Atlantic ZEISER
a coesia company

# MAILMASTER

## Flexible and Affordable Card Mailing System

# MAILMASTER
## With most comprehensive true Rainbow Deck capability

Thanks to MAILMASTER, the mailing of financial, ID, customer loyalty and similar cards is more flexible and efficient than ever before at speeds of up to 3,000 pieces per hour. The system can process multiple small and completely different orders in a single production run – seamlessly and without any interruptions, even in case of order sizes of one. These true Rainbow Deck capabilities offered by MAILMASTER are more comprehensive than any competing mid-volume system currently available.

## ENDLESS OPTIONS

MAILMASTER can change multiple parameters on the fly per mail piece, letter template, printer tray, simplex/duplex letter printing, location of the card-to-sheet matching barcode and count of enclosure. In addition to the Word-based mail-merge process, the use of pre-rendered PCL, PostScript and PDF files for letter printing is possible – allowing maximum freedom in template design.

The system's new software platform features an enhanced state-of-the-art graphical user interface and guarantees correct matching of the cards with the personalized letter.

## PERFORMANCE AND STABILITY

The MAILMASTER Machine Control software is based on Windows 10/11 and manages the entire data flow and processes of the base system. It features a direct interface for all supported database and datafile formats. The result is a significantly improved performance and stability.

## FEEDING MODES

MAILMASTER comes with up to four card feeders, which can be operated in various feeding modes.

## RELIABLE CARD IDENTIFICATION

A unique card identifier is read either by means of the magnetic stripe, the chip (contact or contactless), or a graphically personalized element. MAILMASTER enables very reliable 1D/2D code and OCR-based card reading using the Atlantic Zeiser VERICAM Pro camera system. VERICAM Pro is based on a highly robust smart binarization process and on a powerful contour-matching technique.

## CARD ATTACHING

MAILMASTER starts the letter printing process in the background. It can choose from various printer trays for A4 or US letter format paper. Prior to card attaching, the printed letter is compared with the identification feature of the card using a barcode or 2D code. MAILMASTER allows attaching of up to four cards to the printed document.

## CHECKS AND BALANCES

After inserting the folded mail piece together with up to six enclosures, an optional inline scale system with integrated 2D code reader can check whether the sequence of mail pieces is correct. Additionally, it compares the measured weight against the calculated total weight for letter, card(s) and enclosure(s) to ensure each pieces accuracy.

## UNSURPASSED POSSIBILITIES

For the automated mailing of cards in the performance class up to 3,000 mail pieces per hour, MAILMASTER offers unsurpassed possibilities.
Very low cost per card and maximum integrity when merging cards, personalized letters and enclosures make MAILMASTER a system that is second to none.

# MAILMASTER at a glance

### ENCLOSURE FEEDING

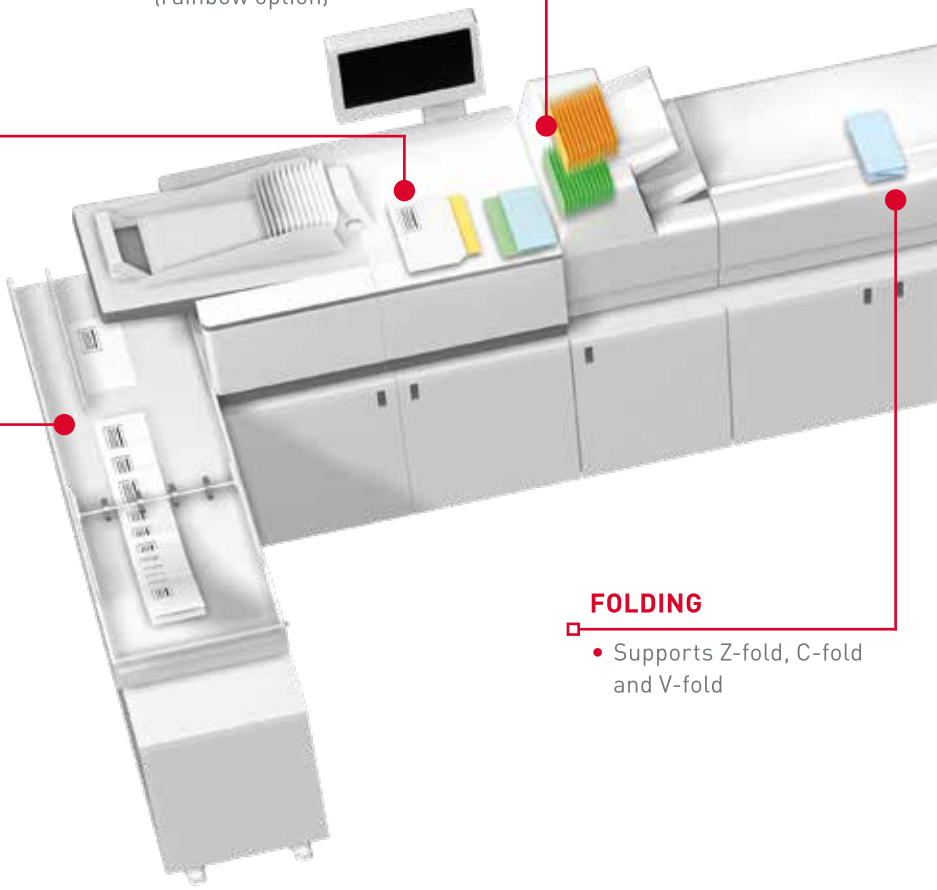
- Up to 6 enclosures (sheet and/or booklet)
- Selective enclosure feeding (rainbow option)

### ENVELOPE INSERTING

- Handles mail pieces and enclosures up to 6 mm
- Up to 400 standard sized envelope capacity

### SCALE AND DELIVERY FOR ENVELOPES

- Delivery conveyor for up to 600 finished envelopes
- Optional scale for weighing of finished mail pieces with 2D code reader for the envelope address



### FOLDING

- Supports Z-fold, C-fold and V-fold

## The state of the art, mid-range mailing system for financial, ID, loyalty and membership card distribution

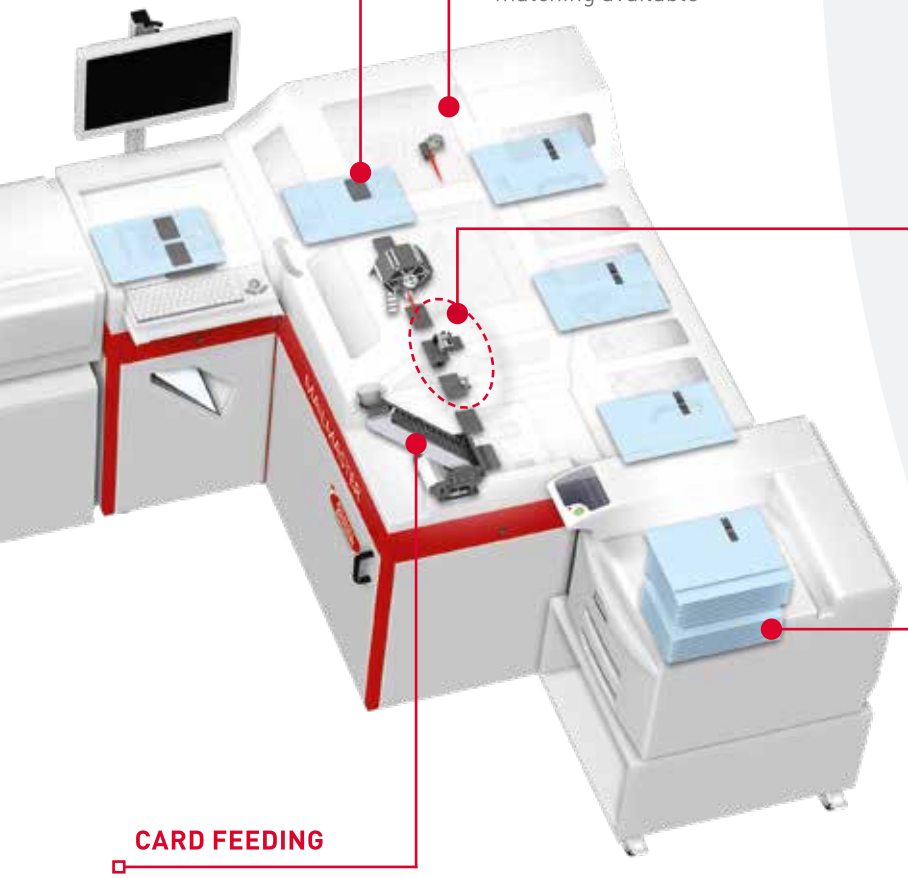
- Production speeds of up to 3,000 pieces per hour
- Easy to operate interface using Windows 10/11 based software
- Supports printing of Word Mailmerge Templates or using pre-rendered PCL, PostScript and PDF files
- Rainbow Deck for efficient processing of small orders and the ability to change multiple parameters on the fly
- Direct interfaces for MS access, DBF, textfiles (CDV, TXT), structured text; other database like Microsoft SQL, mySQL possible to add
- Up to 4 feeders

## CARD ATTACHING

- Precisely attaching of up to 4 cards
- Attaching possible to the middle and lower fold

## SHEET TO CARD MATCHING

- Matching based on barcode printed on document
- Option for 2D code based matching available



## CARD READING UNITS

- Barcode reader
- 2D code reader
- VERICAM Pro OCR, barcode and 2D code camera reading
- Magnetic stripe reader
- Contactless chip card reader
- Contact chip card reader

## DOCUMENT PRINTING

- A4 or US letter
- Microsoft Word-based mail-merge process
- Letter template can change on the fly (rainbow option)
- Printing of pre-rendered PCL, Postscipt or PDF files
- On the fly simplex/duplex printing and printer tray selection (rainbow option)
- Interface for optional cut-sheet feeder (for pre-printed letters)

## CARD FEEDING

- Up to 4 card feeders

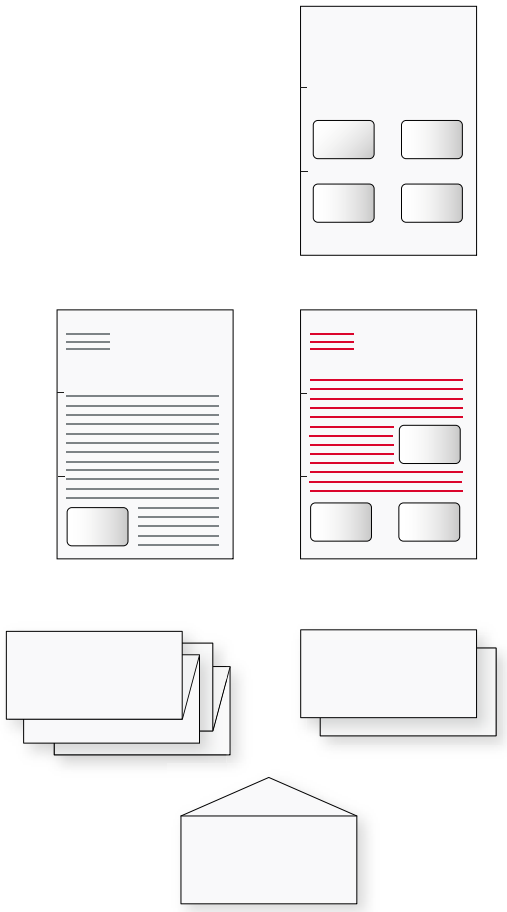
- Contact and contactless card reading capabilities
- Reliable 1D/2D code and OCR-based card reading using Atlantic Zeiser VERICAM Pro camera system
- Multiple folding options (V, C, Z) changeable on the fly
- Selective enclosure feeding increases versatility of applications
- Handling a wide range of inserts – from sheets to booklets
- Optional quality control scale including barcode-based tracking
- Flexible design allows for various upgrade possibilities to meet new business opportunities

# MAILMASTER – the next level card mailing system

## INDIVIDUAL CONTENTS AND LAYOUTS

Multiple orders requiring different mailing setup configurations can be combined to a single production job for highly efficient production. Based on this rainbow deck processing feature, the system can change multiple parameters on the fly per mail piece:

- letter template
- simplex/duplex letter printing
- printer tray
- location of the card-to-sheet matching barcode
- enclosure selection



## SELECTIVE ENCLOSURE FEEDING

Enclosures may be added selectively to each mailing.

## NUMBER OF CARDS

Up to four cards can be attached to each document. Cards can be attached to the middle and lower fold.

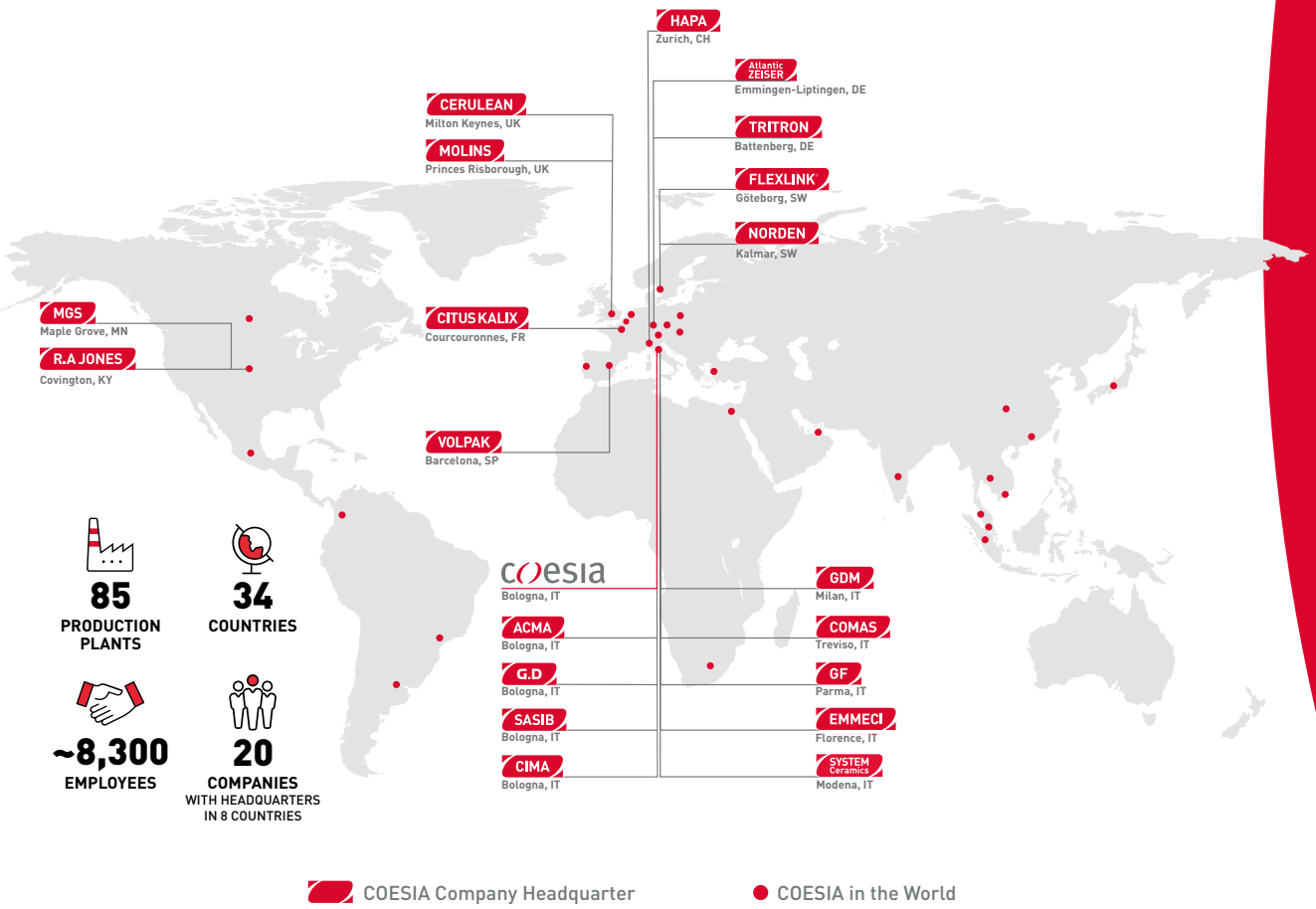
## HIGHEST INTEGRITY

Both the cards and the documents are read and matched before inserting. The corresponding error handling diverts incorrect cards and documents and, if necessary, stops the system in the event of incomplete mailings. This ensures that each customer receives the right card(s) on the right document.

Additionally, there are features included ensuring a high level of quality. After closing the envelope, using the scale option, a 2D tracking code can be read and the particular mail can be weighed. This information in combination with the process control of the card attachment guarantees the highest level of integrity.

| Technical Specifications | MAILMASTER | |
|---|---|---|
| System Facts | Throughput | Up to 3,000 pieces per hour<br>The net performance will depend on job parameters and the selected sheet printer model |
| Card Feeding | Card Format | ID1 / CR 80 format (54 x 85.6 mm x 0.76 mm / 2.13 x 3.37 inches x 30 mil)<br>According to ISO 7810 and ISO 7816 |
| | Magazine Capacity | Up to 500 flat cards; embossed: will be less |
| Card Reading | Chip | Contact ISO 7816 / contactless ISO 14443A/B |
| | Magnetic Stripe | HiCo/LoCo ISO 7811 |
| | Barcode | Code 128, Code 39, 2 of 5 interleaved, Codabar, EAN13/8 |
| | 2D Code | QR, PDF 417, Datamatrix |
| | OCR (Text) | Plain Text |
| Document Reading | Code | Barcode / 2D Code |
| Paper Feeding | Paper Format | DIN A4, US letter |
| | Paper Weight | 80 – 120 g/m2 |
| Card Attaching | Method | Double-sided self-adhesive labels |
| | Amount of Cards | Up to 4 per carrier (selective) |
| | Card Positions | Configurable |
| Paper Processing | Folding | Z-fold, C-fold (wrap-fold), V-fold (half-fold) |
| Enclosure Feeding | Thickness | Up to 4 mm |
| | Number of Enclosure Feeders | Up to 6 |
| | Enclosures per Mail Piece | Up to 6 (selective) |
| Inserting | Envelope Size | DIN C6/5 |
| | Filling Thickness | Up to 6 mm |
| Software | Operating System | Windows 10/11 |
| Quality Control | Card Attachment | Ultrasonic sensor for presence check of double-sided self-adhesive label between card and carrier |
| | Card and Carrier Inserting | Weighing of finished envelope, reading of inserted carrier through envelope window |

# Coesia Group in the world




COESIA is a group of innovation-based industrial and packaging solutions companies operating globally, headquartered in Bologna, Italy.

Coesia's companies are leaders in the sectors of:

- **Advanced automated machinery**
- **Industrial process solutions**
- **High-performance transmissions**

Coesia's customers are leading players in a broad range of industries, including Aerospace, Ceramic Tiles, Consumer Goods, Electronics, Energy Storage Systems, Healthcare & Pharma, Luxury Goods, Next-generation products, Racing & Automotive, Semiconductors, and Tobacco.

**Atlantic Zeiser GmbH**
Carl-Benz-Strasse 16
78576 Emmingen-Liptingen
Germany
T +49 7465 291-0
info@atlanticzeiser.com

Atlantic ZEISER
a coesia company

www.atlanticzeiser.com

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