

Release treasured content trapped in historical documents

## Scanning Records is Only the Beginning

As a historian or librarian, you understand that history resides in a predominately analog world; the future, however, is certainly headed in a digital direction. Making historical texts and archived information available in this new digital world is the key to preserving their relevance.



### Scan, Index and Classify Historical Records

Many historical manuscripts and medieval books are written in a single-hand script or in a historical font such as 'Fraktur', 'Kurrent' or 'Blackletter.' They may also include different forms of the same letters as well as a large amount of superscripting, subscripting, and other hard-to-reproduce written formats. Examples include the early Presidential papers at the Library of Congress, the collected works of W. E. B. DuBois at the University of Massachusetts Amherst Library, or the Gutenberg Bible, just to name a few. Until now, the only way to capture the content of such old documents has been to scan the document and to manually transcribe the text.

In an effort to save space, preserve documents, and make data more widely available, massive scanning and data capture projects have been initiated and are still ongoing. But scanning paper records is not the end of the preservation process; it is the beginning. Indexing and classifying those records so that they can be available in the future is critical to the success of the conversion process. That is where ArgusScribe can help. ArgusScribe allows historians and researchers to automatically transcribe old texts found in archives and libraries. Based on Planet's leading proprietary ICR (Intelligent Character Recognition) technology, ArgusScribe cost-effectively and efficiently converts large volumes of texts locked in historical formats into digital format, including handwritten or hand-printed script and 'Gothic' or 'Kurrent' alphabets.

### Full Text Reading of Historical Documents

Given the large amount of variability in the handwriting data fields and the low quality of captured images of the material, historical documents are traditionally transcribed by hand to make them digitally available. Each word must be manually deciphered and annotated. This process is time consuming, costly, error prone and tedious. ArgusScribe for historical documents significantly reduces the time and effort required while maximizing reliability and accuracy.

## Features

### ArgusScribe converts:

- Documents from book scanners, film scanners, and cameras
- Multiple input formats, including jpeg, tiff, bitmap, and pdf
- Historical fonts such as 'Fraktur', 'Gothic', and 'Sütterlin'
- Grayscale or binary
- Handwritten and hand-printed script
- Historical scripts such as Fraktur, Sütterlin, Antiqua, Blackletter, and Kurrent
- Structured and unstructured books, documents, letters, speeches, manuscripts

### Sample projects include:

- Automatic transcription of historical books and texts
- Data Extraction for repositories and search applications
- Indexing, sortation, and categorization of large volumes
- Data validation and verification

### ArgusScribe may be used by:

- Government Archives (Manuscripts)
- Libraries
- Genealogy Research (Census Data, Obituaries, Passenger Manifests)
- Universities
- Museums
- Data Service Providers

## Planet IS

At the cutting edge of neuro-informatics, Planet Intelligent Systems develops biologically-inspired computing technologies featuring human-like intelligence. Planet's system architecture is constantly evolving and always integrating the latest concepts of neural network computing and artificial intelligence to push our propriety and powerful algorithms at the center of our solutions to new performance levels. Planet's writing recognition technology is at the leading edge of technology, winning prestigious prizes at the 2015 International Conference on Document Analysis and Recognition, 2014 International Congress on Frontiers in Handwriting Recognition (ICFHR) as well as the 2013 International Conference on Document Analysis and Recognition. The unrivalled capability and accuracy of our data capturing solutions in postal automation, traffic surveillance analysis and document conversion are a testament to the breakthrough capacity of our technology.

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