![Mühlbauer High Tech International logo]

MCES

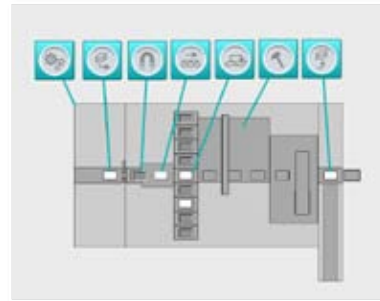**PERSONALIZATION SOFTWARE**

MCES

Personalization Software

Job Page

Todo, in Progress and Finished Queues

Machine Page

Documents in their Locations

Options Page

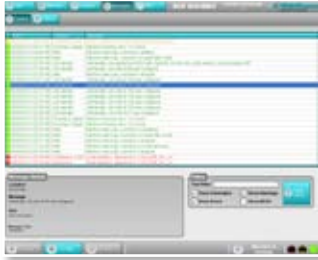

Documentation Display

Options Page

Chip Coding Stations

KEY FEATURES

- Intuitive and secure user interface
- Open interfaces
- Adaptable for all purposes
  - Identification documents
  - Telecommunication
  - Payment
  - Others
- Multiple data input formats
- Chip OS specific coding applications
- Configurable payment application scripts

- High-secure document and data processing
- In-line card data testing
  - Data pre-test
  - Sample post-test
  - Full test
- Customizable reporting
- Vendor independent extensions through powerful SDK with system simulator
- Highly scalable system
- Runs on all machine sizes

FEATURES & ADVANTAGES

Message Page

Info and Error Messages

Options Page

Embosser Character Mappings

The User

has an intuitive and easy to use front-end, allowing easy and intuitive control of personalization jobs, processes and reports.

The Administrator

finds an environment allowing the fine-tuning of the security and a system that fully complies with the requirements for secure document production in the ID, tele communication or the banking areas. The MCES is ideally suited to run within the restrictions set out by PCI, the best practices as set out for EMV personalization, or the regulations prescribed by credit card companies.

The Supervisor

can get in-depth reporting that allows the management to make informed decisions.

The Management

gets a tried and proven system, as the MCES has been in use since 1999. It can be adapted easily and cost-effectively to new card products. Where required this can even be done independently of Mühlbauer, the machine vendor. Thus Mühlbauer gives its clients a speed and price advantage over users of other equipment. Therefore Mühlbauer empowers its clients to be able to take advantage of new opportunities in the market.

The MCES is able to support different interface methods. The Mühlbauer data acquisition handles the option of input files with a variety of different formats ranging from classic formats like Tag Length Value (TLV) coded files, through Comma Separated Lists (CSV) flat files, to XML files. The data required for the personalization process is merged with the product information within the MCES.

All personalization data can be buffered in encrypted form and deleted after use. The backend of the MCES are the Mühlbauer master system and various processing units. After the personalization finishes all stored personalization data is deleted. These processing units operate the individual personalization actions during which a large amount of logging data is generated allowing the generating of reporting information in XML. This in turn can be transformed into any required format.

The personalization management system integrates incoming data with product definitions in a similar way as a mail merge process. Additionally the MCES is a personalization management system controlling the associated physical and electrical personalization processes.

The MCES handles personalization data from a variety of different input methods, formats and applies them to the cards, regardless whether magnetic stripe, chip encoding, or one or more of the various optical personalization processes, such as thermo-transfer printing, laser engraving, embossing or indent printing. The MCES manages all personalization processes within one software system.

All this technology has to serve the purpose of helping the customer to make the best use of his investment. Therefore the system has been optimized to give every stakeholder the best value for his money.

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