

Vega Laser Cassette Printer

Technical Specifications



Epredia's Vega laser cassette printer offers highly reliable technology in cassette printing. Barcodes and text are printed with high resolution so that they can be scanned by downstream systems.

The Vega laser cassette printer does not use ink, bulbs or ribbon to print on the surface of the cassette. All required materials are provided in the printer or cassette itself.

To accommodate histology lab workflows, accessories such as the Sorter, Duo and Side Delivery System can be configured to optimize laboratory operations.

Epredia™ VEGA laser cassette printers offer:

- High-resolution, durable printing
- Up to 100-character 2D barcodes
- Fast, four seconds per cassette printing
- Intelligent cassette selection from six-hopper carousel
- Quiet printing, < 65 dB
- High-resolution, 600-dpi barcode to include more information
- High-quality barcode printing may reduce instances of reprints and non-scannable barcodes
- LIS connectivity to streamline workflow
- Laser technology requires few consumables and no print heads, ink cartridges, ribbon, and UV fixing lights
- Easy-to-use connection for smooth installation
- Reduce operational cost with no printhead replacements
- Robust laser technology consistently prints within four seconds for a faster turnaround time.

Laser Optimized Cassettes Achieve Optimal Performance

- Epredia offer a range of 77 laser optimized cassettes, available in 12 colors all of which are specifically designed to:
- Maximise fluidics exchange.
- Utilize a 35 or 45 degree angle surface
- Fit within common microtome block clamps and tissue processor baskets.

Key features include:

- Up to 100 character 2D barcodes.
- Designed to ensure highest print quality is achieved.
- Consistent legible labelling.
- Suitable for slotted, biopsy, embedding and small pore sections.
- Taped and stripped packaging options compatible with both Nova & Vega printers.

Model Numbers

Vega	8000038
Vega with Sorter	8000040
Vega with Duo	8000041
Side Delivery System for Vega	9001140

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Mechanical Specifications		
Size (D x W x H)	Imperial (inches)	Metric (cm)
Vega	24.4 x 10.2 x 20.5	62 x 26 x 52
Vega with Sorter	24.4 x 10.2 x 26	62 x 26 x 66
Vega with DUO	24.4 x 30 x 24.8	62 x 76.2 x 63
Vega with Side Delivery System	24.4 x 21 x 25.2	62 x 53 x 64
Packaging Size (D x W x H)	29.1 x 17.7 x 37	74.5 x 45 x 94
Device Weight	Imperial (lbs)	Metric (kg)
Vega	59.4	27
Vega with Sorter	70.4	32
Vega with DUO	68.2	31
Vega with Side Delivery System	63.1	28.7
Device with Packaging Weight	77.0	35

Electrical Specifications	
Electrical conformity	IEC/EN 61010-1:2010 IEC 60825-1†
Nominal Voltage	110-120V (±10%) 60Hz (±2Hz) 220-240V (±10%) 50Hz (±2Hz)
Maximum power draw at 100-120 V	4A
Maximum power draw at 200-240 V	3A
Temperature (operating limits)	15°C to 35°C (59°F to 95°F)
Temperature (transport and storage)	5°C to 35°C (-4°F to 122°F)
Relative Humidity (operating limits)	Max. 80%
Relative Humidity (transport and storage)	Max. 80%
Altitude	Up to 2500 m (8,200 ft)
Maximum Sound Emission	5

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Barcode Specifications	
Configurations	Data Matrix, QR Code, Code 128, Code 39 and others
2D barcode, max characters	Up to 100 [†]
Max characters printed	50 [†]
Character types	Alphanumeric, Barcode: linear, bidimensional, ASCII codes

Instrument Specifications	
Hoppers	6
Number of cassettes per hopper	80
Total cassettes on board	480
Throughput	15 cassettes/min

Computer and Software	
Software Access Levels	User Administrator Power User
Operating System	Windows 10
RAM	8 GB
Processor	Intel® Core i7 or i9
USB Ports	4
LAN Port	1

Laser Specifications	
Laser type	Sealed, Class IV, Focused, Low Powered YAG [†]
Average power	3.0 Watts [†]
Wavelengths	
Invisible	1064nm [†]
Visible	640nm [†]
Nominal Frequency	10-200Hz
Pulse Peak Power	20 +/- 5% kW

Additional Information	
Manufactured by	Fa-Tech Diagnostics, PHC Group
Country of Manufacture	Italy
Compatible Consumables	Specialty Epredia cassettes
Consumable Country of Manufacture	Netherlands

[†] denotes unique feature