Venus

The best reliable, affordable, and flexible inkjet printing solution for VDP (Variable Data Printing)

- Monochrome or Full Color
- 600 DPI Print Resolution
- Up to 150m/ min.
- UV or water-based ink
- Based on DOD piezo electric inkjet print head

Venus 54 VDP Inkjet Printing System
(not including transport, monitor, keyboard and mouse)

CE

Equipped with industrial high-resolution and high-speed DOD piezo electric print heads, Venus meets the increasing and rigorous demands for the applications of mailings, barcodes, bills, checks, packages, and marking. Venus is suitable for web printing, sheet-fed, and both online and offline targeted marking printing. As a fully integrated digital inkjet printing system, it can be easily integrated into existing transport systems thanks to its modular design to create more value-added opportunities.
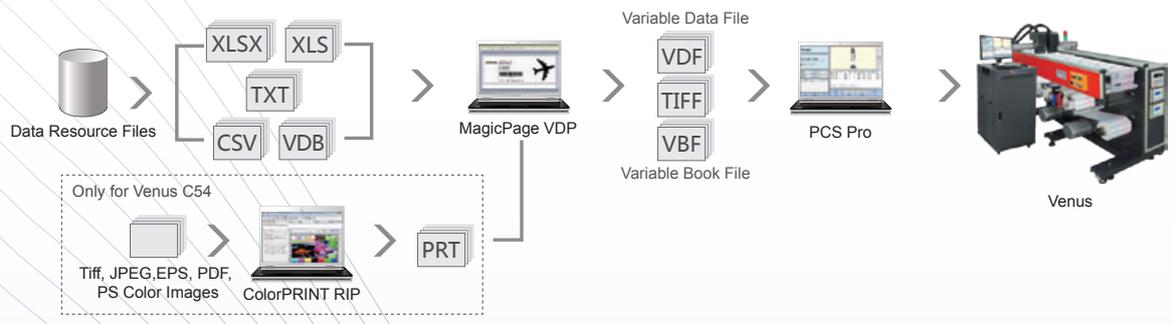
Components	Hardware	· Data Imaging Board · Printing Control Cabinet · Print Head Module · Automatic Print Head Maintenance Module （Only for Venus C54） · Mounting Cross Frame
	Software	· MagicPage VDP Software · ColorPRINT RIP Software (Optional, only for Venus C54) · PCS Pro

EFFICIENT WORKFLOWS

Venus 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.

Supported fonts and barcodes:

- Single-line, multi-line, numeric codes, time, and serial numbers
- Character, True Type, Type-1
- 1-D Barcodes include EAN-13, EAN-8, Code 39, Code 128, Codabar, GS1 DataBar-14, IATA 2 of 5, Interleaved 2 of 5, JAN-13, UPC-A, POSTNET
- 2-D Barcodes include PDF417 and QR Code

Data Resource Files → XLSX / XLS / TXT / CSV / VDB → MagicPage VDP → Variable Data File VDF / TIFF / VBF Variable Book File → PCS Pro → Venus

Only for Venus C54
Tiff, JPEG,EPS, PDF, PS Color Images → ColorPRINT RIP → PRT

ColorPRINT RIP Software   MagicPage VDP Software   PCS Pro

Jan13   QR Code   Code 39   PDF417

FEATURES

Versatile Ink Applications
Venus 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 curable inks have advantages of excellent hardness 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
Users can adjust the relative position of print heads easily and precisely. 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.

Various & Movable Printing Position
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.

Automatic Print Head Maintenance for Venus C54
Based on an all-in-one design concept, the small and compact Print Head Maintenance Module allows automatic purging, wiping and capping (PWC) for convenient unattended operation.

Venus C54 with PWC Module

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: W600mm (23.6″) × D600mm (23.6″) × H1100mm (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

Venus 54
Dimensions: W125mm (4.9″) × D308mm (12.1″) × H378mm (14.9″)
- 1 print head included
- 600 dpi print resolution

Venus C54(Water-based Ink)
Dimensions: W263mm (10.4″) × D298mm (11.7″) × H475mm (18.7″)
- 4 print heads included
- 600 dpi print resolution

Venus C54(UV Ink)
Dimensions: W263mm (10.4″) × D298mm (11.7″) × H475mm (18.7″)
- 4 print heads and 1 pinning lamp included
- 600 dpi print resolution

Venus 54

Venus C54
(Water-based Ink)
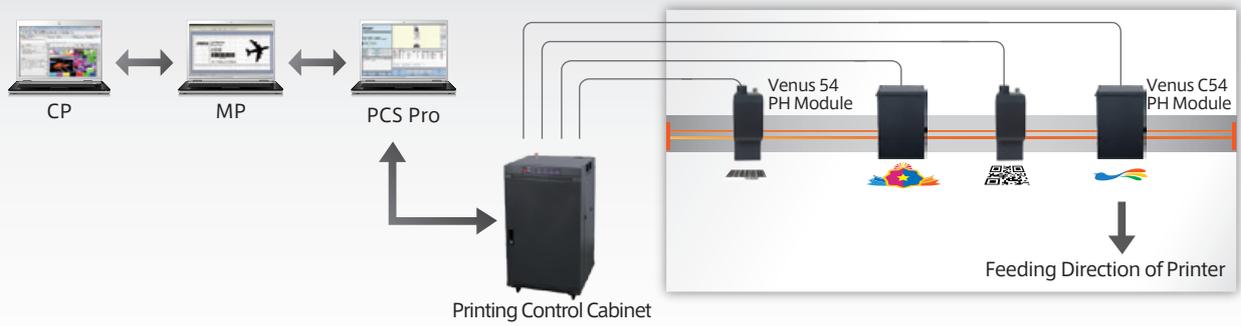
Venus C54
(UV Ink)

Mounting Cross Frame
Dimensions: W1143mm (45″) × D230.5mm (9″) × H417mm (16.4″)
- Frame length can be customized to user's needs

Mounting Cross Frame

BASIC DIAGRAM OF VENUS

CP ↔ MP ↔ PCS Pro

Printing Control Cabinet

Venus 54 PH Module

Venus C54 PH Module

Feeding Direction of Printer

BASIC SPECIFICATIONS

		Venus 54	Venus C54	
Head Modules*			(Water-based ink)	(UV ink)
Print Head Model		DOD piezo electric inkjet print head		
Number of Print Heads and UV Lamps		1 Head	4 Heads	4 Heads, 1 Pinning Lamp
Printing Width		54mm (2.13")		
Inks		UV curable ink, Water-based ink	Water-based ink	UV curable ink
Number of Colors		Monochrome	Full Color	
Print Head Resolution		600 dpi		
Dropsize		7pl, Variable dot size		
Print Type		Text, serial numbers, barcodes, dates, time etc.		
Print Productivity unit: m/min. (ft/min.)	600 × 300 dpi	150 (492)		
	600 × 450 dpi	120 (394)		
	600 × 600 dpi	75 (246)		

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

APPLICATIONS

Labels

Packaging

Plastic Cards

Tickets

Business Forms

AMICA SYSTEMS

E-mail: sales@amicasystems.com   For more information, please visit **www.amicasystems.com**