GEMINI 330

The latest-generation UV label press
for short- and medium- run jobs

4 or 6 Colors	600 DPI	White & Varnish	75 m/ min.	UV Pinning	Small to 3 pt

THE CHANCE TO MEET YOUR DIGITAL FUTURE

Gemini 330 is a full color UV label press for labels and packaging industries. The latest generation Gemini 330 UV label press is integrated with the most advanced Amica's UV inkjet printing technology and designed with the highest grade components available in the market today. Thanks to its 6 color channels in addition to the proven technologies of color management and VDS (Variable Droplet Size) control, Gemini 330 enables you to easily obtain vibrant print quality labels for short- and medium-run jobs.

Gemini 330 works with the MagicPage VDP software and supports printing variable data, including barcodes, serial numbers, dates, time, texts, logos, and images.

Owing to the completely modular design, Gemini 330 offers the flexibility of adding options, such as corona treatment, web cleaning, priming, cold foil, lamination, laser die-cutting, and slitting, to meet your demands and needs in the future. Gemini 330 will be the best choice for those who are looking for industrial digital label and packaging printing solutions.

UV-LED Pinning Curing

"freezes" ink droplets to control dot gain before overlaying follow-up colors or doing a full curing.

Arc Tension Control

delivers accurate required tension control and better droplet placement.

Corona Treatment System (optional)

effectively pretreats the surface of substrates to increase the adhesion of inks.

Balanced Rotating Dancer System

ensures stable tension control even for materials down to and below 50 µm and keeps itself under control in case of web break.
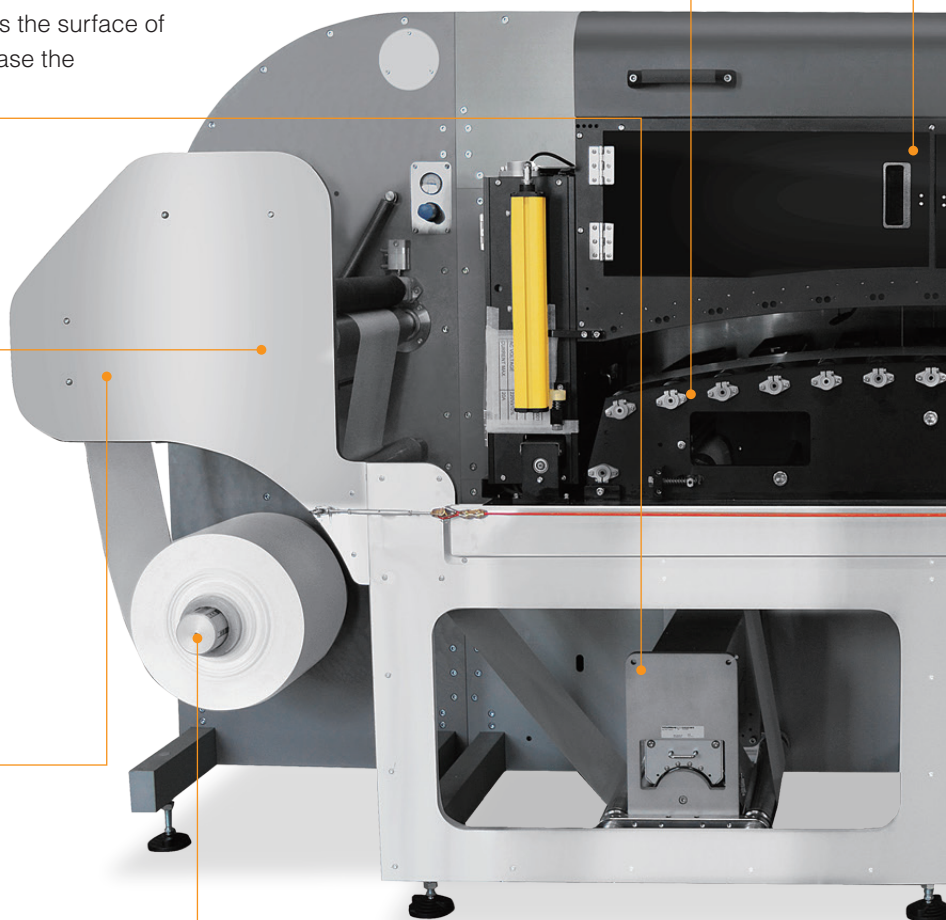
Splice Table

with easy access for fast roll change and comfortable working position.

Servo-driven Unwinder

equipped with built-in web guide and air shafts. Rolls up to Ø650 mm.
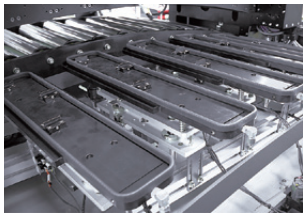
Outstanding Print Quality

Industrial high-resolution and high-speed DOD piezoelectric print heads combine excellent print quality and high efficiency with exquisite and consistent color quality, plus sharp, clear, easy-to-read barcodes, graphics, and texts. Gemini 330 prints texts small to 3 pt and barcodes with crisp edge definition.

Inline Digital Varnish

Varnish ink provides a variety of surface finishes. Gemini 330 enables you to print with CMYK plus Varnish inks simultaneously. The overall label can be covered with a gloss or matte finish; or glossy or matte spot varnish can be added to some specified appealing parts.

Versatile White Ink Printing

The white printing option including Under-Printing and Over-Printing offers the perfect solid and opaque white ink layers on transparent films for "no-label look" labels, as well as metallic substrates frequently used in the cosmetic and medical markets. High quality images without white stitch lines can be obtained thanks to the Choke feature in the ColorPRINT RIP software.
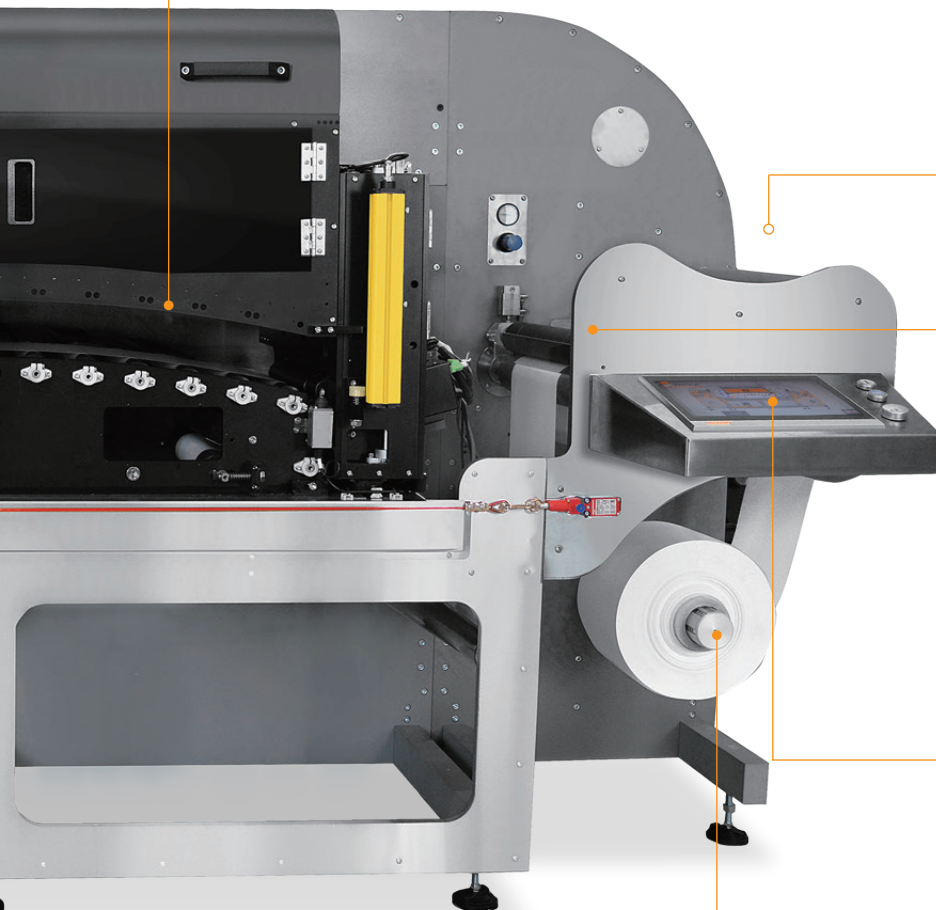
Print Head Cleaning Module

allows full automatic purging, wiping, and capping for convenient unattended operation.

Printing Control Cabinet

integrates Automatic Ink Supply System, Active Negative Pressure System, and other features. A 10L ink tank per color for high volume production.

Non-stick Coated Nip Rollers

for accurate and reliable web transport.

HMI Control Panel

provides user-friendly real time monitoring and support via internet. (Industry 4.0 Technology)

Servo-driven Rewinder

with taper tension, available web width from 50 mm to 350 mm.

Print Technology	Kyocera Piezo Inkjet Technology; up to 18 Print heads
Print Resolution	600 × 600 dpi; 600 × 300 dpi
Print Speed	600 × 600 dpi: Up to 50 m/ min. (164 ft/ min.) 600 × 300 dpi: Up to 75 m/ min. (246 ft/ min.)
Print Width	Up to 324 mm (12.76 ")
Ink	Ink Type: UV Curing Ink Ink Color: 4 or 6 colors; CMYK, White, Varnish, Spot Color Ink Tank Volume: 10L per color
Media	Handling: Tight web continuous roll feed Types: Coated and uncoated paper, self-adhesive label stock, aluminum foil, white and transparent films, PP, PE, PVC, PET, BOPP, etc. Thickness: 0.08 mm-0.32 mm
Unwinder/Rewinder	Roll-fed Width: 50 mm-350 mm (2 "-13.8 ") Roll Diameter: Max. 650 mm (25.6 ") Roll Weight: 200 kg Core Diameter: 76 mm (3.0 "), or can be adapted to 4 ", 5 ", 6 ", and 8 ".
Curing Equipment	UV-LED pinning and final curing lamps
Dimensions (W × D × H)	3300 mm × 1500 mm × 1600 mm (130 " × 59 " × 63 ")
Operating Environment	Temperature: 18-28 °C (64-82 °F) Relative Humidity: 40-60% (Recommended)
Power Requirement	400V; 3P+N+PE; 50/60Hz; 32A
Optional System	Corona Treatment System Web Cleaning System
Software and User Interface	Professional Printer Control Software (PCS Pro) MagicPage VDP Software ColorPRINT RIP Software
Connectivity	PCIe Card; Fast Ethernet (100 Mbit/ s)

For other print head models and more customized configurations, please contact us for your requirements.

APPLICATIONS

Labels & Packaging
- Industrial and security labels
- Electronics and automotive labels
- Pharmaceutical labels
- Special food and beverage
- Body and health care
- Household chemicals

Variable Data Printing
- Transpromos
- Security printing
- Business forms

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