



PRINTING SYSTEM

PRINTING SYSTEM BHM1Z1

PATHOLOGICAL SLIDE SCANNER



The PrimeHisto XE is a histological slide scanner. The PrimeHisto XE design is designed for observation of histological samples, particularly medical/pathological tissue samples. The PrimeHisto XE allows scanning of histological samples mounted on a 25*75mm (1 x 3 inch) slide. With easy manipulation/setting, PrimeHisto XE allows the histological samples to be digitized in a matter of seconds. Scanners are equipped with HistoView, which is just an editing package that combines with the product hardware driver to scan and adjust the effective quality parameters of the images in the Windows and Mac OS environment. PrimeHisto XE allows you to save scanned images in a variety of image formats, such as TIFF, BMP, and JPEG.

SPECIFICATIONS

Model	BHM1Z1
Old Model	BHTP-506
Resolution	10000x10000 DPI
Dynamic range	3.80 D
Scan area	24.3x36.5 mm
Scanning medium	75x25 mm section
Photo formats	TIFF, JPEG
Light source	Transmits LED white light
Operating systems	Windows XP/Vista/7/8/10, Mac OS X 10.5+
Dimensions	260x155x70 mm
Package Info	
--Packing	Wooden Case
--Gross Weight	2 kg
--Package Dimensions	415x290x135 mm
Alt Name	Pathological Slide Scanner

FEATURES

The PrimeHisto XE is a histological slide scanner. The PrimeHisto XE design is designed for observation of histological samples, particularly medical/pathological tissue samples. The PrimeHisto XE allows scanning of histological samples mounted on a 25*75mm (1 x 3 inch) slide. With easy manipulation/setting, PrimeHisto XE allows the histological samples to be digitized in a matter of seconds.

Scanners are equipped with HistoView, which is just an editing package that combines with the product hardware driver to scan and adjust the effective quality parameters of the images in the Windows and Mac OS environment. PrimeHisto XE allows you to save scanned images in a variety of image formats, such as TIFF, BMP, and JPEG.

As a next-generation histological scanner, PrimeHisto XE has the ability to be suitable for most histological slide samples and can scan the entire histological slide image in a scanning area of 24.3x36.5mm. PrimeHisto XE also has a high resolution of up to 10,000 DPI and is suitable for a variety of micro applications, including advanced biology research in universities and basic biology research in high schools.

1. Fast and economical digitization of organizational samples.
2. HistoView can be easily installed in PC/MAC system, with simple operation interface and powerful functions.
3. High dynamic range (3.8 OD), can easily identify each cell.
4. Wide range of applications, from basic histological research to high school biology research.
5. Equivalent to 75 times the resolution.

6. The newly designed rotatable polarizer holder (optional) allows scanning thin sections of polished rock on a 1x2 inch glass slide in bright field and polarized light.

PRINTING SYSTEM BHM1U1

MINI COVER SLIPPER



Covering machine is a fast curing device for sealed glass slides. This machine adopts advanced microcomputer technology, which makes the equipment more accurate, stable and anti-interference ability. Suitable for medical colleges, hospital pathology, medical research units, animals and plants and food inspection departments.

Usage:

1. The glass slide containing the organization is neatly discharged into the concave frame of the workpiece table, and the numbered part is hung on the side of the work table;
2. Take out the glue bottle and spin off the cone cover, cut a small section at the top of the cone, and drill a large and small suitable hole at the top;

SPECIFICATIONS

Model	BHM1U1
Old Model	BHTP-504
Rated voltage	AV220V $\pm 10\%$
Power frequency	50 ± 1 Hz
Rated power	≤ 100 W
Speed	30 tablets/min
Slide seat	15
Net Weight	17.5 kg
Dimensions	500x300x120 mm
Package Info	
--Packing	Wooden Case
--Gross Weight	20 kg
--Package Dimensions	577x387x237 mm
Alt Name	Mini Cover Slipper

FEATURES

Covering machine is a fast curing device for sealed glass slides. This machine adopts advanced microcomputer technology, which makes the equipment more accurate, stable and anti-interference ability. Suitable for medical colleges, hospital pathology, medical research units, animals and plants and food inspection departments.

Usage:

1. The glass slide containing the organization is neatly discharged into the concave frame of the workpiece table, and the numbered part is hung on the side of the work table;
2. Take out the glue bottle and spin off the cone cover, cut a small section at the top of the cone, and drill a large and small suitable hole at the top;
3. In turn, drop a small drop of glue on the slide tissue and cover the cover glass slide, and gently press the cover glass with your finger to spread the glue evenly;
4. Turn on the machine power switch, use the left hand to send the glass slide with the cover glass from the left hole of the machine (can be single, or can be sent side by side), after 14 seconds, the glass will be automatically sent out from the right side, the glue is dry.

Notes:

1. 220 V power outlets must have secure ground wires;

2. Disconnect the power when the 2. is not working;
3. The glue box is specially made and can not be replaced by other containers;
4. Pay attention to finishing the slide in time to prevent clogging the exit.

PRINTING SYSTEM BHM1W1

CASSETTE PRINTER



Short Desc : Single Slot Laser Cassette Printer

1. Laser printing without special printing supplies.
2. The printing speed is not less than 25 embedded boxes per minute (including QR code).
3. Can print all kinds of text, numbers, QR code, symbols.
4. The embedded box to be printed is placed horizontally and has a safety gap with the four sides of the slot.
5. Single slot design.
6. Each tank is loaded with not less than 100 embedded boxes at one time
7. High printing clarity, to ensure that the printed two-dimensional code can be scanned reliably.
8. Long-term pre-filled packaging box strip, save the user manual loading trouble

SPECIFICATIONS

Model	BHM1W1
Old Model	BHTP-501
Printing software	Realize batch and individual printing
Print software customization	Can customize print field name
Editable print fields	≥8
Writing durability	Scratch-resistant, resistant to organic solvents
QR code size	≥6x6 mm
Printing software windows	Editing window, to-be-printed window, printed window
Front machine width	<200 mm
Data recovery	Automatic data recovery function without loss of data
Export options	Export printed information to a file for statistical analysis
Embedded box conveying	Slide type, slips freely on slide
Embedding box position	Printed in the middle of the slide
Slide movement	Embedded box slides freely to bottom of the slide
Printing control	Controlled by electric jacking rod in middle of slide
Recommended service life	8 years
Net Weight	19.8 kg
Dimensions	440 x 420 x 250 mm
Gross Weight	24.3 kg
Package Dimensions	545 x 345 x 515 mm
Alt Name	Cassette Printer

ITEMS INCLUDED

No	Name	Unit
1	Mainframe	1
2	Data cable	1
3	Buried strip seat	2

4	Embedding strips	2 (50 embedding boxes per strip)
5	Power cord	1

FEATURES

Short Desc : Single Slot Laser Cassette Printer

1. Laser printing without special printing supplies.
2. The printing speed is not less than 25 embedded boxes per minute (including QR code).
3. Can print all kinds of text, numbers, QR code, symbols.
4. The embedded box to be printed is placed horizontally and has a safety gap with the four sides of the slot.
5. Single slot design.
6. Each tank is loaded with not less than 100 embedded boxes at one time
7. High printing clarity, to ensure that the printed two-dimensional code can be scanned reliably.
8. Long-term pre-filled packaging box strip, save the user manual loading trouble, to ensure the print quality.
9. Semi-transparent viewing window that can be opened and closed for easy observation of the printing process.
10. The translucent viewing window is located directly in front of the marking machine.
11. The embedded box can be added at any time for special printing through the translucent window.
12. In addition to the two-dimensional code, more than 8 fields of numeric and character information can be printed.
13. It can be connected to HIS or LIS systems in hospitals.
14. The loading slot is located on the left side of the marking machine.
15. The exit of the printed buried box is located on the right side of the marking machine.
16. High printing clarity, to ensure that the printed two-dimensional code can be scanned reliably.
17. Long-term pre-filled packaging box strip, save the user manual loading trouble, to ensure the print quality.
18. The embedded box upload is located on the left side of the machine, and the printed embedded box output is located on the right side of the machine.

PRINTING SYSTEM BHM1V1

LASER SLIDE PRINTER



1. Using laser direct marking technology, laser directly burn out the characters.
2. Printing supplies such as ribbon and ink cartridges are not required.
3. It can print all kinds of paint slides, and there is no strict requirement for the smoothness of the glass paint surface.
4. High printing precision, printed two-dimensional code can be easily scanned.
5. Can realize the printing information export and batch printing function, can also realize the independent manual input information printing function.
6. No less than 100 slides can be loaded at one time.
7. The mechanical push hand will push the printed slide directly to the slide collection station to avoid free sliding or falling of the printed slide.

SPECIFICATIONS

Model	BHM1V1
Old Model	BHTP-502
Printing speed	≤6 seconds/slide (≥10 slides per minute)
Air filtration system	Built-in, effectively filters printing dust
Operating system	Windows
Touch screen	Built-in color touch screen
Slide loading rack	Pluggable design to facilitate loading
Slide uploading slot	Right side of the machine for easy loading
USB interface	Yes, import/export data

Code scanner	Integrated two-dimensional code scanner
Printing parameters	Stored in U disk, replace computer without recalibration
RJ45 interface	Yes
Printing software	Automatic selection of templates by organization
Slide collector	Optional, independent, freely combined or separated
Collection capacity	≥200 slides at one time
Marking range	50 mm x 50 mm
Resolution	2500 DPI
Ultraviolet life span	3 years, 1 watt power
Recommended service life	8 years
Net Weight	21.2 kg
Dimensions	490 x 200 x 375 mm
Gross Weight	28.2 kg
Package Dimensions	630 x 575 x 600 mm
Alt Name	Laser Slide Printer

ITEMS INCLUDED

No	Name	Unit
1	Host	1
2	Power cord	1
3	USB data cable	1
4	Built-in QR code scanner	1
5	Glass boxes	2 boxes (50 pieces/box)
6	Slide upload rack	2

FEATURES

1. Using laser direct marking technology, laser directly burn out the characters.
2. Printing supplies such as ribbon and ink cartridges are not required.
3. It can print all kinds of paint slides, and there is no strict requirement for the smoothness of the glass paint surface.
4. High printing precision, printed two-dimensional code can be easily scanned.
5. Can realize the printing information export and batch printing function, can also realize the independent manual input information printing function.
6. No less than 100 slides can be loaded at one time.
7. The mechanical push hand will push the printed slide directly to the slide collection station to avoid free sliding or falling of the printed slide.
8. Fixed slide collection station without movable slide collection trough.
9. The slide collection station can collect and print at least 40 slides at a time.
- 10.*The printed slide is pushed out horizontally, and the print is located on the right side of the marking machine.
11. The printed slide collection adopts a stack structure, with the first printed slide at the top of the stack.
12. The width of the whole machine is not more than 21cm, which can be placed on the slicing workbench.

PRINTING SYSTEM BHM1T1

COVER SLIPPER



1. Covers of various brands and specifications
2. Color touch screen control interface, real-time dynamic prompts of operation instructions, simple and efficient operation, prevent misoperation
3. Compatible with basket type, non-basket type and other types of dyeing racks, automatic identification, no manual conversion
4. By adjusting the flow and speed of the sealing rubber, it can be compatible with imported and domestically produced multi-standard sealing glue, stepless adjustment and real-time response.
5. Whether the dispensing needle is in real-time detection and alarm function at the working position, and a cleaning screen is designed at the storage position

SPECIFICATIONS

Model	BHM1T1
Old Model	BHTP-503
Specimen slide throughput	200-400 pieces/hour
Specimen slide holders	20-30 pieces/holder
Output magazines	30 pieces/magazine
Cover slip magazine capacity	120-160 pieces/magazine
Specimen slide size	26x75 mm
Cover slip size	24x50 mm
Net Weight	47 kg
Dimensions	590x390x620 mm
Package Info	
--Packing	Wooden Case
--Gross Weight	62 kg
--Package Dimensions	680x480x820 mm
Alt Name	Cover Slipper

FEATURES

1. Covers of various brands and specifications
2. Color touch screen control interface, real-time dynamic prompts of operation instructions, simple and efficient operation, prevent misoperation
3. Compatible with basket type, non-basket type and other types of dyeing racks, automatic identification, no manual conversion
4. By adjusting the flow and speed of the sealing rubber, it can be compatible with imported and domestically produced multi-standard sealing glue, stepless adjustment and real-time response.
5. Whether the dispensing needle is in real-time detection and alarm function at the working position, and a cleaning screen is designed at the storage position to effectively prevent the nozzle from drying (manual operation is required)
6. Automatically monitor the quality of the cover slipper during the working process. The fragments and bad pieces are automatically discarded into the waste cassette. The sensor has a self-checking function to effectively improve work efficiency.
7. Automatically carry out two rounds of slide scans during the work process, effectively reducing the leakage rate of the slides and improving the quality of work.
8. Slide grab has automatic adjustment positioning function, automatically reset after 3 failed capture and graphic and audible alarm
9. The slide out box has the function of putting it at any time and taking it at any time, and the machine automatically performs the operation; the machine without the exit box automatically

detects and has the graphic sound alarm function.

10. The process of storing slides has the function of blocking automatic detection and resetting alarms.

11. Provides two modes of dry sealing and wet sealing. Users can switch between the conventional parameters as needed.

12. The alarm mode adopts various modes such as graphic display and sound, and the sound alarm automatically stops after 5 times.

13. Using large suction ultra-quiet exhaust fan, built-in replaceable activated carbon filter to enhance heat dissipation and effectively prevent air pollution

PRINTING SYSTEM BHM1X1

DIGITAL PATHOLOGICAL SLIDE SCANNER



Equipment composition

1. Pathological section scanner

2. Embedded PC with advanced graphics capability.

Optical microscopy

1. 3200*2200 1" global shutter camera, Frame rate ≥ 75 f/s

2. 20x objective lens, NA=0.75

SPECIFICATIONS

Model	BHM1X1
Hardware Configuration	
-Scanner platform resolution	XY drivers 5 μ m, Z autofocus 0.25 μ m
-Image resolution	20x objective lens, ≤ 0.25 μ m/pixel
-Scanning process	Automation with simple sample loading
-Light source	LED, service life >20,000 hours
-Scan process control	One-click start/stop, supports sample add-in
-Sample container capacity	120 / 240 with optional loading system
-Embedded PC	nVidia professional graphics card, PC IOs, USB3.0
-Slide capacities	6 pcs (optional 60, 120, 240 pcs)
Software configuration	
-Image formats	JPEG, BMP
-Automatic recognition	Smear contour & scanning at specified position
-Continuous scanning mode	≤ 180 s per sample (15x15 mm)
-History image browsing	Yes
-Auto sample positioning	Yes
-Area marking	Mark specified area & take HD screenshots
-Image storage	Local or network, supports query & count of data
Net Weight	35 kg
Dimensions	698 x 464 x 345 mm
Gross Weight	75 kg
Package Dimensions	800 x 550 x 550 mm
Alt Name	Digital Pathological Slide Scanner



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada
Email: info@biolabscientific.com | Website: www.biolabscientific.com