

CARDLINE Module

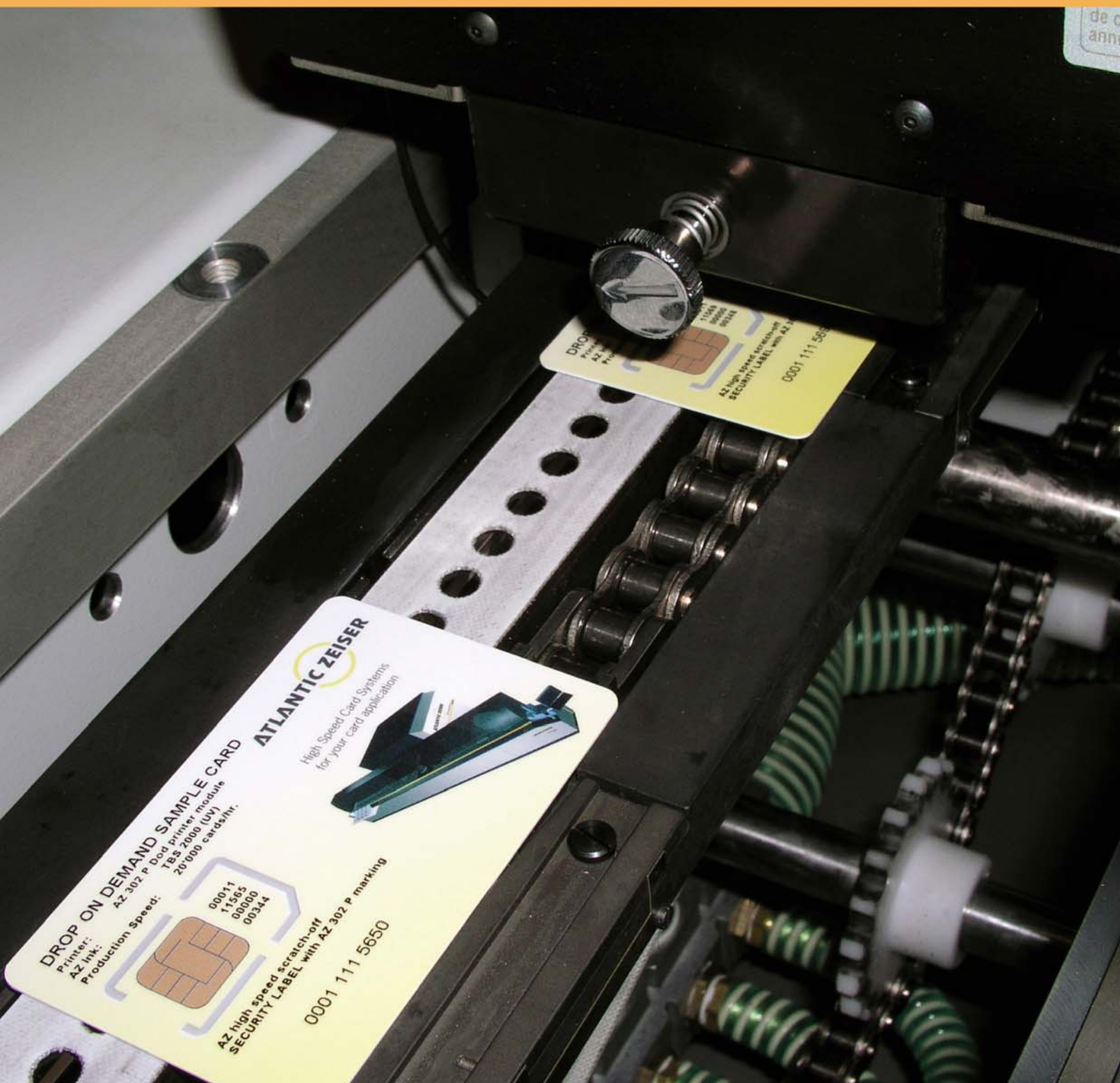
High Speed Card Personalization Digital Ink Jet Printing



CARD SYSTEMS ○

BRAND PROTECTION / TRACK & TRACE ○

SECURITY & GENERAL PRINTING ○



DROP ON DEMAND SAMPLE CARD
Printer: AZ 302 P
AZ Ink:
Production Speed: 20'000 cards/hr.



00011
11565
00000
00344

AZ high speed scratch-off
SECURITY LABEL with AZ 302 P marking

0001 111 5650

ATLANTIC ZEISER
High Speed Card Systems
for your Card application



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High-performance printing systems – digital inkjet technology

Totally flexible and hence adaptable to any future requirements – this is the design philosophy underpinning the high-performance card personalization systems made by Atlantic Zeiser. These systems incorporate a diverse range of technologies, put together in varying combinations to meet any set of specifications, producing instant state-of-the-art solutions to suit any type of card personalization application. The principle means by which Atlantic Zeiser can achieve this level of integration: each and every individual technology from a single source.

Digital high-performance inkjet printing systems are among the most commonly used technologies deployed in card personalization. The output quality achieved by the new high-resolution drop-on-demand printing systems in particular has opened up new areas of application. From simple single-array jets right through to high-resolution drop-on-demand technologies, custom-designed solutions cater to every need.

text information

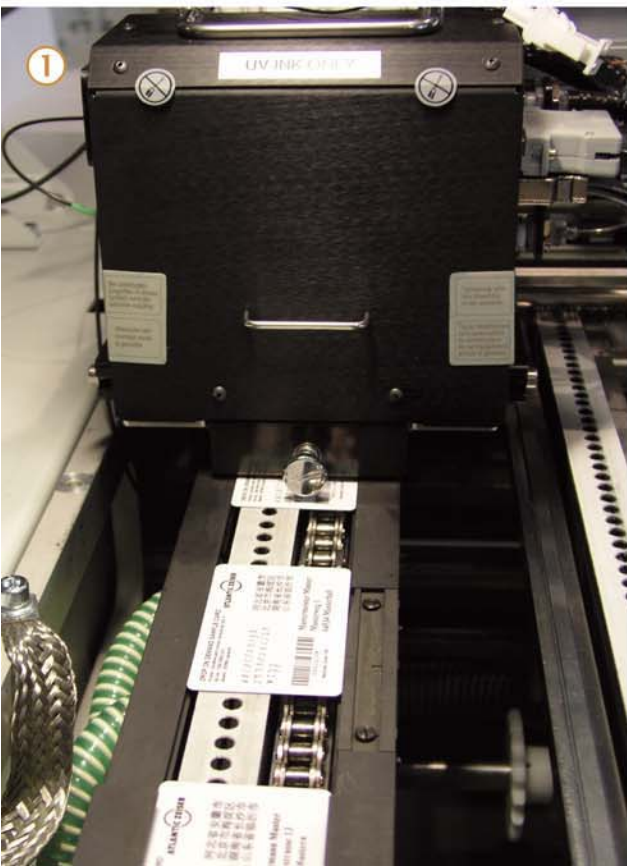
PIN codes/
ICC ID numbers

various
bar codes

logos/
graphic elements

Chinese
characters

addresses



① DoD Array Jet Printer AZ 302 P

The high-resolution print output and excellent adhesive properties of the inks are equally impressive in the AZ 302 P drop-on-demand inkjet printer. With unparalleled production speeds of up to 20'000 cards/hour, this innovative digital inkjet technology is the perfect high-performance alternative to traditional printing systems for personalization solutions.

Atlantic Zeiser DoD printing systems incorporating the AZ 302 P installed in the market are building an impressive record of the printer's capabilities. Years of experience in developing high-performance inkjet systems make Atlantic Zeiser the leading partner for digital card personalization solutions.

Performance and efficiency in line with market requirements

- High resolution (300 x 300 dpi) for optimal printing quality
- Top performance speeds of up to 20'000 cards/h
- Printing width of 65 mm (2.56 inches) for printing across entire card surfaces (CR80)
- Reduced operating costs
- Printing of text, bar codes, logos, graphic elements
- Special AZ inks (UV ink) with outstanding adhesive properties
- User-friendly design makes for easy handling and low maintenance requirements
 - » Windows-based user interface
 - » Automated test routines at system start-up
- Multiple-head application available

② Continuous Array Jet Printer ALPHA 200

The Alpha 200 digital inkjet printer combines the tried-and-proven characteristics of the Alpha 166 with the improvements resulting from the bottom-up development of digital printing systems based on many years' experience in the market. More compact in its dimensions and with upgraded functionalities, the Alpha 200 is the perfect solution for many card personalization requirements.

Flexible, yet easy to operate

- Straightforward and flexible in the use of the most common card substrates (e.g. PVC, paper) with optimal adhesive properties
- Broad range of special inks developed by Atlantic Zeiser
- High throughput without drying
- Printing of text, bar codes, logos, graphic elements
- Single-head and multiple-head applications
- Printing width: 50 mm (2 inches)
- Short start-up and shut-down cycles
- Separate ink supply for up to two print heads combined in one cabinet
- Refilling of ink tanks without interrupting printer operation
- Compact design (in cabinets)

③ Continuous Single Jet Printer BETA

The Beta printer by Atlantic Zeiser represents an economical and easy-to-use solution for imprinting applications. Up to three lines of text (with up to 62 characters per line) can be imprinted using reliable technology. Single-head or double-head solutions for imprinting in a single print run available. Capable of processing numerous types of text information.

In the field of PIN coding, where codes are usually covered by a scratch foil, the Beta printer is the ideal complement to the high-resolution properties of the AZ 302 P DoD printer.

④ UV Dryer Module

A specially adapted UV dryer module allows UV inks to be used even at production speeds of up to 20'000 cards/hour and guarantees outstanding adhesive properties.

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Technical specifications	AZ 302 P	ALPHA 200
Technology	Drop-on-Demand Array Jet	Continuous Array Jet
Resolution	300 x 300 dpi	128 dpi across; 128/256 dpi along
Print width / head	65 mm 2.56 inches	50.8 mm 2 inches
Inks	UV based	solvent based
Image speed	max. 84 m/min	max. 300 m/min
Marking	along/across	along/across
Logos/graphics	flexible logos, graphics, characters (chinese)	flexible logos, graphics, characters
Bar codes	code 39, code 128, coda bar, EAN 8, EAN 13, UPC, 2 of 5 interleaved	code 39, code 128, coda bar, EAN 8, EAN 13, UPC, 2 of 5 interleaved
Technical specifications	BETA	
Technology	Continuous Single Jet	
Optimal character height	3.2 mm (1/8 inches) to more than 6.4 mm (1/4 inches)	
Inks	solvent based	
Image speed	max. 279 m/min	
Marking	along	

