Cultural Heritage Digitization

Preserving the past for the future
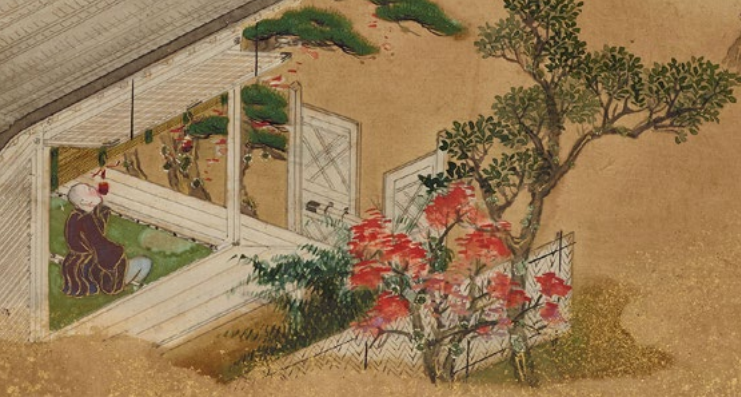
tripont
Cultural Heritage Solutions

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Founded 25 years ago, Tripont has been lead by its current management since 2013. They ensure the financial and professional background for our ever-evolving company, which has become one of the leading professional photography technology companies in Hungary.

Tripont is a reseller and representative of major brands in the photo and video industry. We are the official distributors of Nikon, Sony, Canon and Fujifilm cameras, Profoto, Hensel and Nanlite lighting equipment, Manfrotto and Kaiser studio equipment and DJI drones.

One of our most important partners is the world-leading Danish Phase One, a provider of high-end digital photography solutions.

Our website: tripont.hu

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Cultural Heritage Solutions

In addition to commercial activities, our company places great emphasis on becoming a significant contributor to cultural enrichment. Along with our arts support and sponsorship programs, we have been developing our cultural heritage digitization and museum technology business in recent years.

We provide regional representation of Phase One Cultural Heritage Solutions products in Central Europe and function as the regional branding and training center.

Our CHS site: digitalizalas.eu

PHASE ONE
## solutions for digitizing cultural heritage

The Phase One XF camera, with its 100 or 150 mega-pixel IQ4 digital back back and its dedicated Schneider-Kreuznach lenses, forms a flexible, modular system for every photographic task. The system represents a „future proof" technology that is constantly evolving.

With the development of iXG, an intelligent camera system to digitize large volumes of variable-size originals, Phase One provides an exceptional tool for professionals in the fields of robotic 3D scanning, machine vision, multi-spectral sensing and photogrammetry, in addition to its cultural heritage digitization functions.

Beside of dedicated hardware devices, the core of the system is Capture One CH software, which, with its high degree of automation, is the industry's most powerful camera control and image processing software.
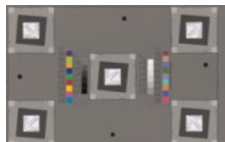
The devices not only meet the most stringent international museum technology standards, but often exceed them.

Phase One supports the presentation, research, preservation, or museum-education tasks of modern museums with accurately reproduced, high-resolution digital copies of artefacts.

Kaiser
reprographic stands, accessories

German company Kaiser's digitizer stands and photographic accessories are indispensable in museum technology. They have solutions for every task, from the still life tables to the power-driven precision reproduction stand.

Phase One Accessories
capture accessories

The Phase One Film Capture Stage is an accessory for digitizing transparent originals that can accommodate most film formats (from 35mm to 8x10" sheet films) and glass plates (from 9x12 to 24x30cm). This means of digitizing is up to 400 times faster than conventional scanning.

Digital Transition Accessories
capture accessories

Book Cradle , developed by the US partner of Phase One, is a dedicated tool for digitizing books and even book rarities. The DT Photon LED lighting system, with its outstanding color fidelity, is specifically designed for museum technology applications.

fotó: Branislav Vojnović és Veselin Milunović

Treventus
high volume book digitization

As a distributor of Treventus technology, our company offers a solution for digitizing books and bound documents in mass.

The ScanRobot automatic book scanner (3,000 pages per hour) and the add-on software environment – the automatic processing, scanning functions with ScanGate and the complete process control software Organizing ScanFlow – form one of the fastest and most efficient book digitizing workflow.

The OCR software for converting images into text features a multi-indexed dictionary and character recognition algorithm, supported by artificial intelligence, to recognize over 190 different languages.

The Nainuwa electronic library, archive and publication system uses one of the most advanced search and view engines. It is capable of managing, displaying, researching, sharing, and publishing secret and public documents, books, pictures and other multimedia files. It even supports direct sales from the program.

SZKENNELÉS — KÉPFELDOLGOZÁS — MUNKASZERVEZÉS — PUBLIKÁLÁS

ScanRobot® 2.0 MDS — ScanGate™ — ScanFlow™ — Nainuwa™

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Profoto
studio flashes and light shapers

During its fifty-year history, Swedish Profoto has become one of the most popular flash systems among professional users. Due to its high reliability, unparalleled technical parameters and easy operation, it is some of the best lighting equipment on the market.

Nanlite
continuous light, high color-fidelity LED panels

Large surfaced, even-emitting LED panel, aspecially designed for photographic applications, with a high color rendering index that approximates natural light. Ideal for even illumination of planar or spatial objects, and reprographic tasks. It has a lifetime of 50,000 hours.

Sekonic
light meters, spectrometers

Sekonic's light meters and spectrometers are essential tools for industrial, scientific and artistic photography, so they are also indispensable for reprographic and museum photography.

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fotó: Branislav Vojnović és Veselin Milunović

Digitization, photogrammetry

„We can talk about digitization if the artefact becomes visually researchable."

With Phase One camera systems - the iXG 100MP, the XF IQ3 100MP Trichromatic or IQ4 150MP digital backs, we deliver the highest quality of cultural heritage digitization.

Unique in Hungary, this service also provides access to state-of-the-art technology to institutions or private collections that have no way to purchase their own system or who would like to test the technology with their own materials before purchasing it („Pilot projects").

In addition, we can provide this service at very reasonable prices due to the efficiency of our devices.

Ask for a quote!

The extraordinary resolution of our cameras, their exceptionally wide dynamic range and their perfect color rendering allow us to take more detailed pictures for research of a glass negative from the golden age of photography, a hundred-year-old statue, or a priceless painting.

The wide range of devices lat our disposal allows us to meet the demands from the super-macro range to documenting the condition of buildings, from photogrammetric tasks to scientific aerial photography.

You can see a selection of our work to date on the „References" page and on the inside covers of this publication.

What else do we do?

- **Pilot projects:** On-the-spot digitization + technology demonstration + needs assessment and complete solution proposal.

- **Technology Demos and Training:** Phase One Cultural Heritage Solutions and Capture One CH software training and demonstration. Training in a workflow that conforms to international collection standards (FADGI, ISO 19264).

- **Developing a color-managed workflow:** Teaching ISA (Image Science Associates) Golden Thread image quality and color accuracy standard, in-service training + testing and evaluating customer systems.

- **Expertise:** After a needs assessment, we review the technology currently used by our customers and cooperate with them to work out the most appropriate strategy for any development that may be required.

- **System integration:** We personally install the solutions we deliver and verify that our systems fit into previous workflows.

- **Follow-up and support:** We provide technical and technological support to customers using our systems. We are available by phone, email or chat beyond the warranty period.

- **Providing IT background:** For the huge amount of digital data resulting from digitalization, we can develop solutions for storage and data management, deploying server or cloud services, and we could also provide a complete IT system design.

Our references in 2019

- **National Bank of Hungary:** operation of previously delivered book digitization system and electronic archive capable of handling sensitive materials
- **Hungarian National Museum:** 250 pieces of 18x24 glass negative and 3D model of Csorna and a copy
- **Budapest University of Technology** and Economics Library of Civil Engineering: Digitization of 8,000 drawings and sketches
- **Hungarian Academy of Sciences Oriental Collection Library:** digitization of photographs by Aurél Stein
- Printing of the material of the **Hungarians on the Silk Road**, Digitization and duplication of 14th century Arabic documents
- **Fortepan:** Digitization of 150 different negatives for prints for an exhibition in the National Gallery
- **Military History Museum:** Digitization of large glass negatives
- Digitization of the **Károly Kincses collection**
- Digitization of photographer **János Eifert's oeuvre**
- Digitization of photographer **László Lugosi's oeuvre**
- Digitization of the **Museum of Ethnographic**'s glass negatives
- **Museum of Theater History** – Digitization of negatives for conservation
- **Habsburg Otto Foundation**- as pilot project, test digitization and exhibition materials
- **Gyula Andrássy Foundation**- pilot project, test digitization, exhibition material negatives

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