

MÜCAD supplementary software

MÜNUMBER-MASTER

for producing individually woven, unmistakable and forgery-proof labels with consecutive or free numbering



MÜNUMBER-MASTER

Conventional production process

For individual labels such as name or number labels, individual numbers and letters or logos must be produced first as patterns, and placed exactly in relation to the weave on a carrier pattern with ground weave (ground fabric). This procedure is laborious, as the separate parts which already contain all information for controlling a jacquard mechanism must be available in a library for every size and weft density. Positioning these pattern parts and the number of variants impose narrow limits.

The MÜNUMBER-MASTER production process

With the Müller MÜNUMBER-MASTER system the individual data are already assembled in a virtual label at design level, so that a variety of possibilities such as standard fonts may be employed and placed at will. For machine reading an additional option allows the integration of bar codes in the label. With number generation and master label the virtual design is created. This also contains the roll designations and zones for further processing. Finally the necessary information for controlling a jacquard mechanism is assigned and the pattern file for the weaving machine is created.

MÜNUMBER-MASTER assures the uniqueness and sorting of the label. The overall production sequence is economical and flexible.

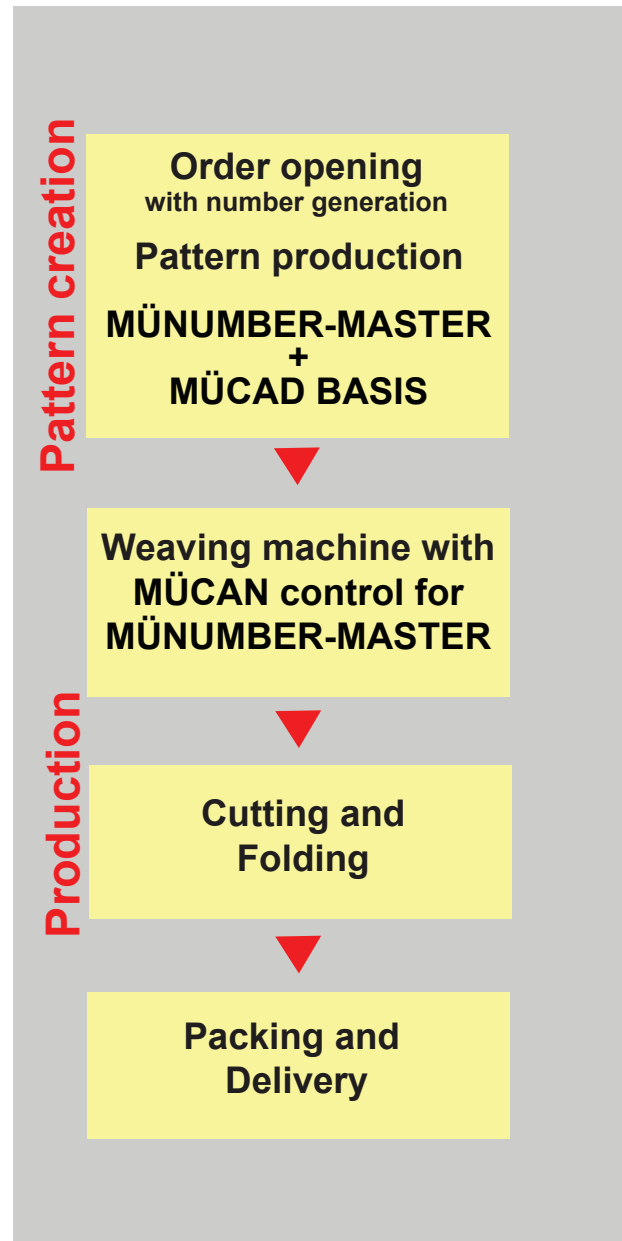
Identification possibilities

- Serial labels
- Numbering in ascending or descending sequence (license-free).
- Forgery-proof labels
The number of product falsifications is growing every year and the image loss by branded articles is great. An forgery-proof label for apparel, underwear or technical textiles offers a simple and inexpensive way of attaching visible machine-readable coded data to the end product.
- Images with MÜNUMBER-MASTER Picture

Production process

MÜNUMBER-MASTER offers a safe production process comprising exactly attuned working sequences, from taking an order through creation and production to packing.

With the license forgery-proof labels are produced rationally with guaranteed uniqueness. For this purpose an independent software has been developed allowing the customer of the manufacturer to generate the numbers automatically and to write on the order card.



Requirements from the weaving machine for producing unique items

The MÜNUMBER-MASTER hard- and software adaptation of the weaving machine ensures that only unique labels can be produced. The working process is enabled via the reusable order card.

Application areas

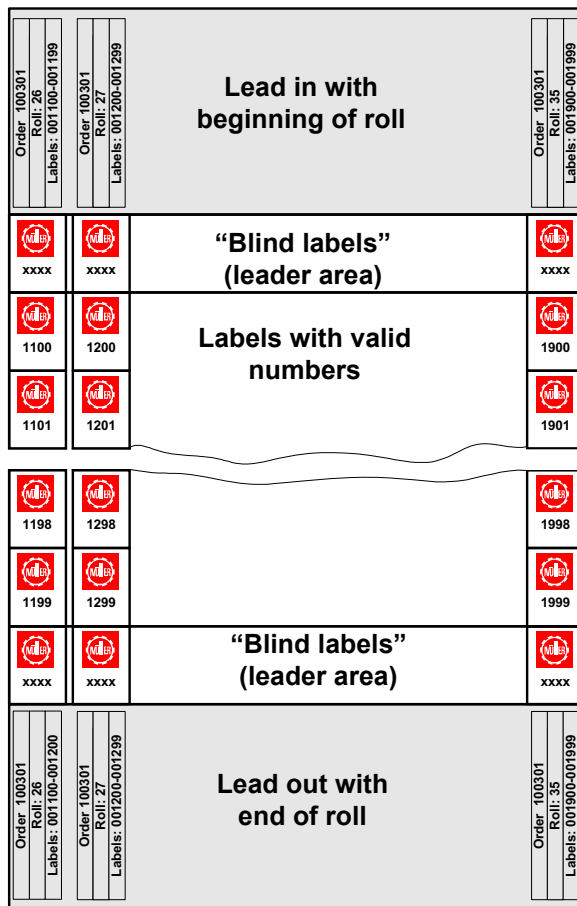
Labels with visible alphanumeric characters:

- product certification
- sales promotions based on limited series
- advertising campaigns with prizes awarded
- individual identification as fashion trend
- forgery-proof labels

Machine-readable, visible digits and letters:

By using the supplementary software for bar code, labels can be produced with individual labels, readable manually or automatically with commercial scanners, for:

- quality control
- license billing
- product retracing/production flow
- quantity control
- rejects control
- returned goods control



Virtual design

Design software

Principal features of the software are simple handling and varied functions. Anyone who has already worked with the basic MÜCAD software will familiarize themselves in a few hours with all functions of the supplementary software MÜNUMBER-MASTER. The most important inputs are concentrated clearly in the main mask.

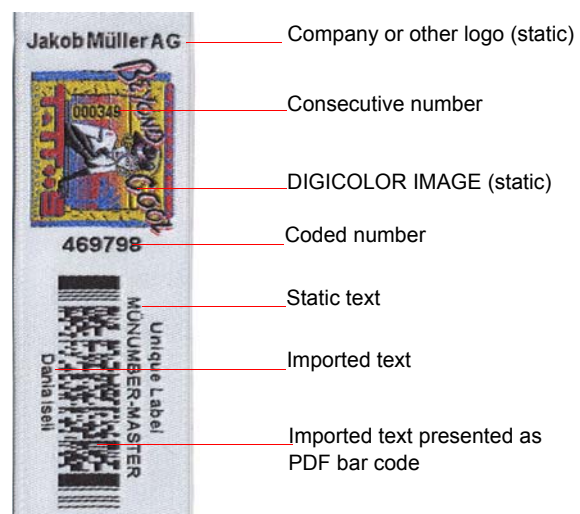
Individually woven labels may include static, conventionally designed parts and elements as well as variable areas for the following elements:

- sequential or combined numbers
- numerical and alphanumeric combinations
- more than one correlated or independently presented number
- imported numbers or texts

The codes are presented warp- or weftwise and may be positioned and scaled at will. It is possible to use and combine already existing WINDOWS character fonts and individually created fonts.

In combination with the DIGICOLOR software it is possible to integrate high-resolution multicolor pictures in addition.

Preparations for packing



Typical label showing various possible combinations

The program automatically defines the packaging units of an order, such as rolls with individually marked beginning and end. Leader areas for the cutting and folding machine are freely selectable.

Order 100301
Roll 26
Labels 001100-001200

- Order = freely selectable text
- Roll = consecutive numbering of roll
- Labels = numbering range of labels on this roll

MÜNUMBER-MASTER

MÜNUMBER-MASTER Scope of supply

With the basic package individual labels can be produced license-free with a sequential numbering with little effort. The numbering may be either ascending or descending.

Scope of supply:

- Additional software MÜNUMBER-MASTER to MÜCAD (languages: English, German, French, Italian, Spanish, Chinese, Turkish)
- 1 Server dongle
- License for total 1 million labels
- 1 machine license

With the licenses, designations may be applied to the product with at least one free digital character sequence or important texts. In this way, forgery-proof labels with guaranteed uniqueness can be produced. The labels are woven in the desired form and sequence and rolled up, facilitating subsequent operations.

Requirements of CAD system

- MÜCAD BASIS station (may also be installed as parallel station)
- Microsoft operating system
- Attendance at MÜCAD BASIS course

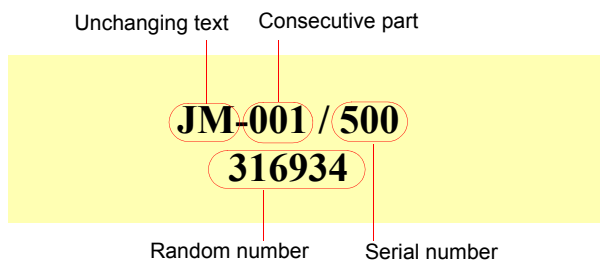
Supplementary software

(see separate prospectus)

- DIGICOLOR
- MÜBARCODE
- MÜNUMBER-MASTER Picture

General features

- Software developed by label specialists and weaving machines all from one maker (continuous process sequence).
- User-friendly processing from pattern image to weaving pattern, taking into account all boundary conditions for first-class labels.
- Reliable and up-to-date user-oriented operating surface



Example of forgery-proof combination

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Innovation in Machinery**

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