COMPONENTS

Multi-function Integrated Module
- Dimensions: W 1500mm (59") ✕ D 1355.86mm (53.4") ✕ H 936.35mm (36.9")

Print Head Module
- Head power management and head temperature controller
- Intermediate ink tanks with ink level sensor
- Sub-tank with anti-overflow function
- 12 slots are reserved for alternative print head or pinning lamp installation when needed.

Arc Tension Control Module
- Roller width can be customized according to individual paper roll

Print Head Cleaning Module
- Automatic purging, wiping and capping for print head maintenance
- Automatic capping when the printer is idle for a long time to prevent ink from getting dried and clogging the nozzles

Printing Control Cabinet
- Dimensions: W 1200mm (47.2") ✕ D 650mm (25.6") ✕ H 1000mm (39.4")
- Automatic ink supply system; 10L main ink tank
- Ink negative pressure control system with digital display

Data Imaging Board
- Installed on PC and connects to the PC motherboard via PCIe interface
- Supports continuous data transmission of 1-16 heads in grayscale mode

Multi-function Integrated Module

Printing Control Cabinet   Data Imaging Board
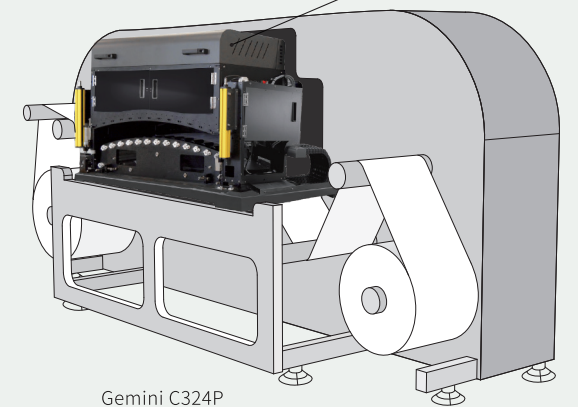
Gemini C324P

The New Generation UV-LED Inkjet Printing Engine

- ■ 4 or 6 Colors, White, Varnish, Spot Color
- ■ 324mm print width; up to 600dpi
- ■ Font size small to 3pt
- ■ Supports a variety of media types
- ■ Up to 30m/ min. (98ft/ min.)
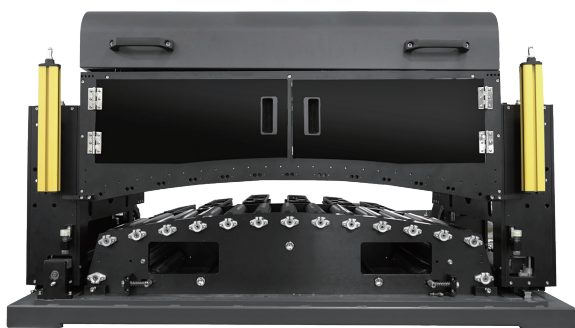- ■ UV-LED pinning and full curing

Gemini C324P

Gemini C324P integrated onto Transport

SPECIFICATIONS

Head Module		Print Type	Images, logos, texts, serial numbers, barcodes, dates, time, MICR Fonts, etc.
Print Head Model and Number	Kyocera Piezo Inkjet Technology; Up to 18 Print heads	Print Speed	Up to 30m/ min. (98ft/ min.) at 600 ✕ 600dpi
UV-LED Lamp	UV-LED pinning and final curing lamps	Substrate Type	Coated and uncoated paper, self-adhesive label stock, aluminum foil, white and transparent films, PP, PE, PVC, PET, BOPP, etc.
Ink Type	UV curing ink		
Ink Tank Volume	10L per color	Substrate Thickness	Up to 0.08mm ~ 0.32mm
Color	Up to 6 ink channels: (WWCMYK, CMYKVV, CMYKLcLm)	User Interface	Printer Control Software (PCS)
Drop Size	3pl, 6pl, 13pl	Software	ColorPRINT RIP Software; MagicPage VDP Software
Print Width	Up to 324mm	Connectivity	PCIe Card; Fast Ethernet (100Mbit/ s)

*1 Involving multiple patented technologies;
*2 Customized versions are available, including different print widths, number of colors, and print resolution, Please contact us for more information.

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(VDP)
- Transpromos
- Security printing
- Business forms

AMICA SYSTEMS Europe B.V.
Camerastraat 6,
1322 BC Almere,
The Netherlands

AMICA SYSTEMS

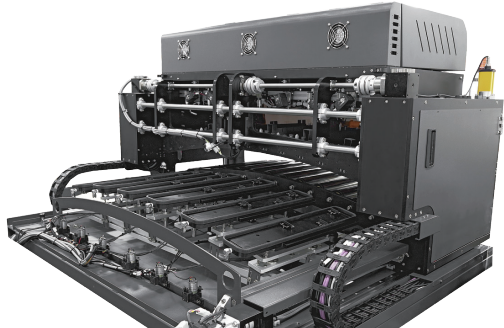INGLESE s.r.l.
www.inglesesrl.com
Agente per l'Italia

As a developer and manufacturer of industrial inkjet solutions established in 1988, Amica has been specializing in industrial image graphics and inkjet technologies for over 27 years. As early as 2008, Amica launched its first single-pass inkjet print engine for printing books and packaging boxes. Now Amica has been granted over 200 patents worldwide. The majority of Amica's products are compliant with CE or TUV standards carried out in Europe, or cTUVus standards in North America.

Gemini C324P is AMICA's new generation highly-integrated UV-LED inkjet printing engine for short- and medium- run digital printing. As a digital add-on module, Gemini C324P can be easily and seamlessly integrated onto existing roll-to-roll transports, especially for flexo label presses, to expand your business.

Thanks to its modular design and flexibility, Gemini C324P empowers you to maximize your profits according to current demands and needs. It enables you to choose 4-color printing first, and then upgrade it to 6-color printing. You can also choose 216mm print width, then widen to 324mm. Gemini C324P with the capabilities of high productivity and high efficiency is the ideal solution to achieve UV label and packaging printing.
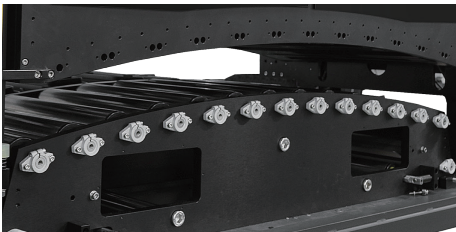

Front View

Right Back View

KEY BENEFITS

Arc tension control system

The arc tension control system of Gemini C324P delivers highly-accurate feeding for a variety of substrates, such as paper, films, and foils, especially for ultra-thin films. The arc tension control system also contributes to keeping the optimized distance between print heads and substrates for better droplet placement.

Arc Tension Control System

UV-LED pinning curing

Before overlaying follow-up colors or doing a full curing, UV-LED pinning curing process 'freezes' ink droplets to control drop gain. It results in superior quality images, crisp texts, and sharp lines on varieties of substrates, even including heat-sensitive materials.

Automatic Print Head Cleaning System

Full automatic print head cleaning system

Based on an all-in-one design concept, print head cleaning system allows full automatic purging, wiping, and capping for convenient unattended operation. Different arrays of print heads can be controlled separately for independent maintenance.

Height adjustment for print head module

The print head module can be automatically lifted up within a distance of 80mm for routine operation, such as daily checking, manual print head cleaning, and upgrading.

Height Adjustment for Print Head Module

SUPERIOR PRINT TECHNOLOGIES

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 C324P prints texts small to 3pt and barcodes with crisp edge definition.
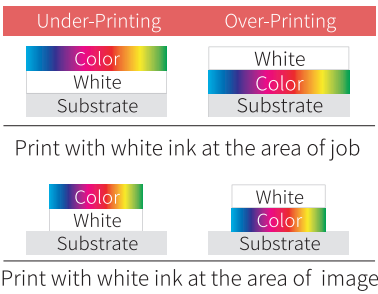

Label with Gloss Finish

Inline Digital Varnish

Varnish ink provides a variety of surface finishes. Gemini C324P 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.
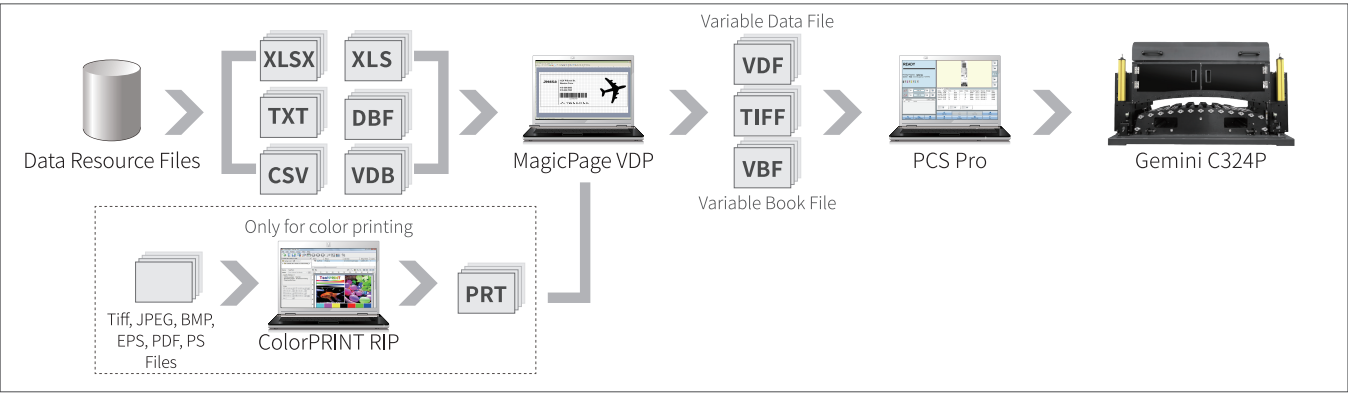

Label with Matte Finish

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.

Under-Printing	Over-Printing
Color	White
White	Color
Substrate	Substrate

Print with white ink at the area of job

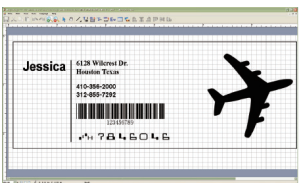| Color	White
White	Color
Substrate	Substrate

Print with white ink at the area of image

EFFICIENT WORKFLOW

The efficient and streamlined workflow enables you to achieve high-speed, accurate, and vivid color variable data printing. The workflow integrates multiple advanced technologies, from color management, RIP, content collaboration, to output production.
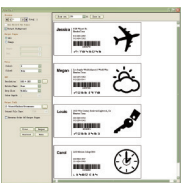

Variable Data Printing (VDP)

Gemini C324P works with the MagicPage VDP software and supports printing variable data, including barcodes, serial numbers, dates, time, texts, logos, and images.

MagicPage VDP Software

MagicPage RIP Window

EAN 13   QR Code   PDF417
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Code 39