

# delta & sensecure

## Drop-on-Demand Printing and Curing Systems

- High printing quality and speeds
- Water-based and UV inks
- Environment-friendly
- Substrate flexible
- Easy to integrate
- Cost-efficient
- User-friendly



ATLANTIC ZEISER

usb



ready

printer



error



vacuum



production



low ink level



head temperature

purge



delta 105

## **delta** UV and Water-based Inkjet Printing Systems Benchmark Productivity and Substrate Flexibility

- Meet the technical criteria for modern, cost-effective package and label printing, coding and serialization
- Increase cost efficiency, brand value and product quality
- Achieve top print quality with resolutions up to 600 x 600 dpi
- Single-pass spot color printing – UV and water-based
- Software adjustable drop size for ink saving and quality enhancing
- Allow top speeds up to 300 m/min (1000 fpm)
- Print width up to 210 mm (8.3 inches)
- Can be run in a stand-alone DIGILINE system (Atlantic Zeiser end-to-end printing solution) or integrated for example into blister machines, packaging lines, label systems
- Standard communication interfaces
- Ready for Adobe PDF



### **Typical Applications**

- Package and label printing, direct mail, commercial, transactional, security printing
- Frequently changing text, graphics, numbers, bar codes, 2D codes, Datamatrix codes
- Coding, serialization, customization, decoration, personalization, individualization
- Ingredient information, production data, custom designs, serial codes, patient data, expiration dates, different languages and fonts, addresses, billing information
- Printing on blank or pre-printed products

## Your Challenges

- Short product lifecycles
- Efficient just-in-time production of short runs
- Small batch sizes
- Cost transparency
- Substrate flexibility
- High printing quality
- Inline/offline printing and coding
- Anti-Counterfeiting
- Country specific information
- Different bar code requirements
- GMP requirements

## Our Solution

DELTA printer family for package, label, commercial, security printing and coding

Technical Specifications		DELTA 105 UV		DELTA 105i UV		DELTA 210 UV		DELTA 105 WB		DELTA 105i WB		DELTA 210 WB	
Print Width		105 mm 4.1 inches		105 mm 4.1 inches		210 mm 8.3 inches		105 mm 4.1 inches		105 mm 4.1 inches		210 mm 8.3 inches	
Native Resolution		600 dpi		600 dpi		600 dpi		600 dpi		600 dpi		600 dpi	
Resolution Horizontal [dpi]	Max. Print Speed [m/min]	600 300	60 120	600 300	120 240	600 300	60 120	600 300	75 150	600 300	150 300	600 300	75 150
Droplet Volume		6 – 17 pl (variable)		6 – 17 pl (variable)		6 – 17 pl (variable)		5 – 18 pl (variable)		5 – 18 pl (variable)		5 – 18 pl (variable)	
Standard Colors		black		black		black		black		black		black	
Custom Colors		yes		yes		yes		yes		yes		yes	
Smallest Readable Font Size		3 pt		3 pt		3 pt		3 pt		3 pt		3 pt	
Substrates		most lacquered, laminated and glossy materials (packaging), plastics, metals, foils						plain paper, many treated and coated papers and cartons					
Possible Printing Directions		vertical		vertical		vertical		vertical		vertical		vertical	
Ink Types		UV (UVA, UVC)		UV (UVA, UVC)		UV (UVA, UVC)		water-based (pigmented, dye)		water-based (pigmented, dye)		water-based (pigmented, dye)	
Jetting Technology		Piezo DoD		Piezo DoD		Piezo DoD		Piezo DoD		Piezo DoD		Piezo DoD	
Dimensions (h x w x d) [mm]		297 x 230 x 90		297 x 230 x 90		297 x 337 x 90		297 x 230 x 90		297 x 230 x 90		297 x 337 x 90	
Dimensions (h x w x d) [inches]		11.7 x 9 x 3.5		11.7 x 9 x 3.5		11.7 x 13.3 x 3.5		11.7 x 9 x 3.5		11.7 x 9 x 3.5		11.7 x 13.3 x 3.5	
Communication Bus		USB, Ethernet											
Standard Delivery		printer, adjustable integration bracket, ink supply system, job editor software, production software, installation kit											
Options		UV lamp dryer UV LED dryer Adobe PDF						IR dryer  Adobe PDF					

## Atlantic Zeiser’s excellent service and support

- Efficient preventive and corrective maintenance
- Fast emergency and extended service support
- Installation and start-up support
- Remote service support and hotline
- Customized and individual after-sales service concepts
- Tailor-made service contracts
- Professional training and workshops
- Worldwide service network with local service teams incl. part and supply service
- Consulting

Atlantic Zeiser’s systems allow the individualization and tracking of each unique product using printing/coding and camera-based product verification. These solutions ensure data integrity and security across the entire production process and throughout the entire supply chain to point of sale – ultimately reducing risk for the consumer.

Atlantic Zeiser has decades of experience and core competencies relevant to the pharmaceutical and cosmetics industries and draws on its strong expertise to accomplish system integration projects essential to the implementation of powerful track & trace solutions.

The customers benefit from a proven turnkey solution for in-house printing of required pharma codes as well as safety and anti-fraud codes for cosmetics packaging, including special security inks and fast, reliable customization as required.

Atlantic Zeiser offers the most extensive range of end-to-end high-resolution UV inkjet printing solutions in the industry, including modules and accessories.

## SENSECURE – the formulated curing technology for your requirements

The compact modules cure UV-A and UV-C inks in a highly efficient and environment-friendly manner thanks to the increased productivity, low heat radiation onto the substrate and practically no generation of hazardous ozone. We call this eco-friendly curing technology.

SENSECURE ideally match with Atlantic Zeiser inks and DELTA UV printers.

Technical Specifications	SENSECURE 150 UV-A	SENSECURE 150 UV-C	SENSECURE 250 UV-A	SENSECURE 250 UV-C
Illuminated Area (w)	150 mm / 5.9 inches	150 mm / 5.9 inches	250 mm / 9.8 inches	250 mm / 9.8 inches
Curing Power max.	240 W/cm	240 W/cm	240 W/cm	240 W/cm
Module Dimensions (h x w x d)	260 x 253 x 160 mm / 10.2 x 10 x 6.3 inches		243 x 353 x 160 mm / 9.6 x 13.9 x 6.3 inches	
Curing	UV-A lamp source (ozone-free)	UV-C lamp source (ozone-free)	UV-A lamp source (ozone-free)	UV-C lamp source (ozone-free)
Ideally Suited for Use with	DELTA 105 UV	DELTA 105 UV	DELTA 210 UV	DELTA 210 UV
Available Inks	Atlantic Zeiser UV-A inks	Atlantic Zeiser UV-C inks	Atlantic Zeiser UV-A inks	Atlantic Zeiser UV-C inks
Standard Delivery	curing module; curing controller			
Options	UV shield			

## Atlantic Zeiser's high-resolution, substrate flexible printing systems for your production needs

- OMEGA printing systems (UV inks): high printing quality with spot color; extremely versatile, robust and cost-efficient
- DELTA printing systems (UV or water-based inks): high printing quality and productivity with spot color; ink saving
- GAMMA printing systems (UV inks): high printing quality with full/process color CMYK

## Atlantic Zeiser leverages its combined competencies to meet your requirements

- Management software solutions
- Inkjet printing systems
- Individualization systems
- Ink

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