

Reprint &
Cluster

IBM
Channel

IPDS

**Data
Scanner**

Job
Separator

Barcode

Mercury
Basis

PIE

Overlays

Mercury
Forms

EFI

SAP

IGP

Dynamic
Forms

Metacode
LCDS

Linemode

Prescribe

The product Mercury is about a universal print & output management tool. With Mercury you fulfil all requirements of transaction printing. Add-ons concerning overlay & forms management support building of own printing applications or POD applications.

For this, the Data Scanner module represents one of the most important components of the whole form management. With help of the Data Scanner module it is possible to search for content information within almost arbitrary data streams. Thus variable data can be acquired from the printing data stream and then be used for further processing.

This allows control of printing by content. Also this content information may be used for different output management functions. In doing so the extracted content data is passed over to further modules like the Job Separator or the barcode generator.

Similarly different content also may be assigned to specific forms. Thus completely new applications (POD) may be created.

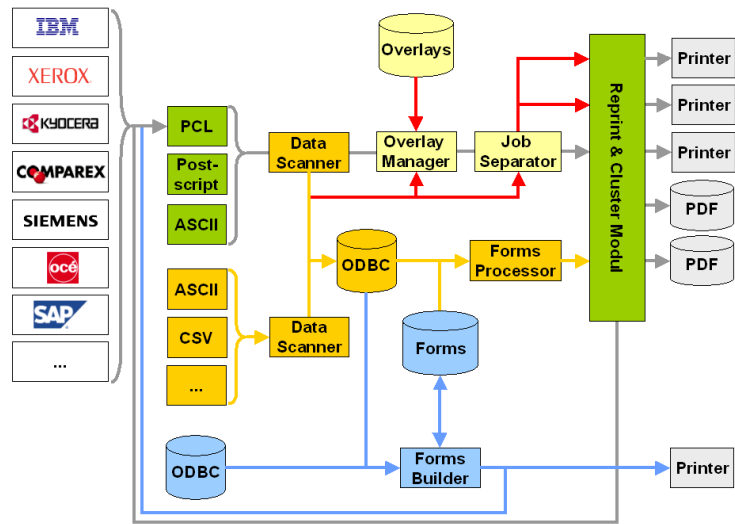
- Modular construction kit
- Plug & play solution
- Server/client concept
- Recognition of data fields
- Extraction of arbitrary raw data
- Interface for controlling overlays
- Interface to dynamic forms management
- Data scanner for creation of variable barcode
- Intelligent data filters
- Extraction of text using trigger strings
- Extraction of text using page areas
- Regular expressions for search patterns
- Processing raw data
- Content search for dynamic forms
- Indexing for PDF workflow
- Printing performance of several 1000ppm
- ODBC database interface
- Pages based processing of printing data

Integration of the Data Scanner into the Mercury architecture for a document workflow

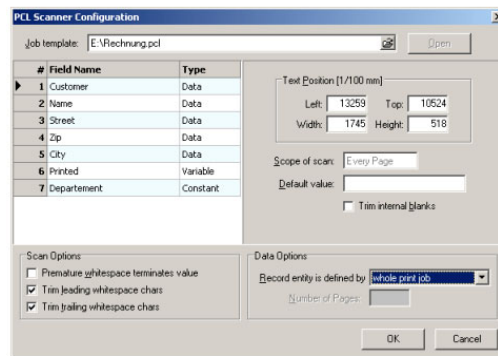
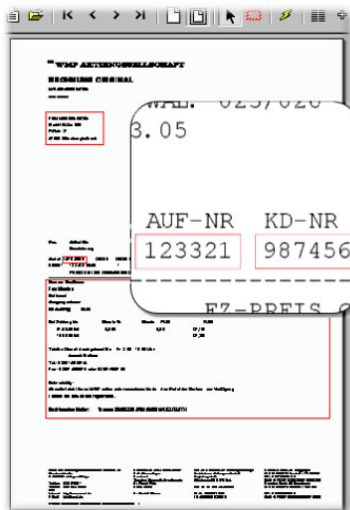
The diagram of the individual Mercury components in combination demonstrates the central importance of the Data Scanner module for Mercury & Forms. After conversion of almost arbitrary data streams, the Data Scanner is used for two major tasks.

At one hand, it can be used to control other components within the document's workflow as e.g. the barcode module or the Job Separator module.

On the other hand, the data extracted from the printing data stream may be used in parallel to the processing of the data stream. Also the total reduction of the printing data stream to the extracted data is possible.



Acquiring content from the printing data stream allows more intelligent processing



Using different methods for text extraction, the Data Scanner module is able to acquire content information from almost arbitrary printing data streams.

By e.g. definition of trigger strings or rectangular areas of the printed page, the relevant range within the data stream can be detected. Regular expressions then support usage of search patterns and provide an optimal recognition rate.

The data recognised may be e.g. added to original data stream, on the fly' during processing time as barcode graphic. Also the data may be simply transferred into a database for further processing. Thereby there is no limitation for applications.

Extraction of text by using different methods for indexing with PDF workflow et al.

The Mercury Data Scanner supports extraction of arbitrary text information using different methods; each of them adapted to the specific data format. This text information is assigned to variables or data fields, which are e.g. used for indexing of PDF files. The highly flexible handling of different data formats allows addressing of arbitrary archiving systems.

It is important hereby, that the original printing data stream beside arbitrary binary formats and PCL also may be in a format as IPDS, Xerox Metacode or any other format supported by Mercury. By conversion of the printing data stream inside the Mercury system to PCL, ASCII or Postscript, the Data Scanner module finally doesn't care which the original format of the data stream was. By this Mercury in its entirety combines to a global document workflow.

Converting, acquiring, forms, output, archiving – with Mercury (almost) everything is possible!

