

Automatic Document & Data Capture

Invoice & Form Recognition, OMR, Handwriting Recognition



Longing to digitize your document?

FlexiCapture is a powerful data capture and document processing solution that provides a single point of entry for automatically converting streams of various documents into business-ready data with unmatched accuracy. Available in both a desktop and distributed-system solution, it recognizes multiple languages and automates a variety of tasks, such as data entry, separating invoices from contracts, classifying by supplier, date and more — providing the data you need. In addition, this multi-lingual solution can also integrate with back-end systems and into specific business processes to improve overall efficiency and reduce costs for organizations of any size.

Benefits

Enjoy Quality Results - Extract data from documents quickly and accurately

Do More with Less - Increase efficiency with more resources and time freed from tedious manual data entry

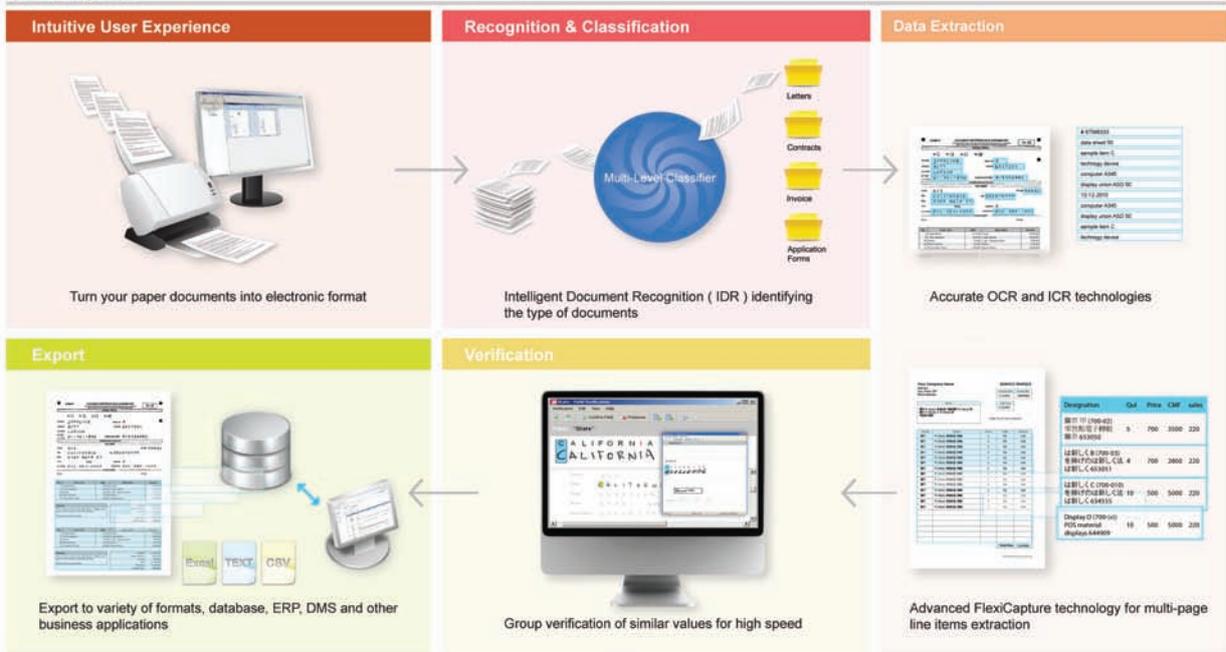
Achieve Fast ROI - Savings from reduced manual data entry, you'll soon experience a return on your investment

Easy to Use - Simple to operate with easy interface for verification and document definition development

Accelerated Productivity - Recognition of a wide variety of documents drives quick and accurate content extraction

High Scalability - FlexiCapture ensures fast and reliable processing of any volume of documents

Substantial Labor Savings - By automating the data entry process, FlexiCapture reduces the need for key operator labor between 50% and 70%

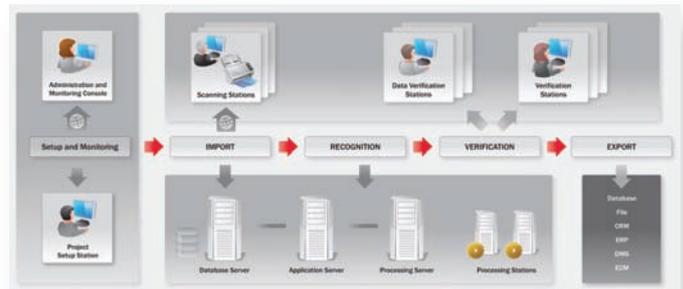


Functionality Overview

Distributed Server Components

Processing Server and Processing Stations

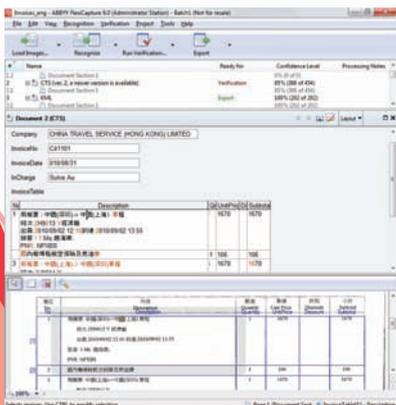
FlexiCapture automatically executes all resource-intensive operations, such as image import, recognition, classification, data extraction, validation rules execution and export of data and images. The Processing Server has a scalable architecture and distributes tasks among its Processing Stations. When adding several stations, load balancing helps to boost productivity by enabling high-volume throughput.



FlexiCapture Distributed Server components and logic flow.

Database and Application Server

Microsoft SQL Server keeps all data and processing stages and stores all information about users, batches, processing operations and statistics. Application server automatically handles all processing tasks and queues then distributes them among the stations according to priority and workflow settings.



Administration and Setup Tools

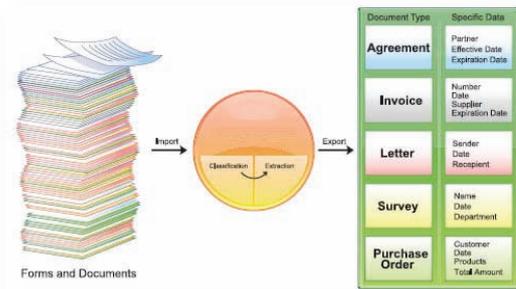
Administration and Monitoring

Administrators can use the console to manage user rights, system administration, setup and easily track jobs or generate statistics, control and view document batches, queues and their status.

User-friendly interface showing the processing status, the captured data as well as the original document image.

Layout Development and Project Setup

Document Definition Editor is used to create machine-readable fixed form layouts. FlexiLayout Studio is used to develop semi-structured and unstructured documents like invoices or contracts.



Document Processing

Automatic Separation and Classification

Intelligent classification via multi-page document definitions enables different document types to be processed in a single stream. With the help of built-in multi-level classifiers, FlexiCapture identify the type of document then capture relative information, e.g. items, quantity and unit price in invoice and PO, checkmark answers in exam paper and questionnaire.

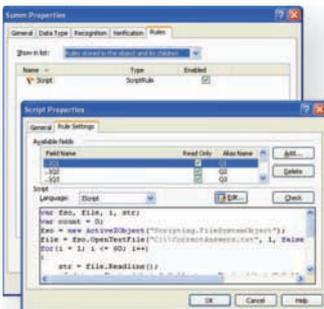
With intelligent classifier, FlexiCapture can classify the document processed into different document type.

OCR, ICR, Checkmark and Barcode Recognition

FlexiCapture is based on award-winning recognition technologies that deliver unprecedented accuracy in multiple languages and even mixed languages including Chinese, Japanese, Korean, Vietnamese and more than 180 languages for OCR (typed characters) and ICR (handwriting). 1D and 2D barcodes and checkmarks can be recognized as well.



The well-known OCR engine that delivers unprecedented recognition accuracy for any kind of documents.



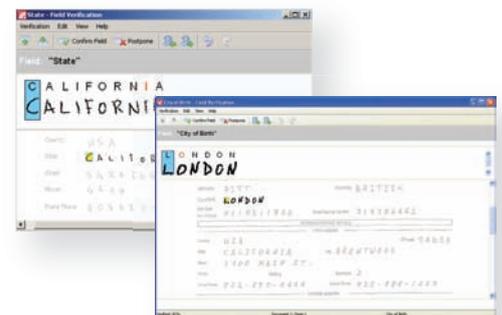
Automated Data Validation

Built-in validation rules are automatically applied during recognition. Automatic data validation ensures high data quality and reduces the workload for subsequent verification.

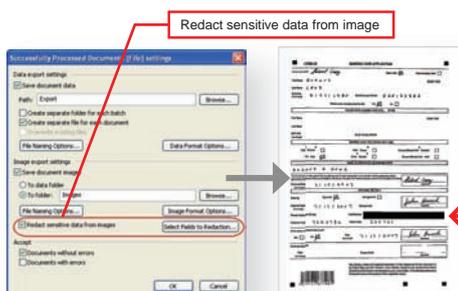
Customized validation rules can be added to increase the data accuracy.

Data Verification

Data verification is designed to execute low-level verification tasks to check if extracted data can be matched with original document information. Verification can be achieved on a group and field level with a full-scale image review if necessary.



Whole page displaying during group and field verification.



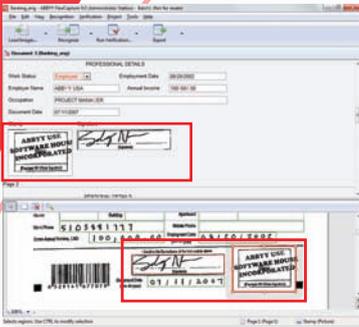
Redaction and Archiving

Redaction allows the removal of confidential or sensitive data from certain fields.

Document images can easily be prepared for archiving when converting them to searchable PDF or PDF/A.

Preserve your sensitive or confidential data before export.

For more information:
www.astasys.com



Stamp and signature on the original document can be extracted for further usage.

Data Export

Data can be exported to back-end applications, databases or stored in enterprise repositories for further usage. Automated export and export to multiple destinations is also available. The following export destinations are supported:

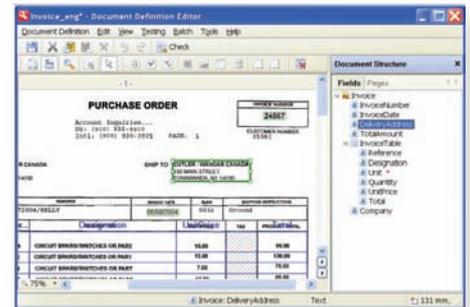
- Most common file formats
- Basic and advanced XML export
- External databases via ODBC
- Microsoft SharePoints
- ERP, DMS, CMS and other business applications

Case Study

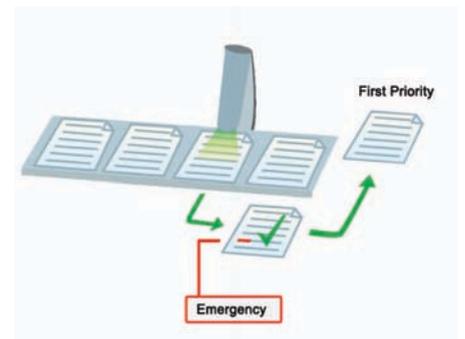
FlexiCapture streamlines the “mission-critical” order processing

A leading manufacturing company’s Aftermarket Services Order Management (“AAS Order Management”) needed a data collection solution that can convert faxed purchase order images with the information of PO number, customer name, product and so forth received in TIFF format to XML data with high accuracy and to transmit this data to a workflow. The Volume demands were 600 single- or multiple-page orders per day. In addition, emergency attention is needed for certain “mission-critical” purchase orders for machines with repair problems.

Using FlexiCapture, purchase orders containing certain keywords such as “emergency”, “work stoppage”, “critical” were flagged as mission-critical documents. Non-critical purchase orders containing other information were flagged according to the company’s regular business rules. Response time on mission-critical tasks was reduced from days to hours, creating strategic advantages as well as hard-dollar benefits for the firm. It was projected that payback for the system will take no longer than 12 months, but the value in terms of improved productivity will yield a strategic advantage to the firm that far supercedes simple labor savings.



Customize data fields to extract data such as PO number, product codes, unit price and total amount.



Orders with certain keywords would be put into the queue with higher priority to process.

Paper document can be processed using FlexiCapture by Industry

Industries	Documents
Government	Voting bulletins
	Tax forms
	Census forms
	Pension cards
Financial / Banking	Mortgage papers
	Loan documents
	Financial statements
	Explanation of Payments (EOPs)
	Payment orders
	Credit notes

Industries	Documents
Transportation	Bills of lading
	Waybills
	Custom declarations
	Delivery notes
	Various shipping documents
Education	Examination sheets
	Tests
	Questionnaires
Manufacture	Invoices / Bills of lading
	Time cards / sheets
	Engineering documents