



Archive scanner

Digitization of heterogeneous materials

We developed together with our customers a scanner which perfectly meets your individual, archival requirements. Hard- and software correspond together and are configured for the digitization processes, especially in municipal archives. Digitalize flexibly a multiplicity of materials apart from standardized book collections. This budget-friendly solution also enables small intuitions to run a professional digitization.

Archive scanner

Flexible, fast and budget-friendly

High demands are requested on a scan station for archival goods. The very heterogeneous material can hardly be digitized on a classic book scanner. The archive scanner serves exactly this requirement and fits into any institution that wants to digitize objects apart from the standardized book inventory. Possible application scenarios are digitization of files, documents, newspapers, photos, maps, posters, coins, seals and other flat objects as well as transmitted light scans such as glass plate negatives, slides, film strips or watermarks. With the anti-glare touchscreen (1), the operator selects an application and can directly start his work. Annoying, constantly recurring adjustment work is avoided. At the same time, an unwanted change in stored digitization parameters of individual jobs is impossible.

The advantages of the archive scanner

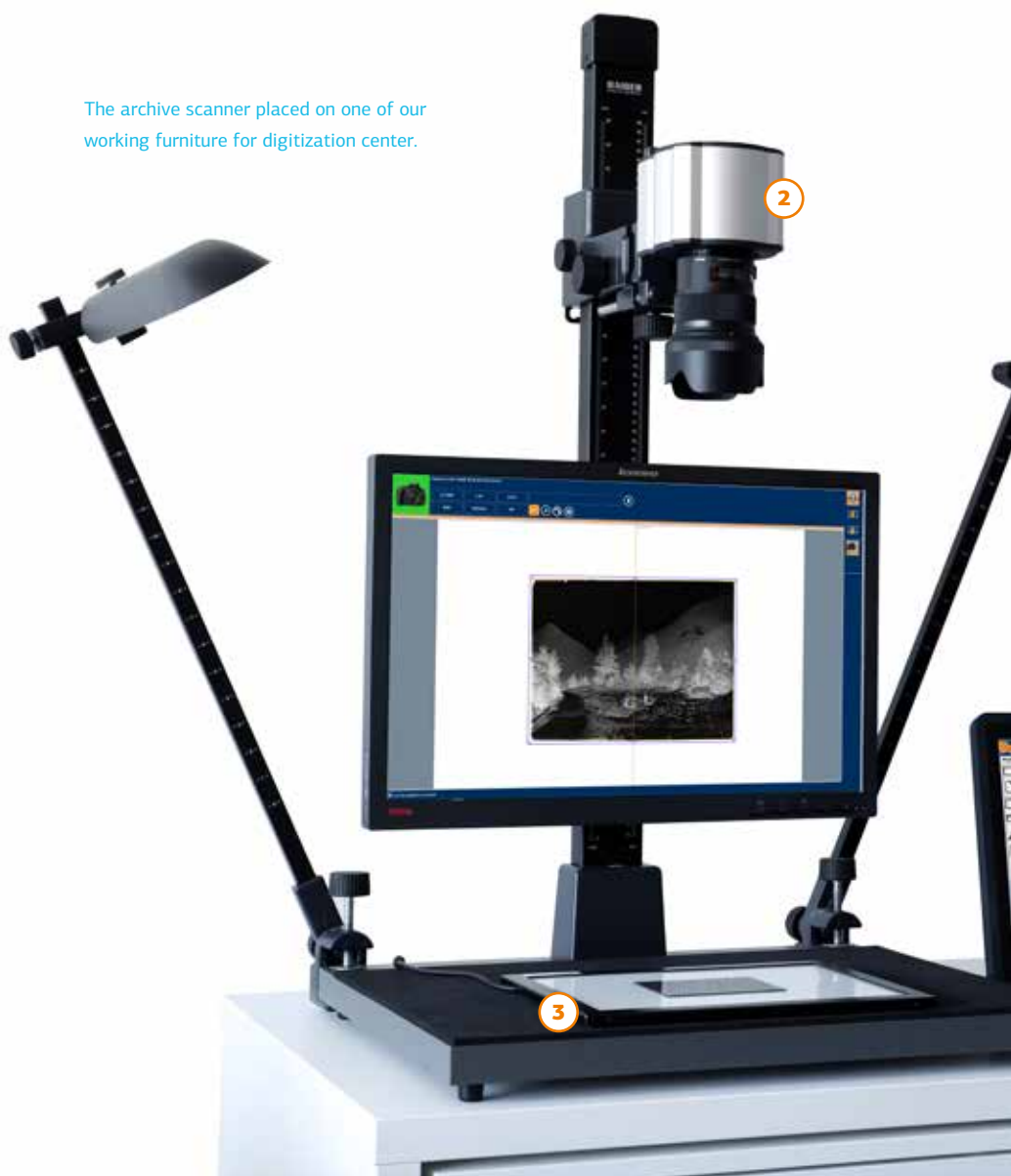
Depending on the selected equipment, the archive scanner is provided with an industrial camera (2) or a digital single lens reflex camera from Canon or Nikon. This enables the archive scanner to be more budget friendly and more flexible than a classic book scanner.

Furthermore, you can simply exchange or upgrade individual components, such as the camera, the lens or the PC, over time to keep the archive scanner current without taken high investments. Thanks to its modular design, you can configure the archive scanner for your individual needs. Adjustments or modifications for new tasks, for example the usage in museum or for restoration records, can be done very cost-effective.

The LED light table (3) in combination with a high-quality macro lens allows the digitizing of all transparent documents like slides and film stripes with a resolution up to 6.000 dpi.

This is possible via the camera height adjustment, so detailed objects can be digitized with a higher resolution as text-oriented ones.

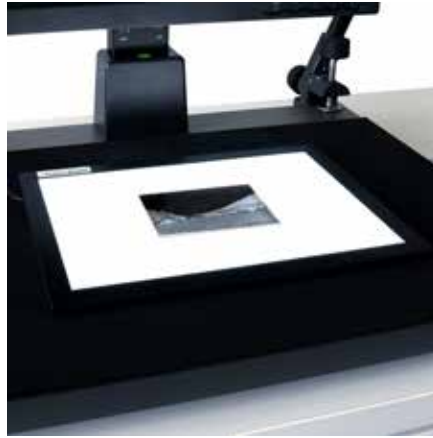
The archive scanner placed on one of our working furniture for digitization center.



Objects like coins, seals and medals, but also watermarks are often kept in archives. In order to digitize these kind of materials besides the high resolution, you also need an accentuation of the embossment. With the archive scanner you just bring the camera head closer to the object to ensure a higher

resolution and set to one-side lighting or you reduce the light intensity. To avoid shadows or highlight watermarks, the objects are placed on a LED light table.

Thanks to the dpi measurement which is integrated in multidotscan, the operator receives support in the determination of



Available as accessories (from left to right):

- Bookholder with foam elements for height compensation and glass plate
- LED light table
- Plastic fingers
- Barcode recognition
- Foot switch



the camera height and gets a reproducible resolution for recurring template sizes.

Functionalities, such as automatic format detection, page separation and automatic deskew, support the daily work just as the pre-structuring of the digital copies and the attachment of the metadata like resolution,

dimensions, file type, copyright and parallel storage of different file formats.

The live preview on the LCD monitor, including automatic or manual frame setting, as well as the operation of multidotscan via touch screen monitor, ensure a high digitalization performance. Before scanning

you already can check whether the object is correctly placed or lighting and frames are suitably set, whereby a post-scanning is unnecessary. Furthermore, this arrangement serves an optimized operating ergonomic.

The archive scanner is easy to operate. Thanks to the simple structured user interface, workflows can be predefined, so that even unskilled employees are able to run the system without long training. Thus, the resources of skilled labor focus on description work and the digitization process becomes more budget-friendly. In addition to the internal use, the archive scanner can also be used by externals. They get only with one click a complete, usable result.

Archive scanner	
Max. document size (in cm)	45 × 43 to 100 × 80
Optical resolution (dpi)	300 to 6.000
Autofokus	✓
Scan mode	24 bit
File mode	TIFF, TIFF G4, JPEG, BMP, PDF
Head height adjustment	Manual or motorized
Basic configuration	<ul style="list-style-type: none"> → live preview → automatic format detection → image processing → camera height adjustment → LED lighting → Touchscreen → antiskid foam pad → color checker
Accessories (optional)	<ul style="list-style-type: none"> → additional large sized monitor → high-performance workstation → bookholder with foam elements for height compensation and glass plate → LED light table → plastic fingers → barcode recognition → foot switch

About Walter Nagel

The Bielefeld-based company is specialized in the conception and installation of digital business in libraries, archives and museums. Its portfolio covers book scanners, workflow software as well as the strategic platform Visual Library. Walter Nagel GmbH & Co. KG offers its demanding customers manufacturer-independent solutions from one single source. The broad range of services comprises from creation of tailor-made solutions to selection and implementation of safe functioning hardware and software from various manufacturers up to professional project management. Their customers are well-known museums, libraries, university and library associations as well as federal consortia in Germany, Austria and Switzerland.

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