

Card Inspection & Sorting System - CISS

Cards and jobs - automatic control, sorting, protocol and counting

With its manifold functions the **Card Inspection & Sorting System (CISS)** optimizes time consuming and safety relevant production steps. Processes which needed to be handled manually in the past and consequently interrupted the work flow, will now be automated.

For intelligent job pre- preparation, the **CISS** system is an effective tool to prepare the right sequence of different blank cards ("rainbow decks") to be able to collate many small batches to high volume jobs. This big personalization job will optimize the following personalization process and will reduce downtimes of all common personalization equipment significantly! Additionally, all virginial cards can be tested according to quality during the pre- preparation process by optical or electrical devices.

Part of the basic functions is the inspection (e.g. test the actual card state or the chip), the counting (check if complete) and the sorting mode (e.g. split a batch according to the different card types).

Also the other way around! In case jobs have to be separated into smaller batches because of personalization process, the **CISS** system automatically proves, re- organizes and collates these batches again to bigger jobs after production (e.g. branch sorting).

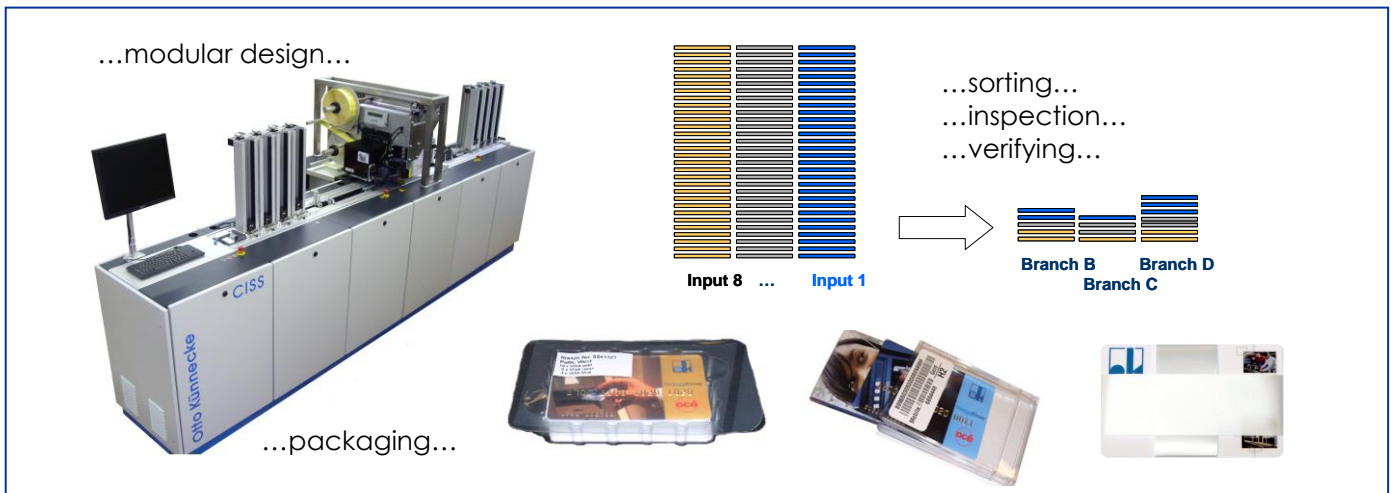
Therefore, errors occurring by human intervention can be avoided during the entire production cycle!

In combination with the DIALok Logistic Center (DLC), the retrieved production data can be verified to 100%, adjusted and written into a specific protocol.

Because of the high modularity, cards can be separated resp. collated to criteria which are freely definable via chip-, magnetic-stripe, OCR- and/or barcode (1D, 2D, DataMatrix) reading. For best integration in existing production environment, the **CISS** is compatible with card magazines of all common personalization systems by adaptor kit. Also, collating of cards in boxes, jewel card cases or blister tapes is possible by post processing modules.

The **CISS** has a modular design which allows the system to be upgraded in range and functionality.

Additional features, such as the automated destructions of defect basic card material, round up the overall performance of the **CISS**.



Performance characteristics:

- Up to 6000 cards per hour
- Reading and counting cards
- Sorting card types
- Checking card quality of card body, chip, magnetic stripe or optical data
- 1-n input magazines
- 1-n output magazines
- Magazine identification by RFID-tag
- Compatibility of card magazines with all common personalization systems
- Upgradeable modular design

Performance characteristics with DLC-connection:

- Communication with the DLC and external databank
- 100% data protocol (in- and output)
- Network connection via DLC
- Databank controlled functions
- Card sorting, separation, collating
- Card controlling, reading, matching
- Process criteria freely definable

Card verification:

- Video reading OCR as well as character / symbol recognition
- OCR, barcode, clear text recognition
- Chip reading (bottom, top, contactless)
- Magnetic stripe reading

Additional features:

- Personalization of magnetic stripe, chip contact or contact-less (e.g. Mifare)
- Stand-alone or network integration
- 100% quality control before and after personalization
- Different packaging systems can be added



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