

# Substrate Flexible Inks

## Industrial Inkjet Integration Modules



- Top Adhesion
- Top Contrast
- Top Light-Fastness



### Atlantic Zeiser DoD Inks – Industry Benchmark in Substrate Flexibility

Specially developed and adapted inks are a decisive factor in the quality of the printed product. Especially when printing on different papers, cardboards, metals, plastic or glass, the printer requires printing inks that are exactly suited to the substrate texture. Without the corresponding inks, it is impossible to achieve consistent high quality. In order to be able to print economically, and without fail inks must be considered and accurately matched to the print engine. Atlantic Zeiser was the first company developing UV LED drying inks and is constantly innovating e.g. in water-based inks with absorption control. The company has the expertise for drying inks via infrared, conventional UV or UVA radiation as well as the required substrate pre-processing. This ensures permanent adhesion and is the safeguard of success for industrial digital printing.

#### 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

#### Atlantic Zeiser Inks at a Glance

- Proprietary ink technology
- Benchmark in contrast, adhesion and light-fastness
- Broad range of inks
- Specifically engineered for substrate flexibility
- First UV LED curable inks
- First water-based inks with absorption control
- Security inks

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| OMEGA – Ink Types     | Curing    | CYAN | MAGENTA | YELLOW | BROWN | RED | BLACK | WHITE |
|-----------------------|-----------|------|---------|--------|-------|-----|-------|-------|
| GLYCOL Premium        | PHYSICAL  |      |         |        |       |     |       |       |
| UV-C Standard         | SENSECURE |      |         |        |       |     |       |       |
| UV-A Standard         | SMARTCURE |      |         |        |       |     |       |       |
| UV-A Mixture of CMYK  | SMARTCURE |      |         |        |       |     |       |       |
| UV-C ATON (OMEGA 70P) | SENSECURE |      |         |        |       |     |       |       |

Custom color on request

| GAMMA – Ink Types | Curing    | CYAN | MAGENTA | YELLOW | BLACK | WHITE |
|-------------------|-----------|------|---------|--------|-------|-------|
| UV-A Standard     | SMARTCURE |      |         |        |       |       |

| DELTA – Ink Types | Curing/Drying | CYAN | MAGENTA | YELLOW | BLACK | WHITE |
|-------------------|---------------|------|---------|--------|-------|-------|
| Water-based       | PHYSICAL      |      |         |        |       |       |
| UV                | SMARTCURE     |      |         |        |       |       |

### Your Competitive Edge

- Production savings ► low operating costs, increased productivity, just-in-time production
- Highly cost-effective ► price-performance ratio
- Excellent print quality ► top light-fastness and contrast
- Wide range of substrates ► water-based and UV Inks
- Easy integration ► Atlantic Zeiser inks formulated for current LED curing modules
- Investment savings ► stock reduction through late stage customization
- Added value ► new business opportunities using substrate flexible inks
- Trouble-free operation

### 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