in server license to enable multi-users work



Limb Gallery is a simple, powerful and modern software tool to **build your digital library and share your digital collections** online, with a full control of the access rights. Limb Gallery is

delivered with an **eye catching user interface** including several tools to guide the user to maximize the discovery of requested and related information.

Limb Gallery includes a **fully configurable user interface** in order to adapt the look and feel to your graphical environment (logo, colors and template).

ADVANTAGES

FLEXIBLE: License or cloud solution

CONFIGURABLE: Content management, records management, collaborative work, customizable back end

USER FRIENDLY: Creates a rich discovery experience for your visitors, simple and easy to use

ROBUST: Compatible with huge databases, powerful faceted search engine

BOOST COLLECTIONS: Promote content with eye catching viewer, powerful search and visibility

INTUITIVE: Made to be simple to use for discovering content and managing collections

CONNECTED: Connection to external metadata servers

OPEN: Libraries and archives standard OAI-PMH, METS, ALTO



Limb Maestro is a software designed for organizing and supervising the workflow of any digitization project, from the resources management and workflow sequences definition, to the

generation of statistics.

Limb Maestro is a collaborative tool enabling to share work progress information of all operators taking part to a global project. It enables to anticipate and avoid bottle necks in a project workflow, make sure throughput is respected, share key information all over the documents and images processing steps.

ADVANTAGES

FLEXIBLE: License or cloud solution

PRODUCTION ORIENTED: Multi-users solution

ONE UNIQUE TOOL: User rights management enable to split administrators and standard operators interfaces

POWERFUL BACK END: Dedicated back end interface to define roles and workflow steps

MONITORING: Graphics to display statistics, reports generation for project manager

SOME REFERENCES-THEY TRUST OUR SOLUTIONS

- Library of Congress,
- National Library of France,
- National Library of Norway,
- Hermitage museum,
- National Library of China,
- National Archives of the Netherlands,
- National Library of Russia,
- National Library of Spain,
- National Library of Egypt,
- National Archives of Nepal,
- National Library of Bangladesh,
- National Library of Morocco,
- National Archives of Spain,
- University of Michigan,
- Texas University,
- Library of Québec,
- National Library of Greece,
- Harvard university,
- National Library of Wales,
- University of Paderborn,
- Ecole Normale supérieure,
- NARA Fort Worth,
- National Library of Indonesia,
- National Library of Finland,
- National Library of Bulgaria,



ABOUT I2S

“Solutions for digitization projects”

- I2S is a company specializing in image capturing and processing technology. We work for international clients, on a wide range of markets like: health and well-being, sport, software, document digitization, food-processing and agriculture, aviation and aerospace, robotics and industrial control systems, and *more generally, wherever image capturing is required.*
- I2S creates and markets a whole range of scanners and software intended for historical archives and bound documents.



Digitization and promotion:

Most of our customers are content owners such as museums, libraries, archives, administrations and a few large companies. Our clients value our innovative solutions which encompass the complete

process of a digitization project:

Capturing, processing, enriching and sharing. In order to meet the need for digitizing varied and precious collections, we designed the largest range of book scanners on the marketplace, from the smallest size to 2A0 format.

Today, more than 4,000 book scanners are installed at more than 1000 customers' sites around the world.

