

# Apr 5

## Digital Slide Scanner

The instrument startup adopts strong and weak current segmented control to ensure the safety of personnel and instruments.



## Product Features

### Unique magnetic suction slide loading plate

- ◆ The magnetic suction system guarantees accurate placement of the slide loading plate while loading and unloading, eliminating the need for repetitive friction in the process. This technology ensures a seamless loading and unloading experience, significantly reducing the risk of slides slipping or breaking during these operations.

### High speed, high-precision X/Y/Z three-dimensional stage system

- ◆ Imported maglev linear motor: motion speed 3.2m/s, acceleration 8g.
- ◆ High precision full closed-loop drive control system, with X/Y axis motion resolution of 100nm and Z axis motion resolution of 50nm.

### Special functions for the scanning software

- ◆ Scan and View: After the slice scan is completed, the scanning software's browsing function can be used to instantly view the image and make pathological diagnosis.
- ◆ Real time precise positioning and viewing of newly scanned slices, equivalent to microscope viewing function: scanning software precise positioning platform movement, real-time positioning and display of slice images.
- ◆ Real time display of the current position parameters and organizational information parameters of the image.
- ◆ When there are multiple pieces of tissue on one slide, the software can intelligently recognize the blocks, independently complete scanning, and fuse to generate a digital slice image.

### Browse software

- ◆ With slice library management function: automatically detect slice files in the machine, and have retrieval, query, and sorting functions.
- ◆ Color differentiation slice browsing trajectory: different color markers locate browsing trajectories with different magnification.
- ◆ Mark ROI with different shapes, colors, and line widths, and export the marking information as an Excel file
- ◆ Capable of taking regional and full screen screenshots of  $\geq 300$ dpi to meet the publishing needs of journals, books, etc; Screenshots can be annotated, exported, and other operations.



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## ■ Performance parameter

Technical Specification	Parameter
power supply	220V/50HZ
Power	300VA
Ambient Temperature	5°C~40°C
Relative Humidity	30%~80%
Barometric Pressure	500hPa~1060hPa
Number of Slides Loaded	1-5pcs
Size for Slide:	26mm*76mm
Objective Lens:	APO 20X, NA0.75
Camera	Previewing Camera, Imaging Camera
Scanning Magnification	20X 40X
Scanning method	area array scanning
Scanning Resolution	≤0.5μm/pixel(20×); ≤0.25μm/pixel(40×)
Scanning Area Size	≥24mmX50mm
Scanning Speed	20x <30s
Focusing method	Automatically, manually
Tissue Identification	Available
Barcode Recognition	Available
Multilayered Scanning	Available
Image Acquisition Mode	2D Scanning
Scanning Out	24-bit, Instant Preview
Storage Method	Local, Cloud Storage
Dimension	470mm x 550mm x 570mm
Weight	52Kg



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