



## DOKuStar Validation

### **DOKuStar** Capture, check and correct

No matter how mature a document analysis software is in its abilities to capture and interpret data, there are always some documents that cannot be fully automatically processed and that will have to undergo manual post-processing.

With DOKuStar Validation this is done ergonomically and thus most efficiently. The product does not only process the results of the DOKuStar recognition, it is also used for tasks requiring the capture or correction of data from images. The image of the scanned document, along with the data extracted by the recognition software, is displayed on the screen and ready for manual post-processing by the operator.

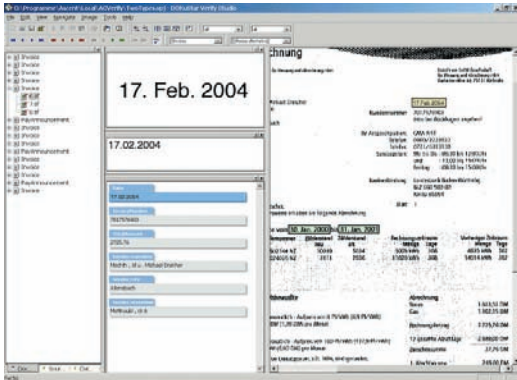
The user interface is optimized for quick and ergonomic processing. Data fields are synchronized with the corresponding image details and arranged in order to reduce the user's eye movements. Depending on the operating mode, the user is guided through the processing steps in different ways. In the most simple case, the user "jumps" from one questionable data field to the next. DOKuStar Validation processes multi-page documents or single pages consisting of either black/white, grey or color images.

The documents can be deeply structured, i.e. the top level of the structure is, for instance, a file, which consists of several documents. The respective documents may include subdocuments, each of which comprises one or more pages.

Erroneous document classification is corrected straight away, whereby the software immediately indicates the appropriate input mask for the new document class. Faulty document structures can be easily corrected using drag & drop. Single documents can be split into separate elements and several documents can be merged into one. In addition, pages can be moved from one document to another.

DOKuStar Validation offers input fields allowing the change of data allocated to a certain document. A special feature of DOKuStar Validation are the specific fields, e.g. for editing tables. Order positions of an invoice can be comfortably edited. Each single table element is synchronized with the according image snippet, even if the order positions stretch over several pages.

For further enhancement of application specific post-processing, DOKuStar Validation offers a powerful programming interface. It is, for instance, possible to implement logical consistency checks or to insert data from a database. The document structure is also available via the programming interface and can therefore be manipulated by custom software. Loaded data as well as the definition of the document structure are available for application programming in Visual Basic for Applications®. The development environment for VBA is integrated into DOKuStar Validation.



## Integration of DOKuStar Validation in a Data Capturing System

DOKuStar Validation is designed for integration into different imaging and document management systems. Within a data capture system, DOKuStar Validation usually runs immediately after the automatic recognition.

The results are ready for further processing and/or export to a sub-subsequent system. DOKuStar Validation can be integrated directly into a business application and thus increases the usability value by image-based data capturing.

When DOKuStar Validation co-operates with the DOKuStar Recognition-Engine, the results of the recognition can be processed immediately. The import function can be adapted to the results of other recognition-engines.

DOKuStar Validation works with a project specific document model. The model describes which document classes are available, which data belongs to which document class, and how documents are united to form a higher unit (e.g. files). The model can be defined in the designer mode within the program or via programming interface.

Features:

- Two freely configurable image views (complete image and detail)
- Black / white, grey or color images
- Data fields synchronized with image views
- Predefined and user-defined data types
- Table correction
- Tree view for viewing and manipulating document structures
- API for check routines, database verification and automatic supplementing of data
- Integrated VBA developing environment
- Integrated designer module for defining document models
- Integratable into any data capture system

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