

**NEW**

# Coding Unit – Multi Functional Track & Trace Industrial Inkjet Integration Modules



- High Speed Verification
- High Security
- Easy Integration
- Cost-efficiency
- Substrate Flexibility



## Counterfeiting and Gray Market – Strike back with Track & Trace and Verification

Pharmaceutical and cosmetics manufacturers have a powerful weapon against counterfeiters and pirate products thanks to Atlantic Zeiser's new multi functional Track & Trace module, which can be integrated easily into a new or existing packaging production line. With the Track & Trace Module, users can bring up all standard product tracking codes on the packaging. The codes are GS1, all types of numeric codes, and 1-D and 2-D bar codes, which are used to check the legitimacy of the packaging and product online.

Track & Trace also includes an optical checking system. In just one fast step cameras automatically read and verify the selected layout and check the digits. The solution affords users maximum flexibility when it comes to late-stage customization. The Track & Trace Module provides manufacturers with seamless product tracking, allowing them to fight back against the counterfeiters and protect their revenue and hard-earned brand reputations.

### Track & Trace Protects Your

- Premium Brand Reputation
- R&D Investments
- Profits
- Revenues
- Profitability

### Various Industries

- Pharmacy
- Cosmetics
- Luxury Goods
- Electronics
- FMCG

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## Printing, Control and Verification for Packaging



### OMEGA Inkjet Printer

Printing on different types of materials like paper, cardboard, film PE, PVC, metal, aluminum and wood with outstanding quality and excellent resolution and definition.

Print Speed: 30 m/min with OMEGA 20 or 36  
 60 m/min with OMEGA 36i  
 25 m/min with OMEGA 36HD

Production: Up to 450 products/min

Resolution: 360 dpi up to 720 dpi



### SMARTCURE UV LED Curing Technology

UV LED curing systems from Atlantic Zeiser guarantee better adhesion of ink on various product materials. In-house developed UV inks are optimized for the UV LED curing process for outstanding results in contrast, light-fastness and adhesion without using additional head cleaning systems. With AZ's inks you have no self-drying issues.



### Verification System

Camera based verification analyses codes and characters including 2-D GS1 bar codes. The comparison to reference data based on the 100% reading of print results and follows learning functions.

#### CamReader

- Smart camera reading with print layout control (self-learning)
- ISO 15415 quality control for Datamatrix ECC200 (max. size 26 x 26 mm)
- High resolution camera to control up to 5 products per second in production mode

#### Reject Gate

With the integrated reject gate which runs by compressed air zero-error rate is guaranteed.

It ejects products like boxes, cases, bottles, etc when there is non-conformity marking with reject tray.



### Controller Supervisor and OMEGA Layout Software

You have various options to change and adjust print layouts with some mouse clicks.

- Touchscreen interface
- Centralized access & data management and data backup
- Built-in interface for bar code reader, camera and printer
- Quick setup for printing layout
- Alerts and events management
- USB, RS232C, Ethernet interface and MO scans capabilities



### Box Printing

The print quality allows a reading in A or B grade on most substrates and the use of the GS1 standard allows to perform specific applications without supplements.

Compliance with the CIP Standard – Code Datamatrix 2-D

- (01) Product code GTIN 14-(0)+PIC13
- (17) Date of expiration
- (10) Batch number
- (21) Serialization (option for different countries)

### Dimensions (h x w x d)

Module Size: 1650 x 1000 x 600 mm

Maximum Box Size: 40 x 180 x 80 mm