CARDLINE® VERSA
Card Personalization End-to-End System Solution

ATLANTIC ZEISER

¬ Operator-friendly ¬ Maximum Flexibility
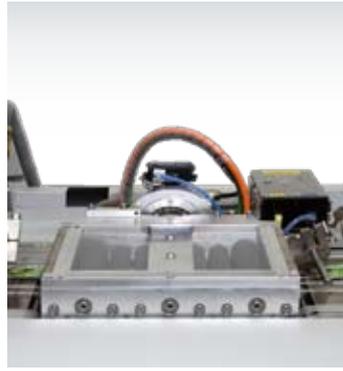¬ Highly Versatile ¬ Trouble-free ¬ Cost-efficient

Infeed

The high performance friction feeder unit for variable formats is equipped with a vertical card holder. Optionally a horizontal product loader for larger volumes can be added.

The feeder system is synchronized to the speed of the main transport system. Optional pre-read camera/scanning devices are available.

Magnetic Encoding

Atlantic Zeiser's state-of-the-art high precision magnetic encoder allows full flexibility in the encoding of magstripes positioned anywhere across the card and from top down or bottom up.

This unit can be configured with an additional set of write/read heads for parallel encoding of up to two magstripes. Both TOP DOWN and BOTTOM UP encoding are standard. Stripes can be encoded in either forward or backward directions.

Three-track HiCo and LoCo encoding utilizes the same ceramic write and read heads; HiCo up to 25,000 cards/h and LoCo up to 36,000 cards/h.

Driven by a separate servo drive for a vibration free card transport, the encoding can take place on independent tracks in either ISO 7811/2-LoCo or ISO 7811/6-HiCo.

In-line Pre-treatment of Substrates

- Plasma Unit
  For better adhesion and print quality on challenging substrates
- Ionization Unit
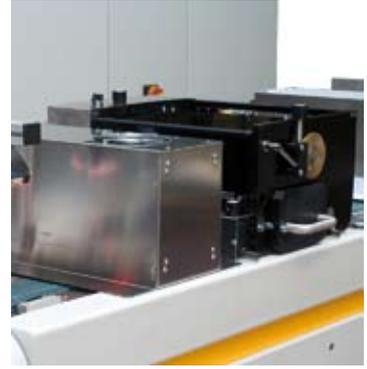 For removal of static electricity

Inkjet imaging Solutions

Various inkjet imaging solutions are available for high quality and high production speeds according to customer needs:

- OMEGA™ print engines QUALImpress™ print mode with up to 720 dpi for brilliant print quality
- Print widths from 36 mm to 72 mm (1.42 to 2.84 inches)
- Atlantic Zeiser developed special inks (UV, solvent, glycol)
- Spot color and white inks
- Multiple head configurations
- OMEGA™ 70 P for printing with white ink

UV Curing

Compact UV curing systems are fully shielded and integrated for Atlantic Zeiser developed UV curable inks that are available in black as well as a variety of spot colors. Air cooled SENSECURE™ system for high speed applications and for white ink; and energy saving water-cooled SMARTCURE™ (UV LED system) for temperature-sensitive products.

• Compact design requiring less space than conventional UV drying units
• Energy saving and long-life curing unit

VERICAM™ Camera Verification

The VERICAM™ camera has been designed based on the latest advancements in ergonomics and usability research. It offers a truly easy to use, intuitive user interface. Job setup may be simply done via drag-and-drop on a touch screen – there is no additional keyboard or mouse required.

ANSI Grader

For inline quality grading of linear bar codes based on the ANSI standard. The grading results can be stored for each individual card.

Flipping

High-speed flipping module for single pass front and back personalization of rectangular CR80 cards.
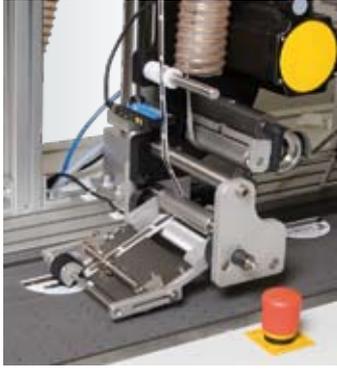
NEW

Secure PIN Coverage Printing

This new module offers an economical and highly secure alternative to scratch-off labeling and hot-foiling.

• Low cost at high security
• PIN coverage printing for scratch-off multi-voucher and other card applications
• Combined with reliable and state-of-the-art DoD PIN print technology
• Greatest format flexibility
• Simple job set-up

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Labeling
High-speed accurate wipe on label unit for application of standard or custom security labels. The optional x-core function reduces the number of roll changes and machine downtime. A user-friendly waste aspiration feature eliminates waste roll rewinding.

Label Verification
A high-speed camera checks and verifies the position and integrity of each scratch-off security label.

Attaching Module
Attaching Module with vertical feeder for precisely application of the carrier onto the in-line personalized card and glue unit applying a spot or line of glue to securely attach the card to thecarrier.

Attach Verification
An additional camera verifies the correct placement of the carriers.

Delivery
The system design allows a choice of three different delivery options, all mounted on wheels for simple, easy and fast interchangeability (approximately 5 minutes).

- "Shingle Delivery Unit" includes waste gate, audit trail camera (optional) with printed report capability, and shingle delivery.
- "Dual Shingle Delivery Unit" (see picture above) includes waste gate, shingle delivery for remade cards, optional audit-trail camera with printed report capability, and shingle-delivery for good cards.
- "Card Sort Unit" provides four (4) delivery sort bins and one bad card waste box.

Auto Start-Up
AccuStart™ allows for immediate and precise job restarts at the correct data record without re-programming.

Other Features
The modular design allows for configuration changes and additions.

CARDLINE® VERSA –
Configured to the Needs of Product Designers and Card Manufacturers

The Card Personalization System from Atlantic Zeiser features:

- Quick set-up times and fast job changeover

- Integrated system performance up to 40,000 cards/h

- Consistent production performance

- Adjustable high-speed mag encoding (HiCo, LoCo) including non-ISO positions

- Flexible positioning of personalization features

- QUAL*Impress*™ print mode for brilliant print appearance

- Low energy SMARTCURE™ UV LED curing system

NEW   • Secure PIN module for cost-effective scratch-off security panel printing

- Inline attaching module for attaching carriers to the cards

- Flipping module for single pass personalization of both card sides

- Unique and accurate card alignment sections

- Low machine maintenance

- Easy machine accessibility

- Optional integrated audit trail with independent production report

- AccuStart™ – automatic in sequence restart

- Optional dual shingle delivery feature for insertion of remade cards

- Optional card sorting and batching

CARDLINE® VERSA combines new state-of-the-art features to achieve greater flexibility, enhanced performance, with an operator-friendly and low-maintenance system design.

Technical Specifications CARDLINE VERSA

Machine Dimensions	Typical configuration: 1 Infeed Module + 2 Transport Modules + 1 Shingle Delivery Length: 7,900 mm 311.0 inches Width: 900 mm 34.4 inches Height: 2,000 mm 78.7 inches

Product Dimensions*	**CARDS/VOUCHERS**
	 Dimensions: Min. 54 x 54 mm (2.125 x 2.125 inches) – running direction x across
	    Max. 305 x 198 mm (12 x 7.795 inches) – running direction x across
	 Thickness: 0.25 – 1.0 mm (10 – 40 mil)
	 Materials: PVC, ABS, PETG, Styrene (PS), Polyethylene (PE), Paper
	 Warpage: max. 0.5 mm (both directions)
	
	 CARRIERS
	 Dimensions: Min. 54 x 50.6 mm (2.125 x 2 inches) – running direction x across
	    Max. 254 x 198 mm (10 x 7.795 inches) – running direction x across
	 Thickness: 0.25 – 3.175 mm (10 – 125 mil) for carrier + card
	 Warpage: max. 0.5 mm (both directions)
	
	 *Depending on the configuration of the machine, the format restrictions may be tighter.

Production Speed	Up to 40,000 cards/h – depending on machine configuration, product format and substrate
Power Supply	400 VAC ±10% / 50 or 60 Hz / three phases + N + PE
Ambient Temperature	10 – 30 °C
Relative Humidity	40 – 80% at 25 °C not condensing
Compressed Air Supply	8 bar (116 psi), around 300 l/min depending on configuration