VIPER
Thermal Inkjet Coder

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The zero maintenance TIJ technology, combined with the CLARiTY® interface provide the lowest possible cost of ownership, and best in class ROI figures.

The Viper is a class leading thermal inkjet coder combining high performance and speed with extreme reliability, accuracy and no maintenance requirements.

Suitable for printing on a range of porous and non-porous packaging materials for both primary and secondary applications, the Viper uses HP®'s thermal inkjet (TIJ) technology to provide print heights from 12.7mm to 50.8mm at a resolution of 600dpi.

Choose Viper as your intuitive, maintenance free, high definition thermal inkjet coder

Flexible, high quality and scalable printing

› Fast, consistent, trouble free printing with excellent code clarity.

› Printhead configuration for up to four printheads with print heights from 12.7mm to 50.8mm at print speeds up to 75 metres per minute.

› Print up to four lines of 600dpi resolution vertical and horizontal text, bar codes, 2D data matrix codes and logos.

Reliable and maintenance free

› Maintenance free printer with no replacement parts other than the inkjet cartridge - just replace the ink when required and go.

› Clean, mess free and easy to change HP® ink cartridges.

Intelligent and intuitive interface

› Easy to learn, quick and error free icon based controls and WYSIWYG image display with the CLARiTY coder operating system.

› On-board application qualification and technical diagnostics ensure precise set-up and maximum uptime.

› Printer cloning, master/slave mode and several methods of connectivity ensure security of data being coded.

A closer look at CLARiTY® Coder Operating System

CLARiTY ensures secure, streamlined management of data, minimising downtime and protecting brand integrity.

REDUCE…

› **Rework** by eliminating coding errors.

› **Risk** by delivering accurate legible codes.

› **Recalls** by consistent coding with traceability.

› Unique date calculation manager to configure offset dates, avoidance date rules and controlled concessions.

› Windows True Type fonts for flexible label design.

› Multiple language functionality.

› Intuitive high-resolution graphical user interface with icon based controls, WYSIWYG image display and colour touchscreen.

› Limited operator intervention required minimises risk of errors with sell-by dates, traceability codes, product variety and country of origin.

› USB software and image input.

› Web browser to allow seamless OEM integration and remote diagnostics.

› Real time view of the performance of all ICE printers in the factory.

› USB scanpoint feature allows job selection via barcode scanning with no operator intervention and no human error.

› Master/slave to control multiple printers from a single screen.

› Network capability for plant-wide solutions when used with CLARiNET® package coding network control software.

› The patented generic file structure of CLARiTY ensures future compatibility with your choice of coder technology.

Performance

Printer

Printhead print height	1 printhead	2 printheads	3 printheads	4 printheads
	12.7mm	25.4mm	38.1mm	50.8mm
Maximum number of printheads	Up to 4 stacked/stitched or deployed independently			
Print speed	1.5 - 75 m/min (5 - 250 ft/min)			
Maximum print resolution	600 x 600 dpi			

General

8.4" TFT SVGA (800 x 800) touch screen operator interface	On-board diagnostics
Full-colour LCD touch panel interface WYSIWYG print preview	On-board memory, compact flash and/or expansion card
3 levels of password protection	Job selection and database support as standard

Software

CLARiSOFT® Image Design Software	Auto best before date calculation and concession management
Full downloadable font support for Windows TrueType fonts (including multiple languages and Unicode support)	Scalable text including rotation, mirror and inverse printing
Fixed, variable and merged text fields	Flexible date / time formats
Link fields to databases	Real-time clock functions
Formats for shift coding	Auto increment/decrementing text, counters and barcodes
Mirror image printing, image rotation	Multiple graphic formats supported (up to maximum print area)
Basic shape drawing	128Mb message store memory
Barcodes EAN8, EAN13, UPC-A, UPC-E, CODE 39, CODE128, EAN128, GS1 DataBar (including 2D composite), DataMatrix, QR, PDF417	

Connectivity

External inputs (fully software configurable)	USB memory stick support
External outputs	Select ZPL command emulation
RS232	Text communication
Ethernet	CLARiNET® coder independent network management software

Services

Power supply	100 - 240V AC, 50-60Hz
Operating temperature	5°C - 45°C
Approximate weight (controller)	7.0 lbs (3.2 kgs)

Regulatory approvals

MET N RTL	CE Mark	FCC

Printhead Dimensions

Four printhead options are available with different dimensions to meet line integration requirements. The following dimensions are for the Standard Blue printhead: **4.5"** (115mm) long, **4.3"** (110mm) high, **2.4"** (60mm) wide (at rub plate).
Dimensions exclude cartridge and cable connections. Red, Green and Gold printhead dimensions vary in length and height from Blue printhead.

Dimensions

Standard Blue Printhead