

# The perfect alternative:

## Document Inspection Sorting System - DISS

### Quality control, grouping and packaging of high secure documents

The requirements to enhance security features of governmental documents like birth certificates, car registrations, visa and stocks are growing rapidly. Watermarks, Intaglio, UV- and IR-printing, hot stamping of holograms and secure numbering are just a few features to secure these important documents. The complete monitoring of these documents during manufacturing and printing and personalization in the local branches is extremely important to prevent fraud and

counterfeiting. Otto Künnecke has developed a new modular system which perfectly fits to fulfil these requirements. The new Document Inspection Sorting System – DISS – is controlling the security elements of the printed documents on the front and back side in an automatic process. Documents with missing or defected security elements are automatically rejected. Correct documents are transported into the sorting unit where each group can be selectively grouped.

On top of this, various additional modules can be added, e.g. hot stamping of holograms, labelling or ink-jet printing. A packaging list and a transport label can be attached to each group. Various packaging modules are available. The DISS is equipped with a database and connected to the customer's network.

The DISS is the perfect solution for a high demand for secure and automatic quality control and packaging of high secure products.



#### Form feeding Online

- cut sheet printer for delivery notes

#### Offline

- multiple stack feeder

#### Quality control

- complete front- and back side verification
- UV- and IR verification
- OCR- and barcode verification
- Logo and emblem recognition

#### Grouping

- selective grouping of paper stacks
- grouping by numbers or selectively by database connection

#### Packaging

- various packaging possibilities
- banding and cross-banding
- inserting in envelopes
- packaging in boxes

#### Delivery note

- printing of delivery note or packaging list for each of the stacks

#### Transport label

- printing of transport label

#### Dimensions

- standard document size:  
Min 100 x 130 mm  
Max 360 x 310 mm
- optional document size:  
Min 86 x 54 mm  
Max 600 x 700 mm

#### Options

- label attachment
- hot stamp unit
- ink-jet printing



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