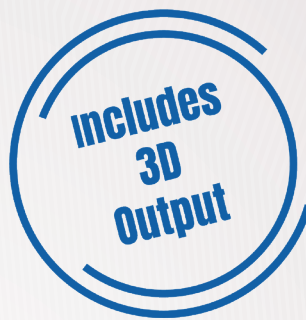


SupraScan

QUARTZ A0 LED

QUARTZ A0 LED HD

EXCELLENCE AT YOUR FINGERTIPS

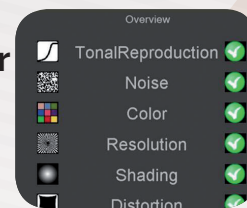


be visionary

SupraScan Quartz A0 and Quartz A0 HD: the best image quality scanner

The third generation of SupraScan range has been designed to satisfy the most demanding end-users, especially in terms of **image quality**.

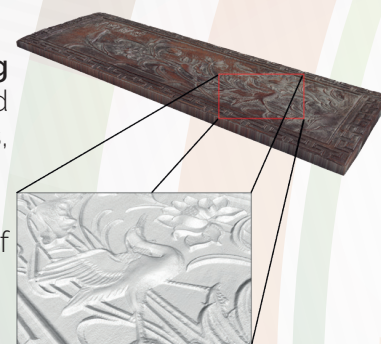
SupraScan Quartz A0 LED HD is **compliant with ISO 19264-1/A, Metamorfoze Full and FADGI 4*** standards.



15 years of innovation to reach the highest level in terms of fine reproduction

The SupraScan Quartz A0 LED and Quartz A0 LED HD offer innovative features like the relief enhancement and glare control system. Thanks to optical and lighting innovation, **relief enhancement feature enables perfect reproduction of works of art** such as paintings, drawings and antique works of art; **glare control feature enables scanning any glossy documents** even blistered documents.

The SupraScan Quartz A0 LED and A0 LED HD embed a **new 3D scanning technology feature**, based on advanced Photometric Stereo algorithms and images analysis. This new scanning solution has been developed for librairies, archives, museums, fine art reproduction and decor industry.



Cameras are designed and produced by i2S; these are the result of many years of experience in digital imaging and processing.

Some references - They trust our solutions



Image Quality

- Up to 1000 dpi optical on smaller formats
- No mechanical camera shutter
- Camera remains perpendicular to the document center: no distortions
- More than 7 lp/mm at 400 x 400 dpi optical
- More than 9 lp/mm at 600 x 600 dpi optical
- More than 18 lp/mm at 1000 x 1000 dpi optical

LED Lighting

- Lighting adjustment to enhance relief on documents or objects
- Glare free system even on highly reflective documents



Glare control system



relief enhancement

Book Cradle

- Optional model of book cradle : 40 cm
- Pressure sensors
- Scan launch when glass is down
- Automatic opening when scan is done
- Can operate without glass plate

Productivity

- Scan time < 9 sec (Standard model) < 34 sec (HD model)

Large format

- up to 1300 x 900 mm (51,2" x 35,4" in) - Quartz A0 LED
- up to 1300 x 908 mm (51,2" x 35,7" in) - Quartz A0 LED HD

Compliant with ISO 19264-1/A, Metamorfoze Full and FADGI 4* standards



Optional
V Book Holder
(2xA2 or 2xA1)

3D Scan Technology*

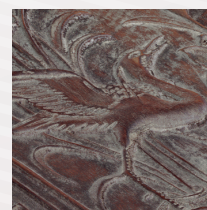
SupraScan Quartz A0 and Quartz A0 HD embed a revolutionary 3D scan technology.

Best 3D imaging solution for documents with relief and embossed surfaces like:

- | | |
|---------------------|------------------------|
| • Coins | • Wallpapers |
| • Writing tablets | • Paintings |
| • Grain of the wood | • Graphics collections |
| • Fossils | • Book covers |

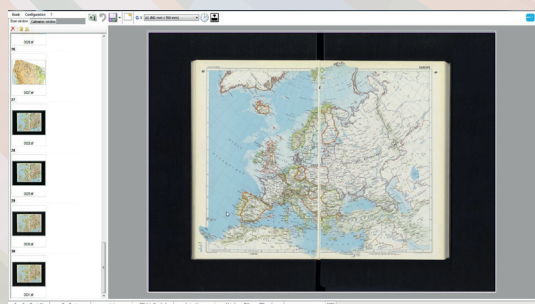
Multiple file output:
2D high quality color images
3D file (.OBJ) such as :

- High Resolution – digital archiving
- Medium resolution – 3D printing
- Low resolution – share on digital library



*Contact us for availability

Software



- ROI (limiting the scan area to the width of the document being scanned)
- Image displayed during scanning
- Multi frame management: saving multiple files from one scan
- Automatic format detection
- Auto-focus (HD Model)
- Real-time lighting correction
- Light "On" only during scanning
- Automatic calibration & Fine tune calibration menu
- ICC Profile management
- Thumbnails flow
- Production environment: login, metadata tagging, METS outputs
- Multilingual operator interface
- Embedded image processings (live deskew, live cropping, finger masking, details enhancement, contrast enhancement...)

Technical Specifications

<u>Type</u>	A0 format planetary book scanner
<u>Camera</u>	Tri-linear sensor Automatic Focus (A0 HD LED)
<u>Optical resolution</u>	300 x 300 dpi on A0 format (QUARTZ A0 LED model) 600 x 600 dpi on A0 format (QUARTZ A0 HD LED model) 1000 x 1000 dpi on A2 format (QUARTZ A0 HD LED model)
<u>Scan time</u>	8,5 sec at 300 dpi - A0 format 12 sec 400 dpi - A0 format 17 sec at 300 dpi - HD model / A0 format 23 sec 400 dpi - HD model / A0 format 34 sec at 600 dpi - HD model / A0 format
<u>File formats</u>	TIFF, TIFF (multipage) , JPEG, JPEG2000, BMP, PDF, PDF (multipage), PNG, DNG
<u>Interface software</u>	LIMB Capture, operated by Windows 7, 8, 10 / 64 bits
<u>Accessories</u>	Motorized book cradle 40 Scanning area : up to 1250 x 850 mm / 49,2 x 33,5 in. (open book) Document thickness : up to 40 cm / 15,7 in. Document weight : up to 40 kg / 88 lb.
<u>Dimensions (L x l x h)</u>	Scanner : 2530 mm (99,6") x 1710 mm (67,3") x 2350 mm (92,5")
<u>Weight</u>	Scanner : 170 kg (374 lbs) Book cradle 40: 284 kg (626 lbs)
<u>Power requirements</u>	100v – 240v , 50Hz 60Hz 500 VA max
<u>Warranty</u>	1 year on spare parts and software updates, extendable to up to 5 years
<u>Certifications</u>	CE / FCC part 15 conformity Low voltage electrical safety EN60950 radioelectrical disturbances EN55022, EN61000 -3-2, EN61000-3-3 electromagnetic immunity EN55024

The information on this brochure is subject to change without notice v3 January 2019

About i2S

SOLUTIONS FOR YOUR DIGITIZATION PROJECTS

i2S is a company specialized 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, including robot scanners.

Today, more than 4.000 book scanners are installed at more than 1.000 customers' sites around the world.

At i2S we work with passion and dedication for our customers, taking up the challenge of putting innovation at the service of digitization projects efficiency.



i2s



@i2SBeVisionary



i2sinside



i2S Innovative Imaging
Solutions



i2S Be visionary

www.i2s.fr

e-mail: contact@i2s-digibook.com

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Vacuum Table

A0

Aspiration area
1215 x 865 mm

Low Noise
< 70 dbA at 1 m

No Maintenance
No Consumables

Multiple Masking
Accessories



Vacuum Table allows scanning large format documents such as :
maps, drawings, paintings, posters, book jackets, fold-outs,
rolled documents, folded technical drawings.

Equal aspiration force at any point of the document.
Smooth surfaces and edges preserve fragile documents.
Holds rolled documents having a strong peeling force.

Variable masking of aspiration surface, fits any document size.
Perfect flatness for optical focus on all the area.
Vacuum plate can be detached from the chariot.

Silent vacuum pump with high aspiration capacity.
Foot switch turns on and off vacuum for instant page flattening.
Long pipes & cables to place the pump away from the workplace.

Can be inserted under an A0 book scanner.
Easy to move, includes a chariot with adjustable wheels.
Compact design, storage space for accessories under the plate.



 **SWISS MADE**

Vacuum Table

A0

TECHNICAL SPECIFICATIONS

DOCUMENTS ACCEPTED

Document types maps, drawings, paintings, posters, book jackets, fold-outs, wavy pages, rolled documents, folded technical drawings

Document surface max. 1215 x 865 mm

FEATURES

Metallic surface accepts the use of magnets.
Surface masking by horizontal and vertical ribbons.
Aspiration level managed by masking unused surface.
Pipe length = 10m, Footswitch + cable length = 10m
Flexible vacuum pipe internal diameter = 32mm

ACCESSORIES INCLUDED

Set of masks for reducing aspiration surface.
Black wadding mat for producing diffused aspiration.
Perforated mat for changing density of aspiration holes.
Set of cylindrical magnets + set of black magnetic ribbons.

DIMENSIONS

Aspiration Area	1215 X 865 mm
Vacuum Plate	1235 x 885 x 55 mm – 30 kg
Pump (on wheels)	400 x 400 x 480 mm – 27 kg -150 mbar @ 50 Hz -180 mbar @ 60 Hz
Chariot (on wheels)	1230 x 800 mm – 27 kg adjustable height of wheels places table height at 790-840 mm

PACKING

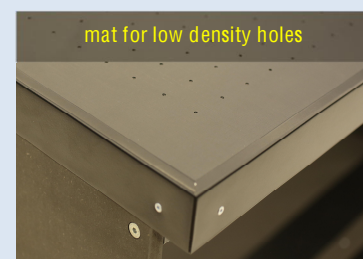
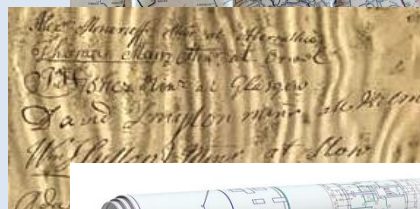
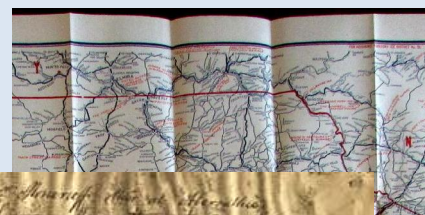
Plate, Table, Pipes	1390 x 990 x 550 mm – 145 kg
Pump	700 x 600 x 680 mm – 50 kg

ELECTRICAL

Model 115	115 V, 11.3 A @ 50 Hz /13A @ 60 Hz
Model 230	230 V, 5.6 A @ 50 Hz /6.5A @ 60 Hz
Power at max load	1300 VA @ 50 Hz, 1500 VA @ 60 Hz
Power breaker	recommended : type C

OPERATING

Temperature range	10°C /50°F and 35°C /95°F
Noise level	< 70 dBA at 1 m from the pump



 **SWISS MADE**

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