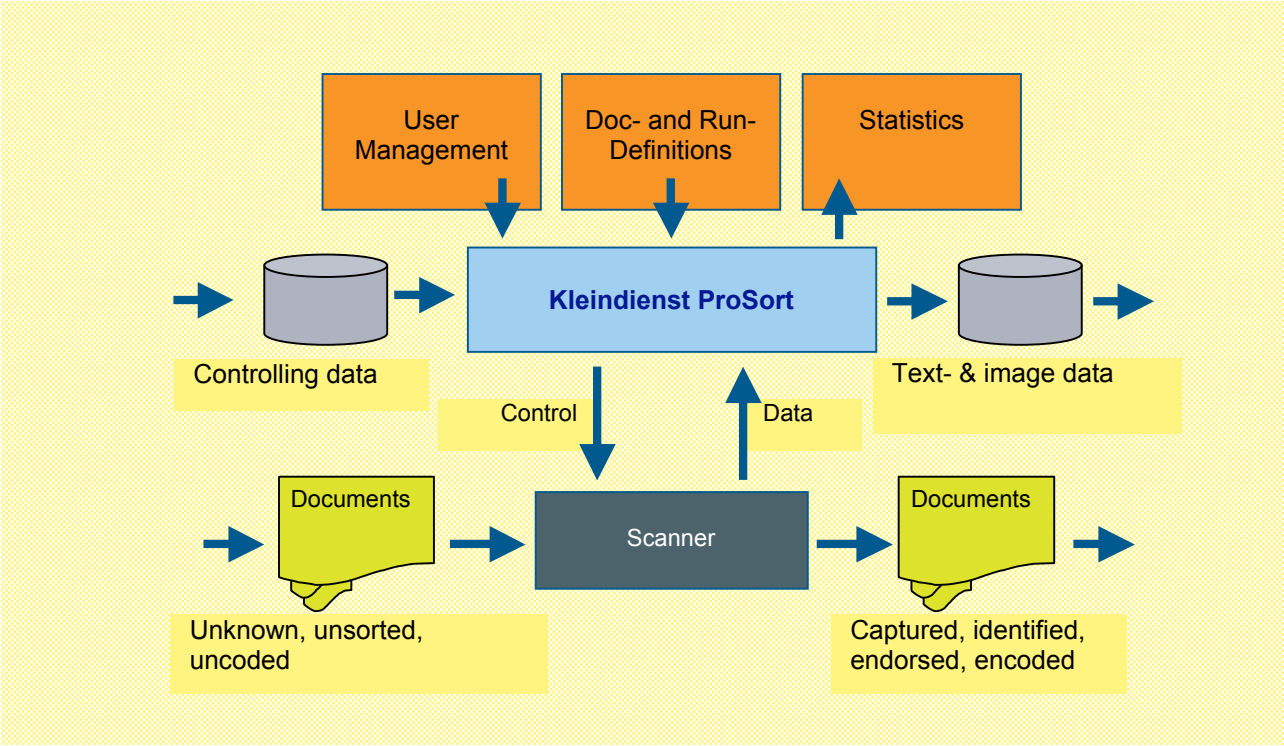
ProSort
Scanning with Intelligence

ProSort

Intelligent management of scanners by a universal control software

Speed, efficiency and reliability in handling the daily flood of incoming mail are essential to be effective in a competitive environment. ProSort from Kleindienst Solutions is a universal control software for intelligent management of scanners and document transports. ProSort was designed to provide flexible input for all types of applications.



ProSort Overview

During entry-sort the potentially unknown, unsorted and unencoded documents are captured by a scanner under control of ProSort. This interprets the ASCII, OCR, MICR, barcode and format information in real time and uses it to identify the document types and control the options of the connected scanner (sorting, encoding, endorsing etc.).

Different types of ASCII and Image outputs may be generated for use in subsequent applications (e.g. text- and image archiving, document management etc.).

Control information generated by an application system may be used by ProSort as input for fine sorting, power encoding etc.

ProSort comes with flexible tools for user administration, document type definition, run generation and statistical reports.

Main Functionality

- ProSort has a single consistent interface to the different types of scanners and their option modules, so the user learns only one interface even if the scanner is changed or extended.
- As standard, ProSort supports scanner modules such as cameras (back, front; binary, grey, colour), Endorsers, Encoders and real-time code-readers (OCR, MICR, Barcode).
- Image-Capturing is configurable, so users may define different images or cut outs for different purposes - like colour images for archiving, grey and bitonal images for intelligent character recognition or signature checking.
- ProSort has secure and consistent jam-handling supported by image and data displays. It meets all requirements of critical applications where batch integrity, sequence and structure must be assured.
- ProSort is not only for entry sorts. For previously scanned documents it also has sophisticated operations steered by logic or external applications - like reject sorts, multi-phase fine sorts and power-encoding.
- using real-time data, logical validations like batch completeness checks, sequence controls, check digit calculations, field calculations and table look-ups are used to control run time options.

Architecture

Four functional modules:

The standard versions of these modules may easily be parameterised by the system administrator:

- The ***Parser*** recognises document types by extracting data fields from code lines, bar codes etc.
- The ***Logic*** module uses logical data fields to validate and sort documents and control all options of the attached reader/scanner.
- The ***Compare*** module matches document data with entries in a steering file to permit reject-sorting, fine-sorting, power-encoding, etc.
- The ***Output*** module stores all captured data and images in flexibly formatted files (e.g. ASCII, XML, TIFF-G4, JPG, MULTI-TIFF, KLD-PND, etc.).

Specific customer requirements may be implemented as separate additional modules.

Multilingual

- Supplied languages are English, German, French, Polish, Hungarian, Croatian.
- User sensitive default language selection and run time language selection are supported
- Easy integration of other languages is done simply by translating ASCII files

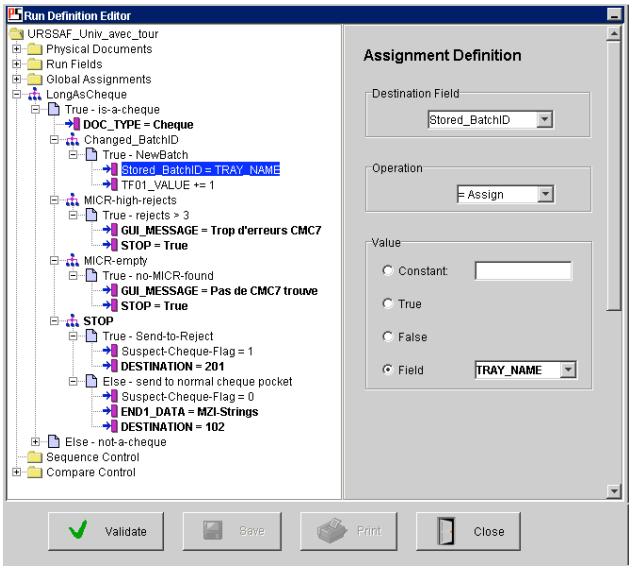
Easy to handle

Interfaces for both Operators and Administrators are provided

- Operators work in a dialog oriented environment, which minimises handling errors.
- Administrators have access to powerful editors enabling easy system customisation and parameterisation without programming skills.

ProSort Document and Run Definition

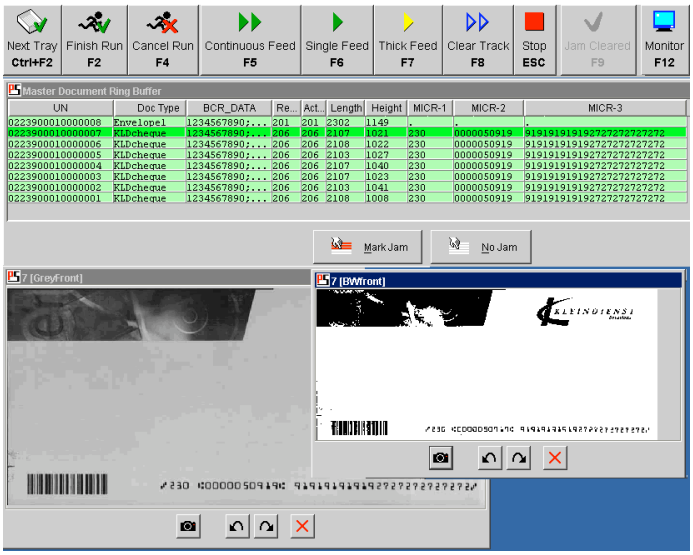
ProSort is configured using an editor to create run definitions for each different type of work to be processed.



The editor uses a point-and-click style so that no programming or complex parameter files are required. At run time, the Operator simply selects the appropriate run definition from a menu.

ProSort Scanner Control

The operator uses a single consistent graphical interface to control all scanner types. A central part of the interface is the ring-buffer, in which the identifying data from the



most recently captured documents are displayed in sequence together with one or more images for the currently selected buffer entry. In this way, the operator can reliably recover jams with the confidence that no documents have been missed or duplicated.

System Requirements

Control Station:

Windows NT 4.0 SP 6a, Pentium II, 400 MHz, 256 MB RAM,

Windows 2000 Professional, Pentium III, 500 MHz, 384 MB RAM

Display:

min. 1024 x 768 resolution, recommended 21“

Scanner:

All Kleindienst reader/sorter/scanners, other twain-compatible scanners (list on request).

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