

# FormsRec®



Automatic extraction  
of relevant data from your business documents

formcraft  
FORM YOUR CRAFT.

## CURRENT SCENARIO

*Reduce your costs, speed up workflows, optimize your processes*

Different document types are constantly growing in the world of business. So far classifying and entering the data from these documents can require expensive human efforts. Valuable time is often lost and in combination with the human factor the accuracy can suffer.

In view of this, it is apparent that there is huge potential for improvement in the world of data entry: minimizing the manual data entry and at the same time enhancing & controlling the paper documents flow between the different departments of your company.

FormsRec® is driving these opportunities to fruition. Your full business process will be easier and faster: Classify documents, extract relevant data, and automatically validate the OCR'd data, manually verified in case should this ever be required, finally export the data and images into any system.

With FormsRec® you can extract in a minimum time frame all of the important data from your business documents based on

advanced extraction methods, which are scalable to any degree required. The system can be educated and customized to your particular needs. Enabling maximum flexibility and efficiency for your processes.

### Your advantages of using FormsRec®

- Automated extraction (24 x 7)
- Relief on your daily routine work
- High recognition rates on field and document level
- Automatic verification of the extracted data
- Normalized data and expressions
- Manual intervention based on your business rules
- Time savings on usage of the system
- Reduce time consuming manual data entry
- Unlimited document OCR'ing and processing per CPU

## FormsRec® REDUCES THE PROCESSING TIME OF YOUR DOCUMENTS

*FormsRec®*

is the efficient solution for document recognition and analysis. FormsRec® can provide you for any type of documents the following features:

- Import the documents as images,
- classify,
- extract,
- validate and
- export.

FormsRec® is a branch independent software product used by banks, insurance companies, service providers, agencies, businesses, retail market, mail order companies, schools, universities along with many other type of companies and institutions which are faced with handling paper documents on a daily basis.

A series of standard features are already included in the standard FormsRec® version. Additional modules, comfortable customizing and individual system integration methods we fulfill the requirements for your company as well. Large installations worldwide of the product assure you reliability and custom tailored applications.

## WHY FormsRec® TECHNOLOGIES ARE WORTH THE INVESTMENT?

*Multiple eyes often see more than one pair of eyes*

Voting feature: Several engines can be used at the same time while an internal process decides the best result. The combination of several engines increases the recognition results.

*Fuzzy Logic reduces the misread rates*

Our advanced fuzzy technology automatically validates the OCR'd data against your database thus correcting the OCR errors during the recognition process. This technology combined with the OCR is the most effective way in reducing manual data entry, in many cases increasing productivity up to 90%.

## FormsRec® HAS A PROVEN EXCELLENT ROI

Usually the ROI for our customers is between 6 to 12 months.



## The modules in detail

### FormsRec® ICR-Server

Intelligent Character Recognition (ICR) stays for the voting technology using the results of several engines. Different engines provide different results, and a sophisticated voting method provides you the best possible result. FormsRec incorporates 3 different engines well known and used worldwide:

- Kadmos owned by Recognition GmbH
- Tiger owned by Cognitive Enterprises
- FineReader owned by ABBYY Software House

FormsRec® ICR Server contains all the relevant functionalities for the automated extraction and interpretation from the scanned image. In FormsRec® Applications different form types can be defined and several processing steps implemented. It can handle several form types as long as the information to be extracted is geometrically located on the same position on the forms. Different forms are handled within the same batch so no manual sorting is required during scanning. The software determines the right form and extracts the defined fields for that form from the geometrically predefined locations.

### FormsRec® AIDA

**FormsRec® AI-DA** is the most advanced module in FormsRec® handling any type of document types, structured, semi structured and totally unstructured documents. Using advanced technologies like the self learning "Knowledge Base" and predefined patterns "Regular Expressions" FormsRec® AI-DA gives you the maximum from your documents.

**FormsRec® AI** is automatically identifying the document types based on text, logos or any other graphical characteristic for that form.

**FormsRec® DA** enables in addition to the known document types the extracting of information of totally unstructured documents. In example it is possible to extract the dates, or names or addresses from totally different document types where the information is never on the same position. Formsrec DA uses full page recognition and regular expressions for finding the data. It is the most advanced module installed over 500 times worldwide.

### FormsRec® Fuzzy Server

FormsRec® Fuzzy Server allows you to fully validate your data against the available databases i.e. addresses, open order tables, company names, any type of dictionaries and many more. Using the fuzzy technology the misread OCR results can be validated during the OCR process which significantly reduces the data entry time. Additionally the Fuzzy Server can be used during the manual validation process which allows the verifier to make lookups on huge databases without using the performance of your database.

### FormsRec® COR

**FormsRec® Correction** (data entry station)

The ergonomic way of this module allows you an efficient way of correcting and manual data entry. This can be customized to any degree and tailored to your special needs.

### FormsRec® ADK

**FormsRec® Application Development Kit**

enables you to create and maintain FormsRec® applications. This tool is for more advanced users and administrator of the applications. Using TCL Scripting it enables an easy to implement and customize any type of applications.

### FormsRec® DocCat

**FormsRec® DocCat**

is a classifying module for mail room. This classifies paper documents as well as electronic documents (i.e. e-mail) like correspondence, letters, claims, insurance documents and many more. This is a self learning, language independent system, which is based on the frequency of occurrence of words on the special Document categories.

### FormsRec® BCD

**FormsRec® BCD**

recognizes all the major barcodes.

