

The Intelligent Recognition Choice - FormsRec®

More information from your printed documents

Automated Document Processing

- Documents
- Images
- Recognition
- Intelligence
- Validation
- Export
- Prozess

FormsRec® for Mailroom - DocCat

A text based document categorisation, applicable for paper, fax and digital documents. The basic component for your mail room application which will determine the document category/type for virtually any document.

- self learning document categorisation. It improves as you use it.
- detailed recognition statistics
- language independent

Custom Applications

All for One can automate any of your high-volume documents.

- Insurance documents
- Health Care forms
- Delivery notes
- Reply cards
- Time cards
- Any other document/form
- Export/interface to your existing applications

With FormsRec® you can quickly capture any information you need to enable you to process your documents completely. Using extensible interpretation rules, FormsRec® finds the appropriate field-data in your documents, forms, invoices etc. You can train the system yourself to adapt to your changing needs. It couldn't be more flexible!

Reduce your data capture time

FormsRec® reduces interactive processing by extracting relevant data during document analysis, using interpretation rules. The manual processing time for these documents is drastically reduced.

Optimal data quality

FormsRec® recognition technologies are state-of-the-art; even with skewed, dis-oriented or otherwise flawed images, you are assured of optimal recognition results. The correction and verification tools minimize the rate of errors.

FormsRec® is rational

The software processes your daily mail and extracts information fully automatically as pre-defined; names, addresses,

amounts, dates etc. can all be extracted from documents or forms as required by any application within your organization. Applying business rules and interacting with existing data adds intelligence to the process to get even better results. FormsRec® bridges the gap between printed documents (non-coded information) and electronic data (coded information).

The FormsRec® software solution

It can be applied in many different areas of business; retailers, manufacturers, banks, distributors, mail order companies. In fact any business or institute with large volumes of documents to be keyed can benefit from using FormsRec®. Within your business, there is no limit to the type or number of applications that can take advantage of FormsRec®. Choose FormsRec® for Mailroom to solve your high-volume document problem, or build a custom FormsRec® application to suit your needs using the FormsRec® development toolkit. All FormsRec® solutions can integrate with existing applications as required.



Prepare

Capture/digitize information from incoming documents and forms.

Import

Integrated image preprocessing functions guarantee optimum recognition results:

- Line, box and noise removal
- Image de-skew
- Flexible image adjustment on the document as a whole or on individual fields

Identify

FormsRec® Automatic Identification (AI)

FormsRec® AI classifies different documents into document classes (e.g. invoices, forms, orders etc.) or into more detailed document types (e.g. invoices from a particular vendor). Two methods of document classification: The global method classifies objects in a document based on a textural analysis using interpretation rules. The trained method searches for certain known features of a document at constant or variable positions on the page.

Interpret

Recognition

We offer you the state-of-the-art in document recognition technologies. Intelligent Character Recognition with FormsRec® means:

- Reading handprint and machine print characters
- Optical mark reading
- Recognition of all typical barcodes

Voting: Let the experts decide

The Voting method analyses the results of different reading engines to obtain an optimal overall recognition result. The recognition quality is improved by combining the strengths of several engines.

Intelligent Business Rules

Apply rules based on your documents to get even better results.

Fuzzy Logic and Database Access reduces the Error Rate

Recognition results are compared with existing data via ODBC or FormsRec®'s unique Fuzzy Logic. FormsRec® Document Analysis (DA) The Document Analyzer interprets data captured from images on the basis of predefined rules:

- Forms definitions
- Text analysis rules
- Address search
- Field structure analysis (e.g. structural description of date fields MM/DD/YY)

Validate

Image and field-based correction. FormsRec® COR checks the individual reading areas for rejected and substi-

tuted characters. Snippets of the recognized data are clearly displayed with the field to be validated, and the recognized data is highlighted on the associated image, easing the task of manual correction. Database queries, business rules and other edit checks can be performed during manual correction. The correction screen layout is freely definable for further flexibility and ease of use. Mass Verification FormsRec® COM is especially useful when correcting numbers where no logical plausibility check applies. FormsRec® COM displays individual characters of a particular class (example: all 1's) together on the screen. Shown in this context, the eye can quickly pick up and correct badly read characters.

Export

FormsRec® can export the captured data to an ASCII interface for further processing by back-end systems. Alternatively, the data can be transferred via ODBC interfaces to any compatible database. FormsRec® is compatible with SAP and other standard interfaces.

Post-Process

FormsRec® has completed its task. The exported data can be further processed as required.

formcraft GmbH

In September, 2008 a management buy-out from Beta Systems Software AG was completed, establishing formcraft GmbH as an independent software company. formcraft possesses with its automatic invoice reader and intelligent form processing, an installed base with more than 250 clients in a variety of industries. formcraft's invoice reader stands out as one of the premier products in Europe.



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