



Groundbreaking Camera Stands Tall

i2s has unveiled its latest innovation in archival digitisation, the REPRO LAB CH, motorised camera system, set to transform the flexibility and precision of archiving.

This advanced system features a motorised camera stand with adjustable height, so able to capture a wide range of content sizes and resolutions with exceptional clarity.

Key to the Repro Lab's design is its adaptable height adjustment. This feature permits digitisation of many items, from compact documents to expansive maps and artworks, each piece captured at the highest quality.

The system adjusts to the specific needs of each archival item, whether it's a fragile manuscript or a sizable format print, the digital scans are consistently high quality.

The **REPRO LAB CH** offers two high-resolution camera options for different archival needs. The i2s 71mp EAGLE Camera is perfect for capturing intricate details of smaller items. The 156mp ROCK Camera, on the other hand, is designed for larger items, meaning every detail is preserved



with the utmost clarity and precision.

To enhance the performance of these cameras, i2s has integrated a selection of lighting options, ranging from standard to professional setups. These lighting solutions provide even, glare-free illumination, crucial for high-quality digital captures.

Accompanying the hardware is the i2s LIMB Capture software, an intuitive, user-friendly platform that makes the digitisation process efficient and accessible.

Designed with mobility and adaptability in mind, the **REPRO LAB CH** motorised camera system is an ideal solution for both is accurately digitised, preserving valuable materials for future generations.

For those interested in exploring the Repro Lab CH motorised camera system further, AutoDocs is available to provide detailed information and support. With expertise in archival digitisation solutions, we help you choose the right system to meet your archiving needs.

The i2s **REPRO LAB CH** is a significant leap forward in archival digitisation technology. With its unmatched flexibility, advanced imaging capabilities, and comprehensive support tools, the system redefines archiving standards.

Available to purchase summer 2024.

Contact sales@autodocs.co.uk for further information on options and prices.



Livingston up to its name

We've just taken a massive leap into the future - or at least a leap to Livingston, West Lothian. That's right, we've upped sticks from Glasgow, and settled into our new, quite spectacular base right in the beating heart of Scotland's central belt between Edinburgh and Glasgow.

Why Livingston, you ask? It's all about location, location, and - you guessed it - location! Livingston sits nicely on the M8, allowing easy access for the commercial vehicles that carry our precious cargo of archives and heritage documents.

With Edinburgh Airport just 10 minutes drive away, international connections are a

breeze, guaranteeing operations tick over as smoothly as a luxury watch.

Our new Livingston facility boasts a dedicated 1GB fibre broadband line, a secure yard, and remote alarm & CCTV monitoring to ensure the highest level of security for your documents and media.

With climate control and easy access to all main motorways, including those to the north, south, and west of the UK, our facility is designed to provide a seamless and efficient service to our clients.

We're buzzing away in Livingston like bees on double espressos. AutoDocs has gone from on-the-move to on-the-up.



i2s A0 Quartz - New Generation

Experience unparalleled image quality and efficiency with the i2s QUARTZ A0 scanner, offering the perfect blend of speed and high-resolution imaging.

i2s A0 Quartz now boasts an impressive scan cycle time of 8.5 seconds at 300 dpi and 17 seconds at 600 dpi optical.

Meeting ISO 19264-1/A, Metamorfoze Full, and FADGI 4* standards, with a tri-linear RGB sensor eliminating moiré patterns and maintaining perpendicular camera alignment to prevent distortions, the QUARTZ scanners achieve over 90% resolution efficiency at 400 ppi, making them ideal for both large A0 and smaller documents at resolutions up to 1000ppi. i2s Quartz delivers a Colour Rendering Index of over 90 for unsurpassed colour reproduction. With a scanning area of up to 1300 x 927 mm, these large-format scanners are perfect for a variety of applications.

The self balancing book cradle accommodates up to 40 cm spine thickness, and a glare-free LED lighting system.

i2s A0 Quartz with 40cm book cradle was recently installed at Cardiff University,

VACUUM TABLE

A further welcome addition to the A0 Quartz range of accessories in 2024 is the new A0 vacuum plate for use with the i2s A0 Quartz scanner. The vacuum plate is a conservationist's dream, applying light suction from underneath the scanner bed to the page being imaged, with no contact to the face of the content. This innovative feature keeps the document securely flat, providing the best conditions for high-quality image production with minimal risk of damage to large, fragile, and difficult-to-handle documents.



Before



After

Alan Hughes from Cardiff University commented:

"We chose the i2s A0 Quartz in response to a recognised business need for a larger format scanner. A0 scanning capacity extends the range of material we're able to digitise, both from our own collections and from those of collaborators. This enhances our offer as a potential digitisation partner, and increases the likelihood of success when applying for competitive grant funding.

We're currently using the i2s to digitise large format, limited edition artists' books. These books feature handmade, deckled-edge paper, and customised, hand-stitched bindings. The option to customise light source direction enables us to illuminate the books with a raking light, making visible subtle features that are unique to these works: paper texture, type indentation, and blind-embossed (un-inked) engravings. These features are able to be appreciated when the books are held and tilted to the light at certain angles, but can be challenging to capture using photography. The i2s helps us achieve our ambition to give researchers anywhere in the world the same quality of experience as those able to visit our reading room".

The i2s produces excellent quality images, and operates much faster than expected, speeding up the rate at which we can digitise our collections for

public access. Auto Docs have been extremely responsive and helpful from the initial setup to ongoing maintenance of the equipment, and have been able to answer any question raised to our satisfaction.

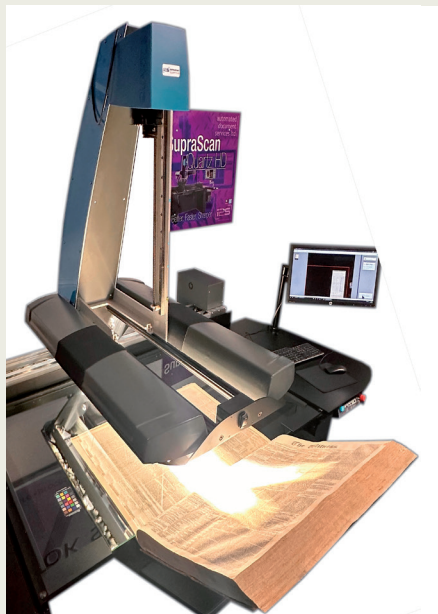


A0 Scanner

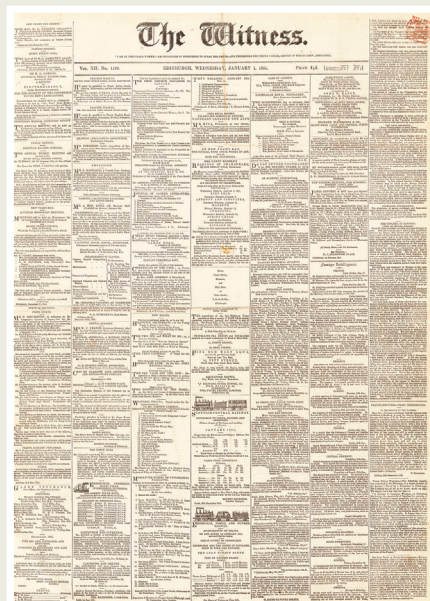
90-120 DEGREE CRADLE

i2s continue to deliver new innovation with 90-120 degree angled book cradle with (or without) glass plate for use with A0 Quartz for volumes that partially open.

This provides a safe and secure environment to digitise bound volumes up to A0 in size that cannot be opened fully.



90-120 Degree Cradle on Scanner



The Witness

DIGITISATION SERVICES USING I2S A0 QUARTZ AND 120 DEGREE CRADLE

AutoDocs recently showcased the prowess of the A0 Quartz scanner through their successful completion of The Witness Newspaper digitisation project in collaboration with Edinburgh University.

The Witness, a twice-weekly newspaper established by the Church of Scotland in

1840 and edited by the influential writer, geologist, and stone mason Hugh Miller, offers a valuable primary source covering the Disruption of 1843, a significant event in Scotland's social and religious history.

Edinburgh University received funding from The Church of Scotland to digitize this collection and, in collaboration with AutoDocs, employed the i2s A0 Quartz scanner and 90-120 book cradle to tackle this challenging project. In 2022, a pilot project to digitize the unbound, loose volumes using the standard book cradle was completed, and in 2024, the bound volumes were digitised using the specialized i2s 90-120 degree book cradle on the A0 Quartz at 600dpi, producing highest quality images in a conserve handling and safe manner.

Susan Pettigrew, Edinburgh University, commented

"The editions are bound into large format volumes that would be difficult to capture in-house at our studios. For this reason, it was decided to contract the digitisation out to AutoDocs, who have specialised equipment and the experience to undertake such a delicate project.

Conservator, Katharine Richardson and I visited the company in summer 2022 to discuss the equipment, handling, transport, storage details and file management with the AutoDocs team.

We were able to see the A0 Quartz in operation and discovered that it was possible to get a [90 -120 degree] cradle attachment for the scanner that would better support the fragile spines of these volumes. We are delighted with the quality of the 600dpi tif images produced."

For more information on Edinburgh University, The Witness project go to: libraryblogs.is.ed.ac.uk/diu/tag/the-witness-newspaper/

VISIT OUR OFFICE AND SEE FOR YOURSELF HOW THE QUARTZ A0 REPRESENTS A PEAK IN THE EVOLUTION OF SCANNING TECHNOLOGY, COMBINING HIGH PRECISION, ADAPTABILITY, EASE OF USE & SPEED.

Scanning the Calendar: Exciting Events Past and Future

We had a fantastic experience at the Museums & Heritage Show 2023, and we're eagerly anticipating the 2024 event, scheduled for 15-16 May at Olympia, London.



MUSEUMS + HERITAGE SHOW

MUSEUMS & HERITAGE SHOW

Last year, we had the pleasure of interacting with a diverse group of

professionals from museums, galleries, and heritage sites. Our team loved demonstrating the latest scanning technologies and expanding our network.

This fantastic event provided a vibrant platform in bustling London for exchange of ideas and exploration of new opportunities. We're looking forward to another year of engaging discussions and demonstrations that highlight the latest advancements in technology and service offerings in the heritage and cultural sectors.



ARCHIVE AND RECORDS ASSOCIATION

At the Archive & Records Association conference in Belfast in 2023, we

connected with many professionals who share our dedication to preserving and managing records. This year, the conference will move to Birmingham from 28-30 August, under the theme 'Climate and Crisis: Tackling It Together'.

We're excited to bring our expertise in digitising and managing archival materials to the forefront, contributing to discussions that aim to enhance our responses to global challenges.



DIGITAL SCOTLAND

Digital Scotland 2023 in Edinburgh was another great one for us. This busy exhibition provided

an excellent venue to discuss digital transformation within the Scottish public and private sectors. As we look towards the 2024 event, also set to be held in Edinburgh (26 Nov at the EICC), we anticipate further opportunities to bring our scanning solutions to a wider audience.

We hope to see you at a future event but if you can't make it, just contact us to arrange a private site visit and demonstration and we'll chat about how we can meet your digitisation demands.



Archiving the Arches: Our Role in Iconic Bridge Project

As we mark the **60th** anniversary of the Opening of the Forth Road Bridge, a significant engineering marvel in Scotland, our role at AutoDocs in preserving its rich history is worth a mention!



Partnering with Transport Scotland and the Scottish Roads Archive, we readily took on an extensive project to digitise a wealth of historical documents associated with the construction of the bridge.

The mammoth task included 8mm film reels, filmstrips, photographs, glass plates, and detailed reports, each holding invaluable insights into the bridge's construction.

The Forth Road Bridge, which opened in September 1964, is a timeless piece of Scottish architecture spanning the glorious Firth of Forth. This iconic structure is a symbol of Scotland's engineering power and architectural history.

In preserving that history, we honour the legacy of those who toiled hard to build this beautiful bridge. We know our part in keeping the story alive helps maintain public appreciation of such a great engineering feat. The project has been a resounding success! Transport Scotland now has high-quality digital archives delivering the long-term preservation of the bridge's historical documents.

These collections now provide easier access for researchers and the public, all who gain a deeper connection with Scotland's industrial heritage.

As we celebrate this landmark anniversary, our work with the Forth Road Bridge documents shows the vital role of advanced digitisation technologies in safeguarding our collective memory.

Through our digital archiving, Transport Scotland and the Scottish Roads Archive can continue to tell the story of this iconic bridge and inspire the engineers of tomorrow.

Email sales@autodocs.co.uk for more information.



We are grateful to Autodocs for their assistance in the digitisation of records relating to the Forth Road Bridge, particularly ahead of its 60th anniversary. Their attention to detail and enthusiasm is clear and we are delighted with high quality files provided. We look forward to collaborating on other similar projects in future.

Stuart Baird,
Chair, Scottish Roads Archive

www.scottishroadsarchive.org

AutoDocs Completes Groundbreaking Mass Digitisation Project for Historic Environment Scotland - 35mm film



AutoDocs are thrilled to announce the successful completion of a significant mass digitisation project involving approximately 80,000 35mm slides of architecture and archaeology for Historic Environment Scotland's framework agreement.

The framework agreement, awarded to Automated Document Services Ltd in December 2022, kicked off its first project in October 2023. This monumental task demanded a robust and comprehensive approach to digitisation, and AutoDocs delivered just that.

COMPLEXITIES OVERCOME

AutoDocs faced several challenges in this project, particularly in ensuring that the slide images were captured and maintained in their original order. To achieve this, the team developed an internal system tailored to manage the intricate process of imaging the film, extracting data from the respective film card, and matching the film with data to produce high-quality, sequentially renamed images.

The team imaged contact sheets using a backlight overhead camera system to record both the front and rear of the sheets, as well as the order of slides within them. Each box, sleeve, and slide position was assigned a unique file reference ID to maintain the sequence and integrity of the images.

DATA CAPTURE AND IMAGING

To facilitate handwritten data capture from the slide cards against the unique ID reference, a dedicated process was initiated to create individual slide images with the card holder. The 35mm slides were captured at an impressive 4000dpi and output in high-quality TIFF format.

Moreover, separate processes were implemented to identify and manage varying film types, including Kodachrome, ensuring a comprehensive and meticulous approach to the digitisation process.

QUALITY CONTROL EXCELLENCE

Highly tuned Quality Control was made possible by the development of a bespoke web portal which managed all stages and tasks. It provided statistical insight into the images which made organising, controlling and correcting, the output of the images first time. Our rescan rate was <0.1% proving the success & benefit of our customised QC solution.

Hannah Smith, Historic Environmental Scotland commented

"We're pleased to share our experience of the recent digitisation of a collection of 35mm colour slides with Automated Document Services. Undertaking a project of this scale was no small feat given the complexities involved. The decision to digitise this specific collection was driven by our commitment to preserving these invaluable materials for future generations as these had become at real risk of degradation.

The slides showcase architecture and archaeology from across Scotland depicting sites, monuments and buildings which may no longer exist. The complexity of the task was not underestimated, and we're appreciative of the meticulous approach taken by our digitisation partners. Despite challenges inherent in such a large scale endeavour, we're very happy with the outcome and confident in the accessibility and longevity of our digitised collection."

