HICOF®

AMACODER

The Hicof AMACODER is a revolutionary serialization machine with tamper evident label applicators, based on an intermittent box transport mechanism. The line, made with Swiss craftsmanship is only 1.08 m long, providing high quality output and low reject rates.

The AMACODER Coding and Tamper Evident Machine

Automatic cartoner lines operate either intermittent (indexed) or continuous. Continuous lines are capable of very high box throughput but are expensive and large. On the other hand, intermittent running cartoner machines are compact, cost effective but usually limited to a speed of 150 packs/min what is sufficient for most applications. As next process step, a legally mandated serialization code is inline printed and for European markets a tamper evident label is applied on the product package.

Hicof is the first and only company, offering coding/ labeling lines which work intermittently. The unique, patent applied concept of the Hicof AMACODER is the use of pushers for transporting the boxes through the machine. Therefore, no conventional conveyor is used.

It works as follows: Boxes, coming from an upstream machine e.g. a cartoner or checkweigher, are transported by a conveyor to the infeed plate of the Amacoder. A feeding pusher from the side shifts incoming boxes laterally onto the transport slide, in front of a second pusher which shifts the boxes through the Amacoder. After a stroke of the pusher, it retracts to its initial position, leaving room for new boxes, introduced from the side. This cycle is repeated permanently, resulting in an indexed, highly controlled movement of the stack of boxes through the machine.

The AMACODER-TE is a proven machine with a wide range of options available. Reaching from checkweigher integration to various in-feed and out-feeding options.

AMACODER

Models

AMACODER-C150

The AMACODER-C150 is the ideal machine to integrate into automatic packaging lines. Offering economic design with fast changeover times. The AMACODER-C150 is ideally combined with the AMAPACKER-S150 to offer seamless serialization with aggregation.

- Machine performance up to 150 pcs/min
- Machine width 770mm

AMACODER-TE75

The AMACODER-TE75 is the most versatile model offering highest flexibility for Box sizes ranging from 55 to 300mm. Thereby the AMACODER TE 75 is offering the shortest overall footprint of all AMACODER models. This makes the AMACODER-TE75 the ideal machine for manual packaging operations.

- Machine performance up to 80 pcs/min
- Machine width 1080mm

AMACODER-TE150

The AMACODER-TE150 is the ideal machine to integrate into automatic packaging lines. Offering economic design with fast changeover times. The AMACODER-TE150 is ideally combined with the AMAPACKER-S150 to offer seamless serialization with aggregation.

- Machine performance up to 150 pcs/min
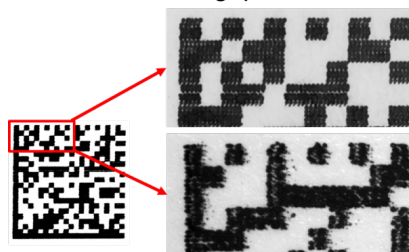- Machine width 1120mm

AMACODER-TE300

The AMACODER-TE300 marks the top of the line AMACODER Model which offers superior speed and product control even for critical applications.

- Machine performance up to 300 pcs/min
- Machine width 1650mm

Superior Coding Quality

Line throughput: 150 boxes/Minute

Amacoder
Average box transportation speed 15 m/Min
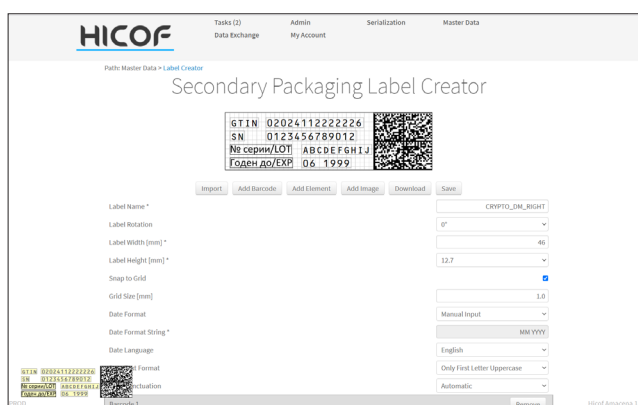
Conveyor machine
Conveyor belt speed 50 m/Min

The Amacoder delivers a very high coding quality as shown in the image above. The reasons for this high coding quality are as follows:

- As the boxes are touching each other, the transport speed of the boxes is much lower than with conventional conveyor machines where a space between boxes is required
- Very controlled movement of the boxes as they are guided from all sides during the flow through the machine
- The servo controlled pusher is extremely precise in reproducing positions, speed and acceleration
- A long distance between the print heads and the camera ensure complete drying of the ink, a prerequisite for correct barcode grading by the inspection camera

The Label Creator

Hicof Amacena features a build-in web based label creator to create and adjust all print layouts for AMACODERS, HECTOR systems, and all connected tertiary label printers. The label creator allows GMP compliant cange control of all label parameters across the enterprise.

Contact

Hicof AG
Roosstrasse 53
CH-8832 Wollerau
Tel: +41 (0)44 787 39 55
Mail: info@hicof.com
Web: www.hicof.com