DIGILINE Vario
Full Color Digital Printing for Flexible Narrow Web Materials

Atlantic **ZEISER**
a **coesia** company

GREATER FLEXIBILITY AND AGILITY WITH INLINE PRINTING

The DIGILINE Vario is a just-in-time inline full color digital printing and inspection system for direct printing of continuous flexible web packaging materials:

- Flexible laminates for pouching applications
- Foils for lidding applications

Including an end-to-end digitalized printing and inspection workflow, the DIGILINE Vario is designed to deliver flexibility and agility in your packaging operations. It reduces your time to market, waste and change over times.

It is particularly suited for flexible materials due to its tension managed transport making it versatile for a wide range of substrate properties. The curing technology takes care of the substrate during the curing process ensuring maximum safety and readiness for the downstream packaging process. Finally the DIGILINE Vario's integrated full artwork inspection vision system with common PDF workflow ensures maximum digital printing safety, with minimum set up time.

By removing your dependence upon preprinted packaging inventory, the DIGILINE Vario removes complexity, reduces lead times, cost and waste, and transforms your capability to deliver small volumes, short time scale orders: ON TIME – IN FULL.

SCAN FOR VIDEO

DIGILINE Vario Offline Version

Tension managed material handling, infeed and outfeed dancer, printer using ProFlo inkjet technology.
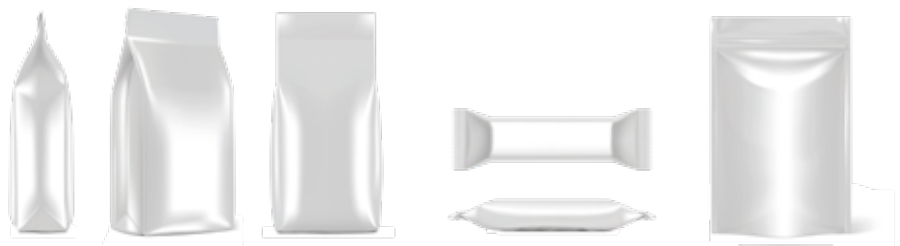
Highly versatile transport system supporting a wide range of material properties ensuring a vivid graphical impression every time.

The printing technology is designed for high availability and low touch maintenance.

KEY ADVANTAGES

- **OptiMate** – our award-winning HMI, for pure simplistic operation

- **ProFlo** inkjet technology – vivid full color printing with the ability to print all components of your artwork

- **VISION Secure** – fully integrated product inspection system, reducing validation effort and execution time for your packaging project (optional)

- **HPPS** – PDF-based workflow for printing and inspection, reducing artwork mix-ups and the hidden costs of the graphics chain setup

- Designed to give peace of mind – complete printing and curing process control on a wide range of substrates
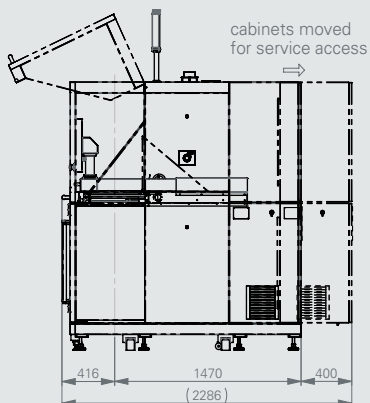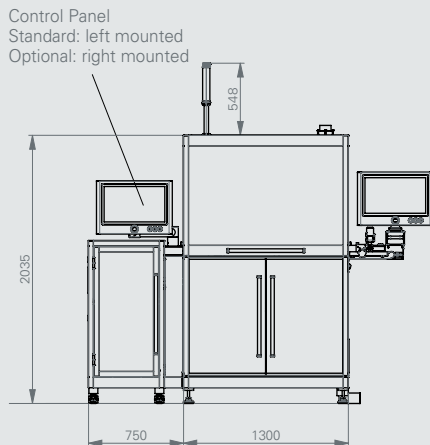

APPLICATIONS & SUBSTRATES

- Pouches/stand-up pouches

- Flow wrap

- Aluminum lidding/foiling materials

- Flexible laminate

- Flexible plastic

- Lidding materials

- Recommended materials with barrier layer

KEY OPTIONS

- Available in **Inline**, **Nearline** and **Offline** versions
- Mechanical integration and digital interface to packaging machine (Inline, Nearline version)
- Various pre-treatments
- Pre-print control unit
- Serialization and registered printing
- Integrated VISION Secure system for full artwork check, color matching and data/code verification
- Full integration into your MES/ERP system with industry standard Pack ML and OPC/UA interfaces
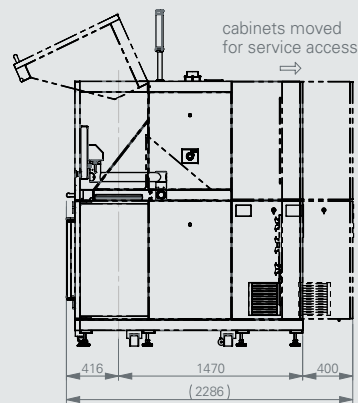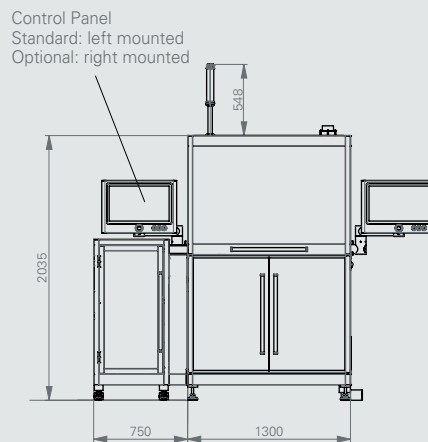- Validation documentation
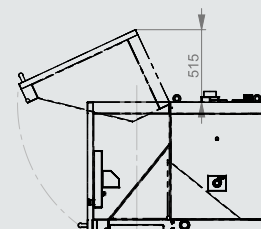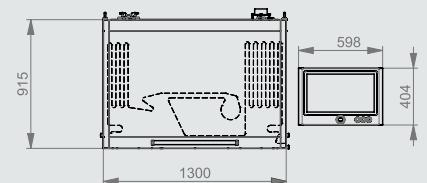
OFFLINE
with unwinder and rewinder
for nearline applications

NEARLINE
with unwinder for integration
inline with packaging machine

INLINE
for direct integration into
the packaging machine

Control Panel
Standard: left mounted
Optional: right mounted

Control Panel
Standard: left mounted
Optional: right mounted

DIGILINE Vario

ESSENTIAL FOR YOUR DIGITAL PACKAGING TRANSFORMATION

DIGILINE Vario is designed for inline just-in-time printing to transform packaging flexibility and agility. Digital printing is a means of making supply chains much more flexible, efficient, and sustainable. SKUs can be considerably reduced, along with the related storage and retrieval processes. DIGILINE Vario combines state-of-the-art features to achieve greater flexibility, enhanced performance, with an operator-friendly and low-maintenance system design.

- Fast and agile in designing and producing packaging, for instance for marketing campaigns that are customized for individual target groups or completely serialized products

- Increased brand value through late-stage customization and serialization

- Reduced amount of material in stock simplifying the supply chain

- Less inventory of finished products

- High cost efficiency even for short runs

- Reproduction with pin-sharp details and the smallest font sizes

- Reduced artwork mix-ups and hidden costs of the graphics chain setup

- Full artwork check, color matching and data/code verification

- Simple production automation within ERP/MES/SCADA systems by using standard OPC UA protocols

Technical Specifications	DIGILINE Vario
Web Width	40 to 370 mm | 1.6 to 14.6 inches
Roll Diameter	Nearline version: 600 mm standard / 420 mm on request Offline version: 420 mm standard / 600 mm on request
Print Widths	215 / 268 / 322 / 360 mm | 8.5 / 10.6 / 12.7 / 14.2 inches (dependent on configuration)
Web Speed	Up to 60 m/min | 197 fpm
Printing Technology	ProFlo CMYK piezo UVA drop-on-demand inkjet
Print Resolution	600 dpi with three levels of gray scale
Print Modes	Gapless, registered, intermittent registered, random, serialization
Product Thickness	Continuous web materials with thickness of up to 0.3 mm | 11.8 mil and bending stiffness L&W 5° (mNm) MD/CD: 20/10
Operating Noise	< 72 dB (A)
Power Supply	380-480 VAC / 50 or 60 Hz / 3 phases + N + PE
Compressed Air Consumption	30 l/min at 6 bar input pressure | 500 l/min at 6 bar during cleaning process
Standard (dependent on configuration)	Tension managed material handling, infeed/outfeed dancer, full color printer (up to 5 color bars), EpiCure curing unit, HMI OptiMate, HPPS – PDF-based workflow, splice table
Optional (dependent on configuration)	Pre-print control, EpiCure+ curing unit, various pre-treatments, software backup and recovery kit, VISION Secure camera system, splice table with additional panel, antistatic unit, 4-color stack light, docking stations