

A card mailing system

that completely adapts to your needs



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A4
US Letter



85.60 x 53.98 mm
3 3/8" x 2 1/8"



0 – 4 cards
per carrier



9,000
cards/h



1.2 mm/0.05"

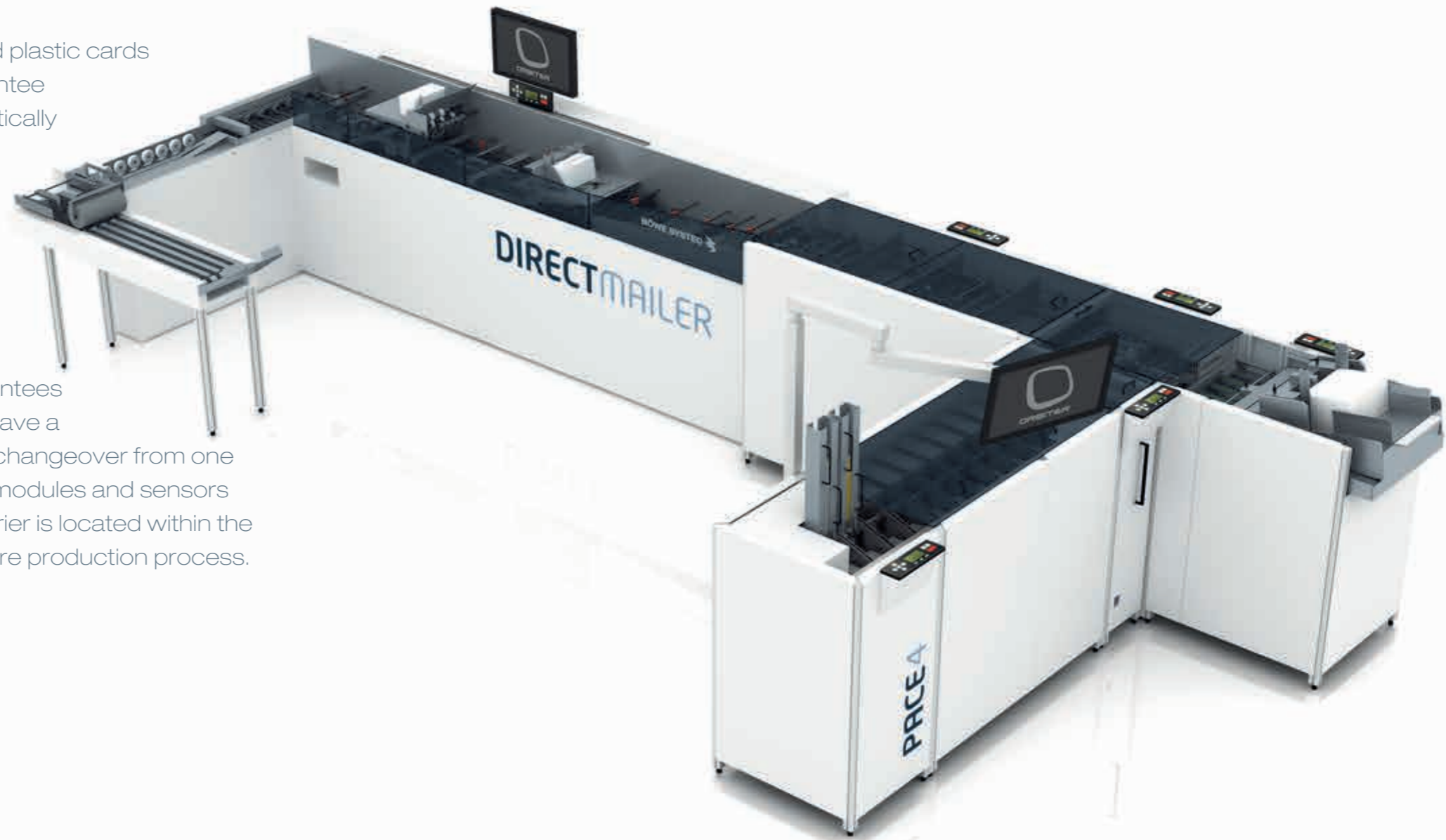


modular
concept

PACE

Bringing together what belongs together

BÖWE SYSTEC card mailing systems enable personalized plastic cards to be sent to card holders quickly and reliably. They guarantee the exact matching of cards and documents and automatically attach the cards to the corresponding carriers. If required, the card carriers can then be inserted into envelopes together with enclosures. Based on our modular inserting systems, we offer our customers individual solutions that can be retrofitted at any time. The Pace card mailing system has perfected the concept of modularity, as Pace grows along with our customers' production volumes. Already today, this guarantees the greatest possible investment protection. All systems have a uniform operating philosophy which allows fast and easy changeover from one job to the next, even if the batch sizes are small. Reading modules and sensors provide information about where each card and each carrier is located within the system. The result is absolute integrity throughout the entire production process.



With speeds of up to **9,000 cards per hour** (depending on the configuration), Pace is able to process virtually any card mailing application quickly, easily and cost-effectively



Pace's **modular concept** allows the system to grow with increasing production volumes



Processing of **pre-printed documents** or **integration of different printers**



The freely configurable **card channel** and the flexible **attaching station** form the heart of Pace



Maximum integrity throughout the entire production process via reading modules and sensors



High degree of investment protection thanks to the truly modular system design

Outstanding flexibility

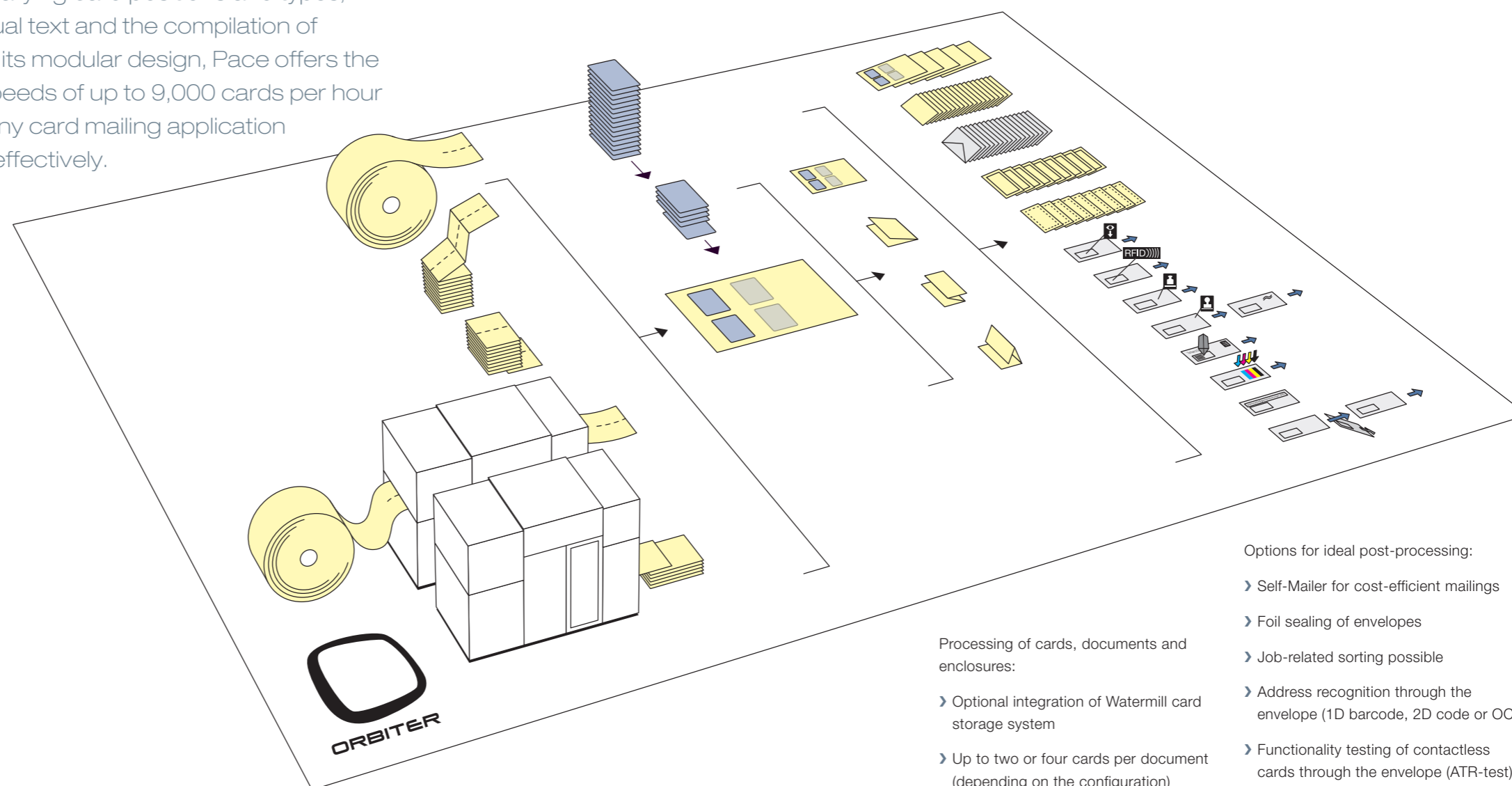
for any requirement

BÖWE SYSTEC is setting new standards in card mailing. Whether standard applications or highly complex letters with varying card positions and types, different paper formats and layouts, individual text and the compilation of variable or customized enclosures – due to its modular design, Pace offers the right solution for every requirement. With speeds of up to 9,000 cards per hour (depending on the configuration), virtually any card mailing application can be processed quickly, easily and cost-effectively.



Highly flexible document input options:

- › Multi-channel capable
- › Continuous or cut-sheet processing
- › 1-up and 2-up processing
- › Processing of pre-printed documents and integration of monochrome and color printers possible for realizing the White Paper Factory



Processing of cards, documents and enclosures:

- › Optional integration of Watermill card storage system
- › Up to two or four cards per document (depending on the configuration)
- › PCI-ready (Payments Card Industry Data Security Standard)
- › Single, C and Z fold possible (depending on the configuration)

Options for ideal post-processing:

- › Self-Mailer for cost-efficient mailings
- › Foil sealing of envelopes
- › Job-related sorting possible
- › Address recognition through the envelope (1D barcode, 2D code or OCR)
- › Functionality testing of contactless cards through the envelope (ATR-test) during transport
- › Integrated dynamic scale for Computerized Weighing (CW)
- › Integration of postage meters
- › Envelope Print On Demand (EPOD)
- › Attaching of business reply cards

Modularity has a name

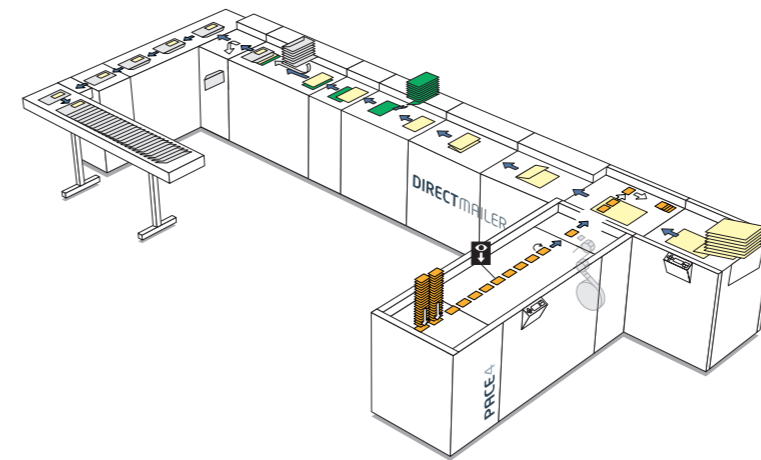
Looking for a card mailing system that adapts flexibly to your needs at all times? Then Pace is just the right system, for this machine, has perfected the concept of modularity. Pace is fully modular and can be retrofitted at any time. We can thus offer our customers perfectly tailored solutions with the greatest possible investment security. Why pay more today than what you really need?



Pace's modular concept allows the system to grow with increasing processing volumes. The basic system of Pace, **Pace 4**, is the ideal entry-level system for card mailing. With an output of 4,000 cards

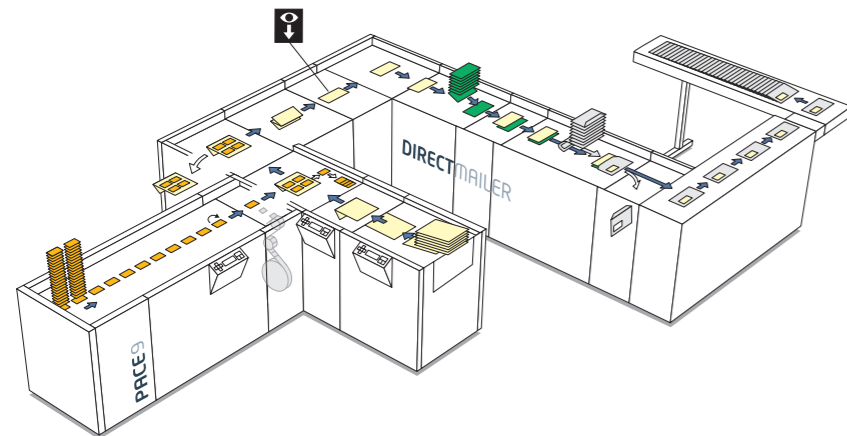
per hour, it handles smaller volumes quickly and reliably. If the order volume continues to increase and a high-performance machine for card processing is needed, the upgrade to the full version

of Pace, **Pace 9**, is the perfect solution. By adapting the system configuration at the customer's site, Pace 9 reaches the full performance range of up to 9,000 cards per hour.



Pace 4

- › Pace 4, the basic version of Pace, is the ideal entry-level machine for card processing and ideally suited for smaller production volumes
- › Performance of up to 4,000 cards/h
- › Reliably handles DL, C5, #10 and 6 x 9 formats
- › 0 – 2 cards per carrier
- › Flap folding unit for C, Z or single fold
- › Basic version of BÖWE Cockpit for simple and intuitive system control

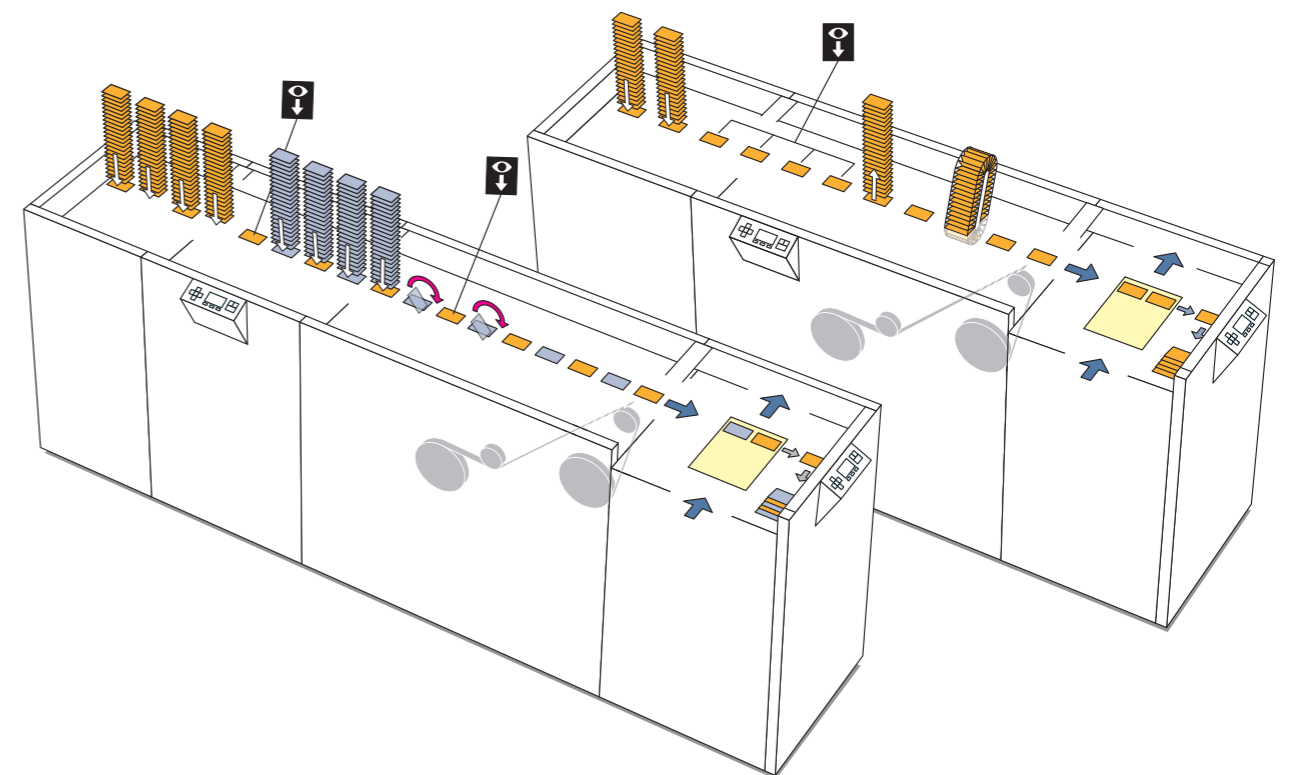
**Pace 9**

- › If the order volume continues to increase and a high-performance machine for card processing is needed, the upgrade to the full version of Pace, Pace 9, is the perfect solution
- › By adapting the system configuration, the full performance range of Pace 9 can be reached
- › All conversion work can be carried out at the customer's site
- › Performance of up to 9,000 cards/h
- › Reliably handles DL, C5, #10 and 6 x 9 formats
- › 0 – 4 cards per carrier
- › Pocket and plough folding unit for Z or single fold
- › Basic version of BÖWE Cockpit for simple and intuitive system control

Card channel and attaching station

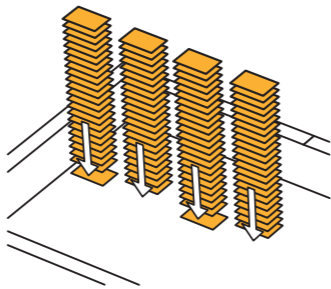
The heart of Pace

The card channel and attaching station are the central unit of the card mailing system Pace. The card channel can be freely configured and is available with eleven or 16 stations; it can be individually outfitted with feeder magazines, various readers, turning units, restacking magazines, a card buffer, a mass storage device as well as labeling modules. The attaching station can reliably apply up to 9,000 cards per hour to the corresponding carrier document. The position of the cards on the documents may vary and the cards can optionally be rotated $\pm 90^\circ$ as needed.



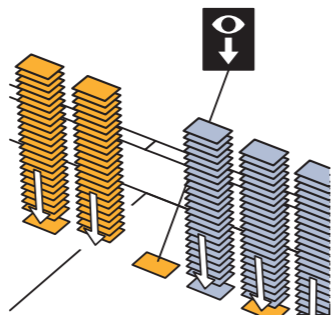
1 Feeder magazine

- › For all standard ID-1 cards from 0.5 mm – 1.2 mm thickness
- › Serial, parallel or selective draw-off
- › High capacity for up to 500 non-embossed or 300 embossed cards
- › Easy refill during operation



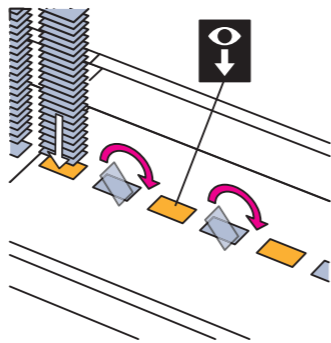
2 Card reader

- › Magnetic stripe (LoCo/HiCo)
- › Contact chips
- › Contactless chips (ISO 14443, Mifare type A and B)
- › 1D barcode
- › 2D code/Data Matrix
- › OCR/OCV
- › Logos
- › Other readers upon request



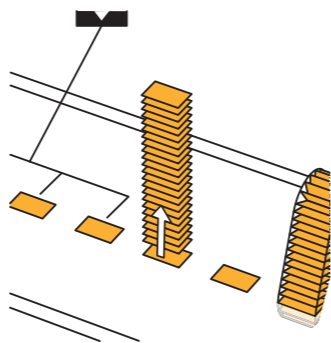
3 Card turn-over

- › Card can be read independent of feeding direction
- › Card can be fed face down and still be attached face up



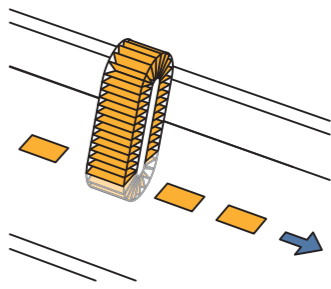
4 Restacking magazines

- › For stacking cards
- › For diverting (defective) cards



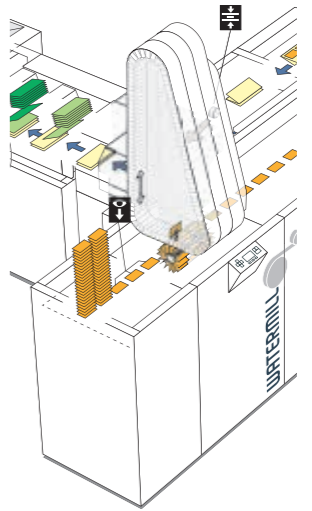
5 Card buffer

- › Enables the synchronization of card channel and paper channel in online systems
- › Holds up to 100 plastic cards



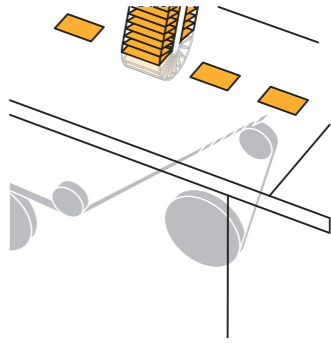
6 Watermill card storage

- › Optimally orders unsorted cards
- › Due to its high storage capacity, it is able to bundle a large number of individual jobs and forms the basis for efficient processing
- › Minimizes time and effort for frequent job changeovers
- › Enables fully automated pre-assembly of cards
- › Comes with three or six modules per card channel and stores up to 1,890 or 3,780 cards respectively



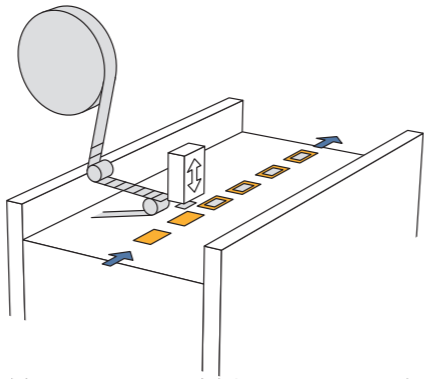
7 Miscellaneous options for attaching cards

- › Self-adhesive, pre-cut label is attached to the back of the card
- › Label is cut from a roll and applied to the back of the card
- › Hot glue is applied to the card carrier



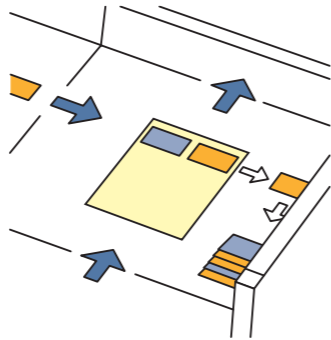
8 Activation stickers attached directly onto cards

- › Pre-printed activation stickers are attached on the front side of a card so that, for example, credit cards can be activated by dialing a telephone number printed on the label
- › Advertising messages on the front side of a card
- › Specifications of activation labels:
width: 60 mm – 80 mm,
length: ½" (12.9 mm) – 1" (25.4 mm);
other label specifications available upon request



9 Attaching station

- › The cards are attached to the matching carrier documents
- › Up to six cards can be attached onto a carrier
- › Selective and fully-automated positioning of the cards in x- and y-directions
- › Contains diverting module for cards without matching carriers
- › The cards can optionally be rotated in 1° (up to +/-90°) increments as needed

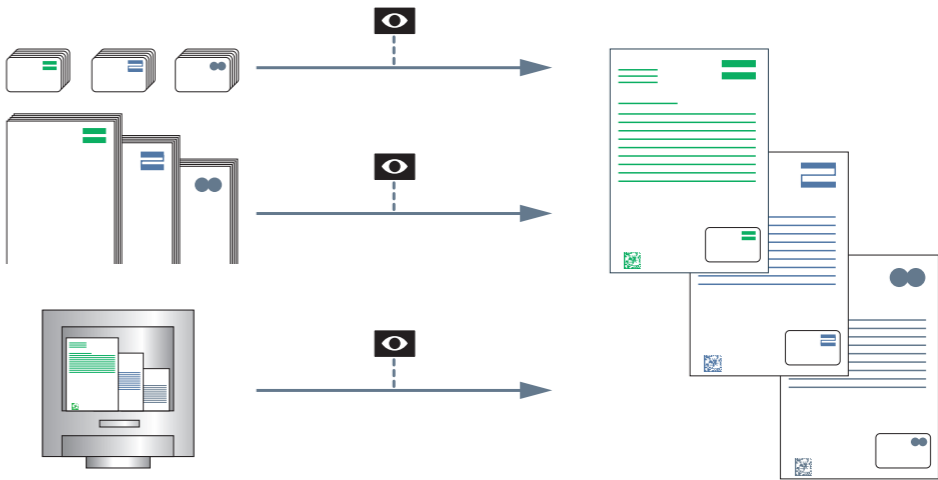


Comprehensive integrity throughout the entire production process

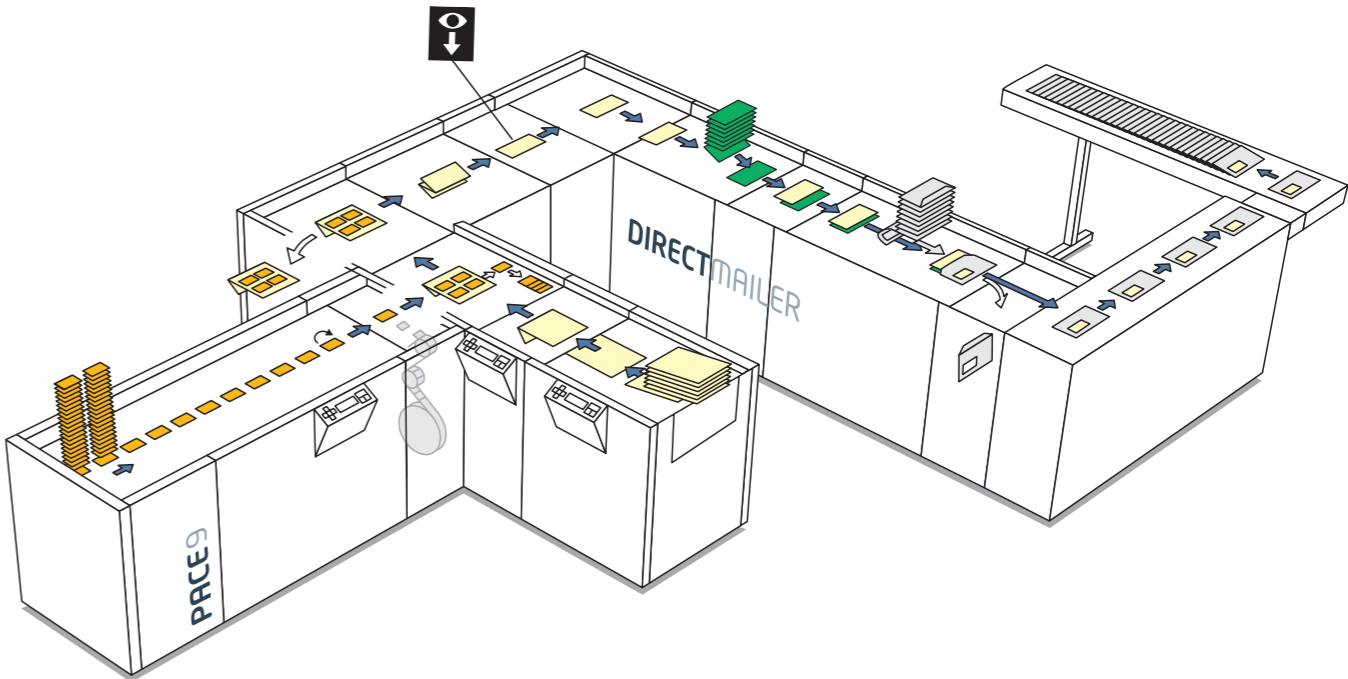
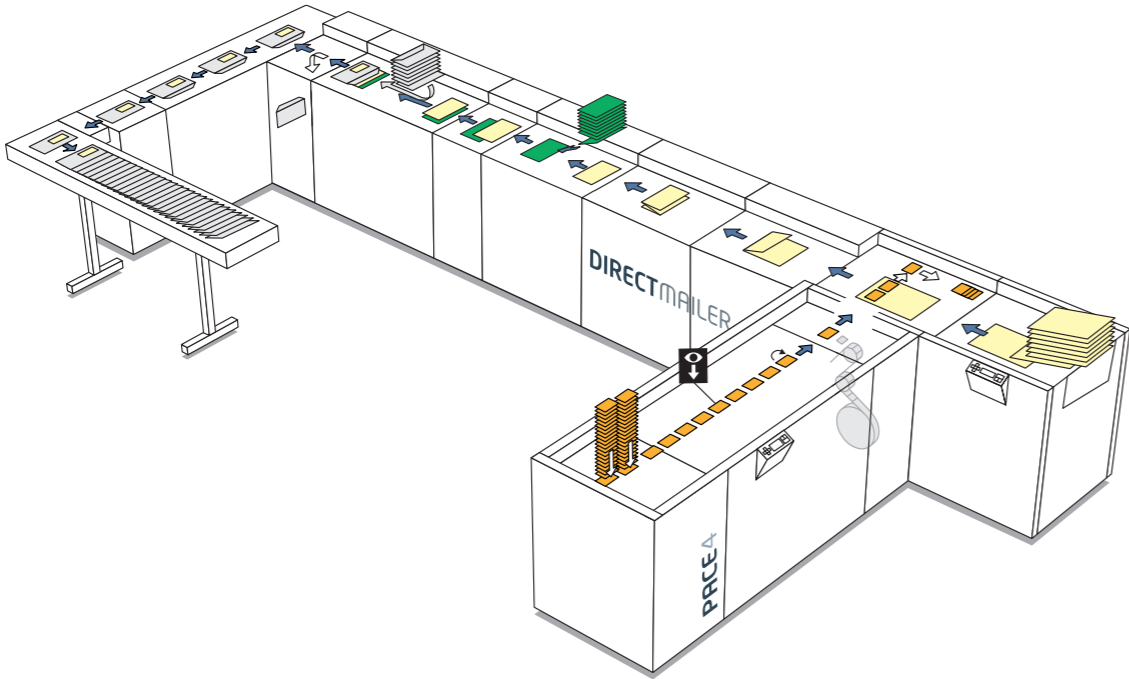
Continuous tracking of materials and continuous monitoring of the entire production process in all of our card mailing systems guarantee maximum integrity. Reading modules provide reliable identification of cards and documents and ensure that the right card is attached to the right carrier. Mismatched or defective cards and carriers are automatically diverted. This system is PCI-ready. Special safety mechanisms prevent any outside interference in the production process.



Pace easily handles different forms during a single production process. With the help of a reader module, Pace ensures that the right text appears on the right pre-printed form with the right plastic card attached to it. In addition, this system complies with all security standards of leading credit card companies. Special mechanical and electronic safeguards prevent any manipulation during the production process.



Technical Data



Max. performance

up to 4,000 or 9,000 cards/h

Documents from the infeed channel

A4 and US Letter

Paper weight

70 – 160 g/m²

Other formats and weights upon request

Card formats

ISO/IEC 7810 ID-1 Format CR 80 85.60 mm x 53.98 mm x 0.76 mm

Other formats upon request

Card thickness

0.5 mm – 1.2 mm

Other thicknesses upon request

Card material

PVC, ABS, PC, PET-G

Card feeding

Serial

Selective

Parallel

Card channel

Eleven or 16 module positions

Card buffer

Capacity of up to 100 cards

Card storage

Capacity of up to 1,890 cards with three modules

Capacity of up to 3,780 cards with six modules

Stand-alone

Integrated in BÖWE SYSTEC card mailing systems