# AMACODER

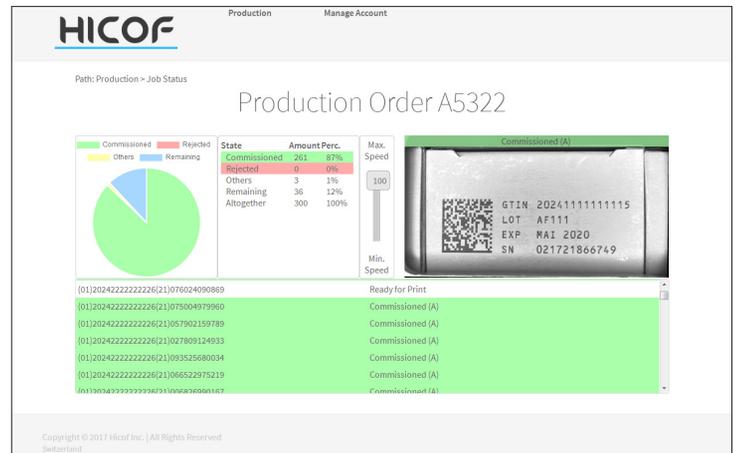## One stop sourcing for Serialization

### Highlights

- Integrated solution of coding line and **end to end IT-System** (from coding line up to governmental DB)
- Innovative mechanics and cloud based IT – **Unrivaled low investment** and **running cost** plus short delivery time
- Extremely **short coding line** (1 Meter incl. Labeler)
- **Easy operation**-> No experts required

### System

Hicof combines the coding and labeling line with a comprehensive corporate, easy to operate, GxP compliant database to an **integrated solution**. This makes complex and expensive multilevel IT systems with multiple interfaces and data integrity issues obsolete. The Amacoder IT system allows the processing of all serialization data, supports related business processes and offers interfaces to business and governmental partners.

The coding line Amacoder uses an innovative box transport rationale, built in Swiss quality by deploying proven premium industrial components ensuring robust operation. The result is an **ultra-compact machine** (Including labeler only 1 meter long). Integration of Amacoders into existing packaging lines is easy.

Due to its creative mechanical design and use of groundbreaking IT technologies as e.g. cloud computing the Amacoder offers unrivaled **low investment and operational cost** as well as short delivery times.

Hicof – Swiss quality based on 18 years of experience and expertise in serialization.

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## One stop sourcing for Serialization

### Technical specifications codingline Amacoder

The Amacoder is offered in the following versions:

| Functionality | *FLEX* | *SPEED* |
|---|---|---|
| Description | Full blown serialization and TE labeling machine, highly flexible | Full blown serialization and TE labeling machine, high speed |
| Machine width | 1080 mm | 1080 mm |
| Machine depth | 1150 mm (1500 mm$^2$) | 1150 mm |
| Machine height | 1650 mm | 1650 mm |
| Box width | 30 – 200 mm | 30 – 200 mm |
| Box depth | 55 – 300 mm | 55 – 200 mm |
| Box height | 15 – 150 mm | 15 – 150 mm |
| Machine Speed | Up to 80 pcs/minute | Up to 150 pcs/minute |

### Amacoder IT deliverables

| Hierarchy | Functionality | Availability |
|---|---|---|
| **Level 1**: Line control | Printer, camera and labeler controller, PLC; machine settings (recipes) | Included |
| **Level 2**: Line Server | Mgt. of line serial data as serial numbers, rejects, sampling and number reconciliation; Batch record | Included |
| **Level 3**: Site & Corporate Server | Packaging order Mgt.; Master data Mgt.; Report generator; Communication with MAH through private data hubs as TraceLink | Included |
| **Level 4**: MAH Server | Serial number generator; Communication with governmental agencies like EMVO | Optional |
| Interfaces | Standard interfaces to data hubs | Included |
| Interfaces | Customer specific interfaces | Optional |
| Services | Software updates and support | Included |

### Implementation Support

Hicof AG offers documentation & support for validation/qualification (IQ-OQ-FAT-SAT) and training in form of standardizes packages. Additional support regarding business processes, legal require-ments and barcode technologies offers our mother company Vesdo AG.