

GEMINI 330

UV-LED Label Press
for short- & medium-run jobs

6
Ink Channels

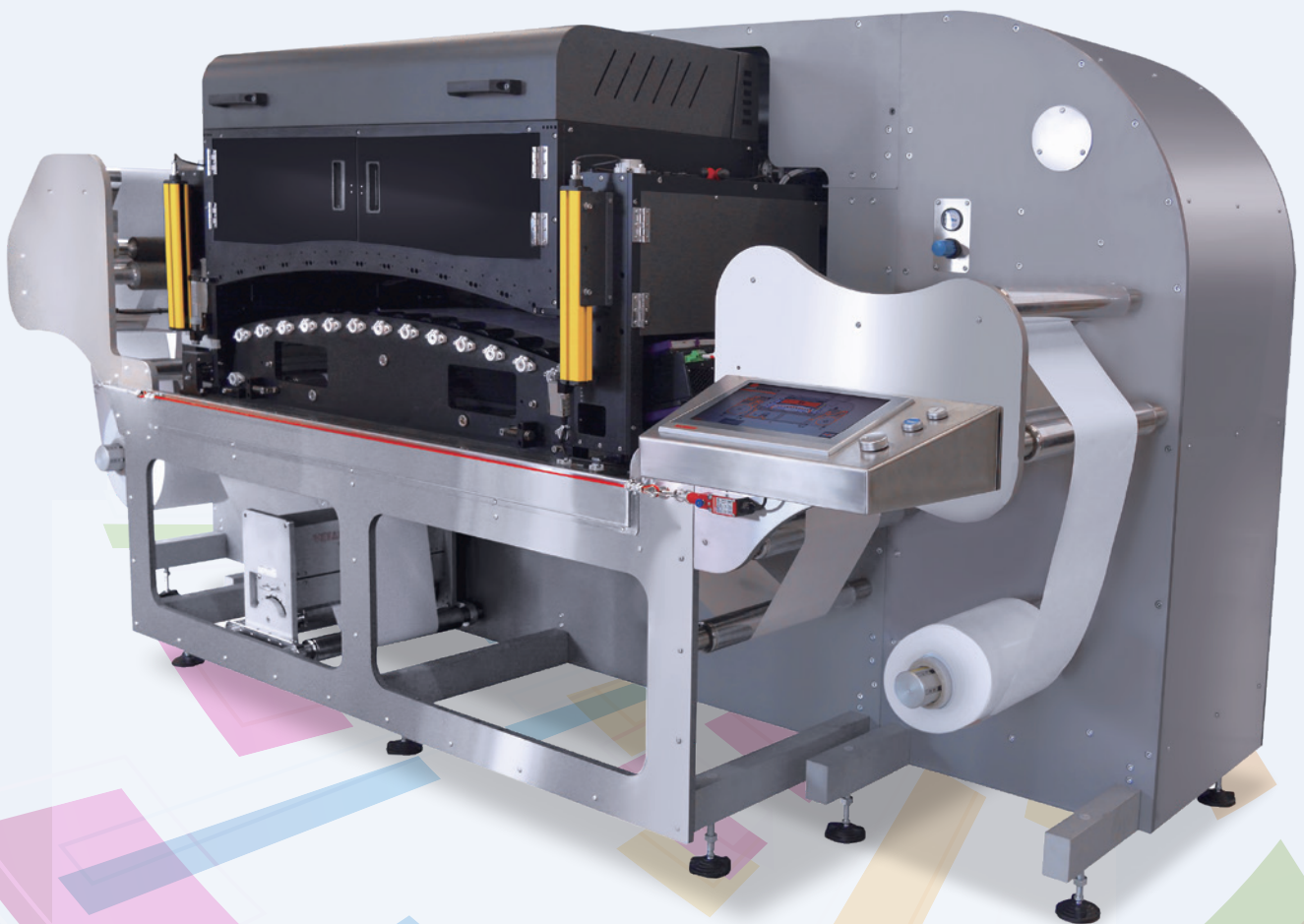
600dpi

**White
&
Varnish**

**Up to 30
m/min.**

**UV-LED
Pinning**

3pt
Small Texts



THE CHANCE TO MEET YOUR DIGITAL FUTURE

Gemini 330 is Amica's newly-developed full color UV label press for label and packaging industries.

Integrated with advanced UV inkjet printing technology, Gemini 330 is designed with superior grade components available in the market today. Thanks to its 6 ink 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- & medium-run jobs.

Gemini 330 works with 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 or slitting, to meet your demands in the future. Gemini 330 will be an ideal choice for those who are looking for industrial digital label and packaging printing solutions.

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 3pt and barcodes with crisp edges.

Inline Digital Varnish

Gemini 330 enables you to print CMYK with varnish ink to provide a variety of surface finishes. 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 ink printing option including under-printing and over-printing offers solid and opaque white ink layers on transparent films for "no-label look" labels, as well as metallic substrates frequently used in the cosmetic or medical markets. High quality images without white stitch lines can be obtained thanks to the Choke feature in the ColorPRINT RIP software.



Arc Tension Control

delivers accurate tension control and better droplet placement.

UV-LED Pinning Curing

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

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 below 50µm and keeps itself under control in case of web break.



Splice Table

with easy access achieves fast roll switch and comfortable working position.

Servo-driven Unwinder

is equipped with built-in web guide and air shafts. It supports roll diameter up to 650mm (25.6").



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. 10L ink tanks are designed for high volume production.

Non-stick Coated Nip Rollers

realizes accurate and reliable web feeding.

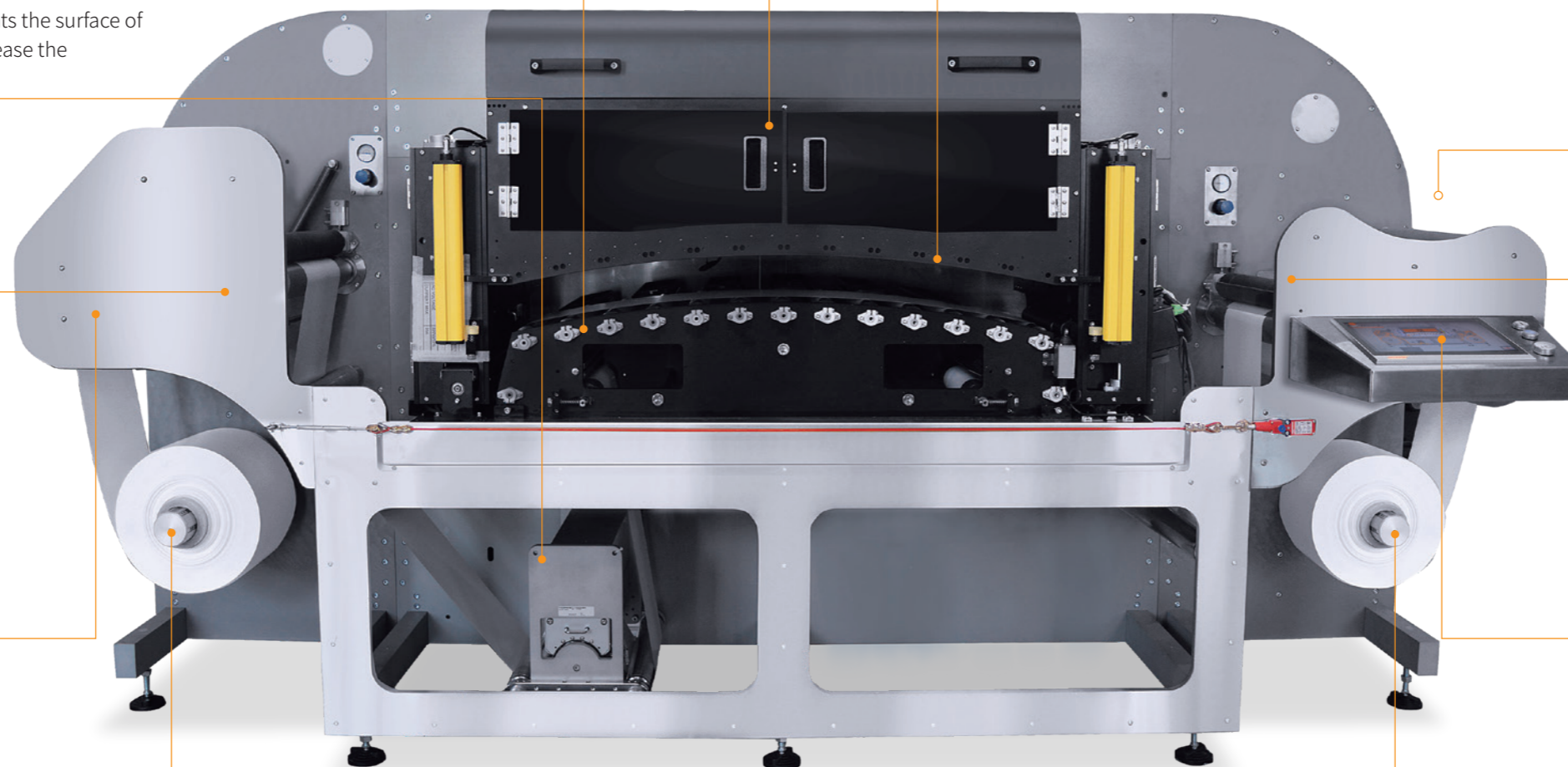


HMI Control Panel

provides user-friendly real-time monitoring and supporting via Internet. (Industry 4.0 Technology)

Servo-driven Rewinder

with taper tension, supports web width from 50mm (2") to 350mm (13.8").



TECHNICAL SPECIFICATIONS

| | |
|------------------------------------|--|
| Print Technology | DOD piezoelectric inkjet print technology; up to 18 Kyocera print heads |
| Print Productivity | Up to 30m/ min. (98ft/ min.) at 600 × 600dpi |
| Print Width | Up to 324mm (12.76") |
| Ink | Ink Type: UV curable ink Ink Colors: 6 ink channels; CMYK, White, Varnish, Spot Color Ink Tank Volume: 10L per color |
| Media | Handling: tight web continuous roll feed Types: coated or uncoated paper, self-adhesive label stock, aluminum foil, white or transparent films, PP, PE, PVC, PET, BOPP, etc. Thickness: 0.08-0.32mm (0.003-0.013") |
| Unwinder/ Rewinder | Roll-fed Width: 50-350mm (2"-13.8") Roll Diameter: max. 650mm (25.6") Roll Weight: up to 200kg (441lbs) Core Diameter: 76.2mm (3.0"), or can be adapted to 4", 5", 6" or 8". |
| Curing Equipment | UV-LED pinning and final curing lamps |
| Dimensions (W × D × H) | 3300mm × 1500mm × 1600mm (130" × 59" × 63") |
| Operating Environment | Temperature: 16-28°C (61-82°F) Relative Humidity: 40-60% (Recommended) Altitude: up to 1000m (3281ft) |
| Power Requirement | 400V; 3P+N+PE; 50/ 60Hz; 32A |
| Optional System | Corona Treatment System Web Cleaner |
| Software and User Interface | Professional Printer Control Software (PCS Pro) MagicPage VDP Software ColorPRINT RIP Software |
| Connectivity | PCIe Card; Fast Ethernet |

1. Gemini 330 involves multiple patented technologies.
2. For other print head models or 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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