

# DELTA™ Print Engines

## Industrial Inkjet Integration Modules



- Offset-class Printing Speeds and Quality
- Substrate Flexible
- Environment-friendly
- Water-based and UV Inks
- Easy to Integrate
- Trouble-free
- Cost-efficient



DELTA™ 105 UV

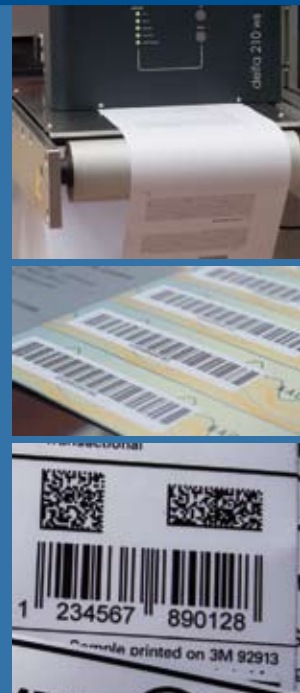
DELTA™ 105i UV

DELTA™ 105 WB

DELTA™ 105i WB

DELTA™ 210 UV

DELTA™ 210 WB



### DELTA™ – Benchmark Productivity and Substrate Flexibility

Atlantic Zeiser offers the most extensive range of high-resolution UV inkjet printing modules and accessories in the industry. These modules meet the cost-efficiency and technical criteria for modern package, label and direct product printing applications, enabling producers to master challenges where others fail, and increase their cost efficiency, brand value and product quality. Following the concept of Industrial Digital Printing 2.0 (IDP 2.0), integration of print engines is the key to optimize profitability with marking, serialization, customization, decoration and personalization at different stages of the production process. Whether you like to integrate Atlantic Zeiser print engines directly into your own equipment or require end-to-end solutions – the DELTA™ family of print engines make the task easy with almost no restriction of application areas in the industrial environment.

#### Typical Applications

- Direct mail, commercial, transactional, security printing (WB)
- Package, label, direct product printing (UV)
- Frequently changing text, graphics, numbers, bar codes, 2D codes
- Marking, serialization, customization, decoration, personalization
- Ingredient information, Track & Trace codes, production data, custom designs, serial codes, patient data, expiration dates, different languages and fonts, addresses, billing information
- Printing on blank or pre-printed products

#### DELTA™ at a Glance

- Single-pass spot color print engines (UV, WB)
- Software adjustable drop size ► ink saving and quality enhancing
- Top resolutions up to 600 x 600 dpi
- Top speeds up to 300 m/min (1000 fpm)
- Base print widths from 105 to 210 mm
- Expanded print width through easy cascading of several print engines
- Standard communication interfaces
- Adobe PDF/VT – available Q2/2011

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### Your Competitive Edge

- Production savings ► low operating costs, increased productivity, just-in-time production
- Investment savings ► easy to integrate/use of existing production equipment and conveyer bases
- Inventory savings ► less variants of pre-printed stock, late stage customization
- Added value ► new business opportunities using digital printing

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 inches		105 mm 4 inches		210 mm 8 inches		105 mm 4 inches		105 mm 4 inches		210 mm 8 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 – 14 pl (variable)		6 – 14 pl (variable)		6 – 14 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 336 x 90		297 x 230 x 90		297 x 230 x 90		297 x 336 x 90	
Dimensions (h x w x d) [inches]		12 x 9 x 3.5		12 x 9 x 3.5		12 x 13 x 3.5		12 x 9 x 3.5		12 x 9 x 3.5		12 x 13 x 3.5	
Communication Bus		USB, Ethernet											
Standard Delivery		print engine, adjustable integration bracket, ink supply system, job editor software, production software, installation kit											
Options		UV lamp dryer UV LED dryer Adobe PDF/VT extensions – available Q2/2011						IR dryer  Adobe PDF/VT extensions – available Q2/2011					

### Atlantic Zeiser’s High-Resolution, Substrate Flexible Print Engine Families for Your Production Needs (selection)

- » OMEGA™ print engines (UV inks): offset-class print quality with spot color; extremely versatile, robust and cost efficient
- » DELTA™ print engines (UV or aqueous inks): offset-class print quality and productivity with spot color; ink saving
- » GAMMA™ print engines (UV inks): offset-class print quality with full color CMYK (& White)

### Off-the-shelf End-to-end System Solutions from Atlantic Zeiser (selection)

- » DIGILINE™ Web – digital printing and coding web-to-web for label, booklet label and flexible package printing
- » DIGILINE™ Sheet – digital printing and coding sheet-fed for carton sheet, mail, transpromo and security printing
- » DIGILINE™ Single Product – digital printing and coding for different product form factors in package and direct product printing