



## The Mikroscan™ 5-20 Series

### The Smallest, Most Powerful Telepathology System in Its Class

#### Work Smarter. Review Faster.

The 5-20 Series builds on the proven L5 and SL5 platforms, adding a 20-slide autoloader for streamlined, high-throughput workflows.

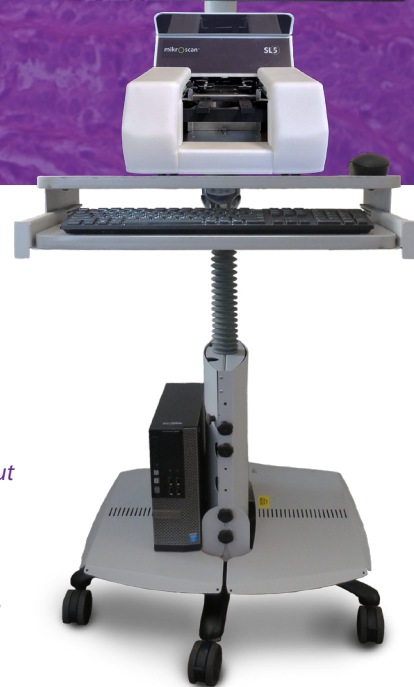
- **Process Entire Cases Quickly** – 20-slide autoloader mirrors traditional slide folders, allowing easy review of entire cases.
- **Maximize Throughput** – Process up to 420 slides per day to meet high-capacity workflows.
- **Compact Yet Powerful** – Achieve top-tier performance with the smallest footprint in its class.
- **Precision Imaging** – Experience superior clarity with a 4K-resolution monitor and high-resolution optics—engineered for speed without compromising performance.
- **Secure, IT-Managed Access** – Connectivity is fully controlled by your IT team via Splashtop® remote access software, with no cloud involved for maximum security.

#### Autoloader Capabilities

- Operates in fully automated or manual mode for challenging specimens
- Supports live robotic microscopy and whole-slide imaging
- Enables sequential or random slide access with a pause-and-replace option for frozen section turnaround
- Gives remote users full control—from anywhere

#### Slide Holder Design




- Holds two 1 × 3" slides per holder; each cartridge loads 10 holders
- Ships with two cartridges and 50 slide holders for uninterrupted workflows
- Compact design minimizes handling and stores slides neatly




# System Specifications

## Environmental Conditions

**Operating Environment:** Indoor Use, Pollution Degree 2, Altitude up to 2000 m, Overvoltage Category II, Voltage Fluctuations up to +/- 10%

 TEMPERATURE	Operating	41°F (5°C) to 104°F (40°C)
	Storage	32°F (0°C) to 140°F (60°C)
 RELATIVE HUMIDITY	Operating	30 to 80% rH for temperatures up to 31°C, decreasing linearly to 50% rH at 40°C
	Storage	10 to 95% rH
 ATMOSPHERIC PRESSURE	Operating	700 to 1060hPa
	Storage	500 to 1060hPa

## Product Specifications

AC Input Voltage:	100-240V~, 50-60Hz, O.V. Cat II, voltage fluctuations up to ± 10%
Instrument Power Requirement:	24VDC  100W
System Dimensions:	50 x 30 x 24 cm (L x W x H), 18 kg
Expected Service Life of Equipment and Accessories:	5 years

## Autoloader Cartridge and Slide Holder Specifications

**Slide Holders\*:** 50 supplied with each autoloader system. Each slide holder can hold up to two 1 x 3" slides.

**Material\*:** Durable nylon, resistant to various chemicals, solvents, alcohols, and other products.

**Cartridges:** Two supplied with each autoloader system. Each cartridge can hold up to 10 slide holders, for a total of 20 1 x 3" slides per cartridge. Additional cartridges can be purchased separately.

Magnification (OEM)*:	20x	40x
Scan Speeds: (20 slides, each with a 15 mm x 15 mm scan area)	21 sec. per slide	66 sec. per slide
Scanning Time to View: Includes 5 Focal Points (Processing and Saving Time)	53 sec. per slide	139 sec. per slide
Live Mode Throughput: Time to View 20 Slides (10 slide holders)	3 min. for 20 slides (9 sec. per slide)	
Slide Sizes	25.5 x 75.5 ± 0.5 mm (1 x 3" nominal)	
Slide Thickness	1.0 ± 0.1 mm, not including coverslip	
Number of Slides	20	

\*Slide holders are intended to be replaced if they show signs of excessive wear or cracking. Additional slide holders can be purchased separately.

\*Full nylon compatibility chart available upon request.

\*Optical Equivalent Magnification is the approximate analog (optical) equivalent that would produce images with similar resolution as the listed digital magnification, which is measured in microns per pixel (µm/pixel). Reference: J Pathol Inform 2013, 1:21

*To meet the needs of an increasing number of mobile telepathology applications, all systems ship with an automated dock-and-lock feature that greatly simplifies use in mobile environments.*

**Contact our team for more information about our solutions and applications or to schedule a live demonstration.**

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LBL-048 Rev E

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