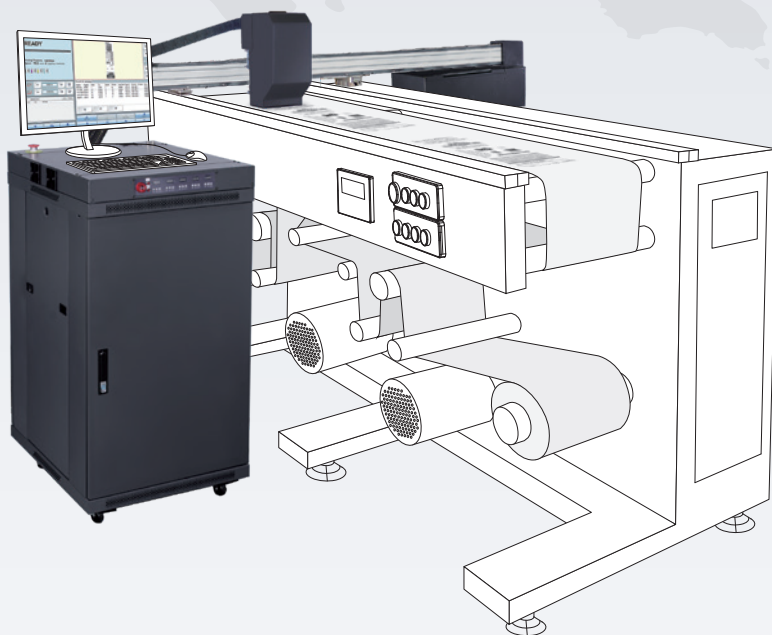


Venus 108-PWC

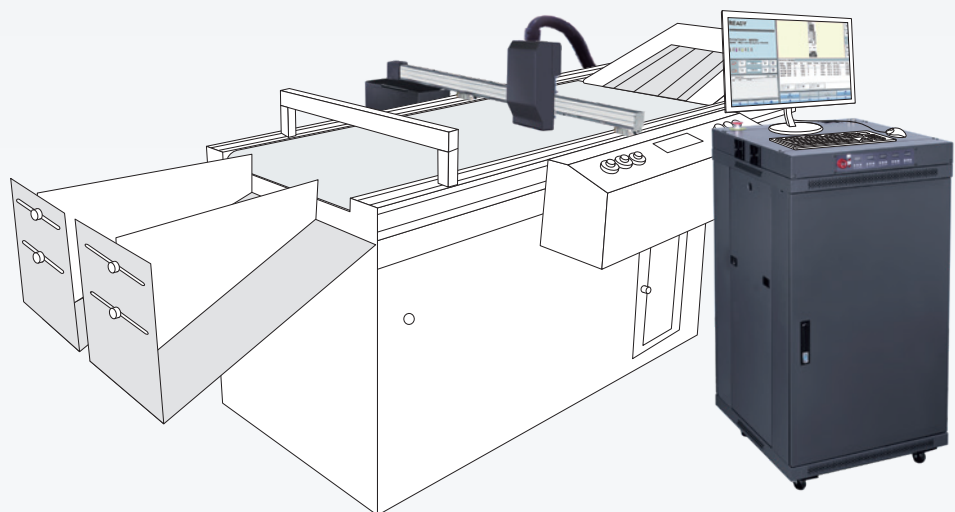
Inkjet Print Engine for Variable Data Printing (VDP)

- *Reliable*
- *Flexible*
- *Automatic Cleaning*



Venus 108-PWC
for Roll-to-roll & Sheet-fed Transport

- *Monochrome*
- *600 DPI Print Resolution*
- *Up to 150m/ min*
- *UV or water-based ink*
- *Automatic Print Head Maintenance*
- *Based on DOD inkjet print heads*
- *Involving multiple patented technologies*



Venus 108-PWC
(not including transport, monitor, keyboard and mouse)

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.

Equipped with industrial high-resolution and high-speed DOD piezo electric print heads, Venus 108-PWC meets the increasing and rigorous demands for the applications of mailings, barcodes, bills, checks, packages, and marking.

Venus 108-PWC is suitable for web printing, sheet-fed, and both online and offline targeted marking printing. As an integrated digital inkjet print engine, it can be easily integrated into existing transport systems thanks to its modular design to create more value-added opportunities.

Components	Hardware	<ul style="list-style-type: none"> • Data Imaging Board • Printing Control Cabinet • Print Head Module • Automatic Print Head Maintenance (PWC Module) • Mounting Cross Frame
	Software	<ul style="list-style-type: none"> • MagicPage VDP Software • Professional Printer Control Software (PCS Pro)

FEATURES

● Versatile Ink Applications

Venus 108-PWC offers two kinds of ink systems to satisfy different application requirements. Depending on media and substrates, UV ink system or Water-based ink system can be configured. UV curing inks have advantages of extensive material applicability and durability. They can be printed on a wide range of coated or uncoated substrates, including plastic cards, paper, and metals. The earth-friendly water-based inks can be printed on coated paper.

● Easy for Mounting and Alignment

The actual physical resolution of the Print Head Module is up to 600dpi. The patented, multi-angle adjustment mounting bracket enables the operator to adjust the angle of the X, Y, and Z-axis directions for each Print Head Module. Users can adjust the relative position of print heads easily and precisely.

● Various & Movable Printing Positions

The target printing position of variable data usually changes with different printing jobs. Venus enables you to precisely adjust the printing position of the variable data to meet the demands of each job.

● Intellectual Print Head Maintenance Technology

Based on an all-in-one design integrating the Print Head Module and the Print Head Maintenance Module, the compact Venus 108-PWC allows automatic purging, wiping and capping for convenient unattended operation. The latest all-in-one design not only simplifies the wiping process but realizes loading & unloading modularization and control automation at the same time.

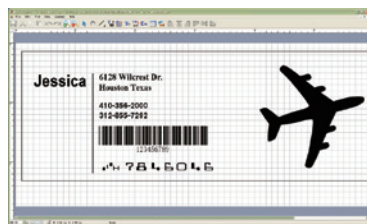
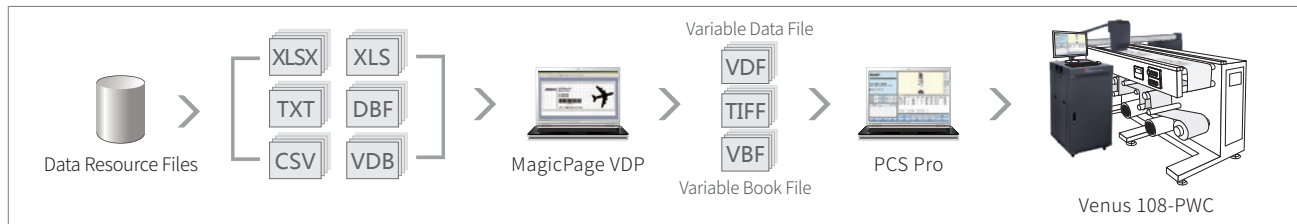
● Venus 108-PWC supported fonts and barcodes:

- Graphics, numeric codes, time, and serial numbers
- True Type and Open Type
- 1-D Barcodes: EAN 13, EAN 8, Code 39, Code 128, Codabar 2 Widths, GS1 DataBar (RSS-14), Interleaved 2 of 5, UPC-A, and USPS PostNet
- 2-D Barcodes: PDF417, QR-Code, and Data Matrix

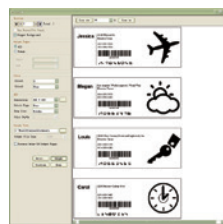


EFFICIENT WORKFLOW

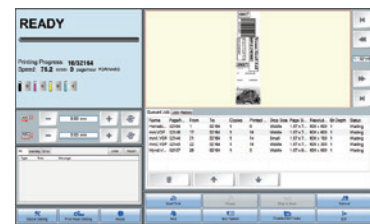
VDP workflow integrates multiple advanced technologies, from color management, RIP, content collaboration, to output production. The efficient and streamlined workflow enables users to achieve high-speed, accurate, and vivid color variable data printing.



MagicPage Main Window



MagicPage RIP Window



PCS Pro Main Window

TECHNICAL SPECIFICATIONS

Data Imaging Board

- The Data Imaging Board is installed on PC. It connects to the PC motherboard via PCIe interface.
- It supports sustained 240M Bytes/ Second from 1 to 8 heads in grayscale mode.



Data Imaging Board

Printing Control Cabinet

Dimensions (W×D×H) :

600mm (23.6") × 600mm (23.6") × 1100mm (43.3")

- Proven ink system, air system and control electronics
- Field upgradable firmware and system software
- Supports up to 4 Print Head Modules
- Automatic alarm signaling ink shortage



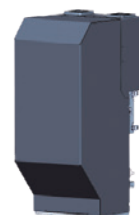
Printing Control Cabinet

Print Head Module

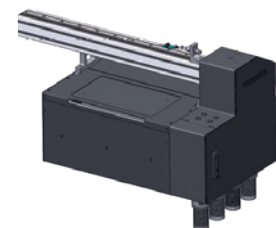
Dimensions (W×D×H) :

255mm (10") × 408.5mm (16") × 575.5mm (22.7")

- Head power management and head temperature controller
- 600 dpi print resolution
- Intermediate ink tanks with ink level sensors



Head Module
(Venus 108-PWC)



PWC Module
(Venus 108-PWC)

PWC Module

Dimensions (W×D×H) :

634.5mm (25") × 355mm (14") × 171mm(6.7")

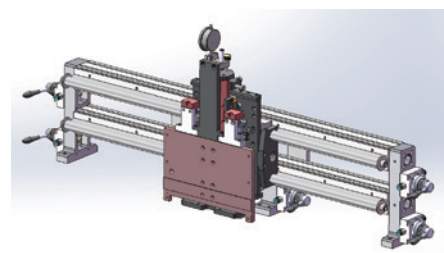
- Automatic purging, wiping and capping for print head maintenance.
- Automatic capping after the printer is idle for long time to prevent ink from getting dried and clogging the nozzles.

Mounting Cross Frame

Dimensions (W×D×H) :

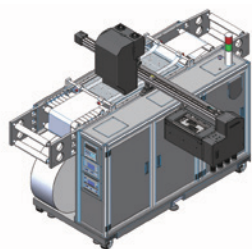
1143mm (45") × 230.5mm (9") × 417mm (16.4")

- Frame length can be customized to user' s needs

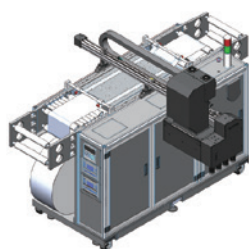


Mounting Cross Frame Demo

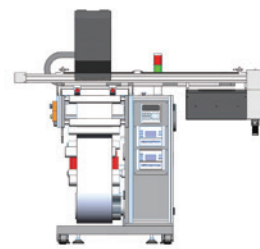
STATUS



Printing Position




Automatic PWC Position



Manual Maintenance Position

BASIC SPECIFICATIONS

		Venus 108-PWC
Head Modules*		
Print Head Model		DOD piezo electric inkjet print head
Number of Print Heads and UV Lamps		2 Heads
Printing Width		108mm(4.25")
Inks		UV curing ink, Water-based ink
Number of Colors		Monochrome
Print Resolution		600 dpi
Dropsize		7 pl, Variable dot size
Print Type		Images, texts, serial numbers, barcodes, dates, time, etc.
Print Productivity <i>Unit: m/min. (ft/min.)</i>	600 × 300dpi	150 (492)
	600 × 450dpi	120 (394)
	600 × 600dpi	75 (246)

* Head Modules equipped with other print heads are also available. Welcome to contact us for more information.

APPLICATIONS



Labels



Packaging



Cards



Tickets



Business Forms

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