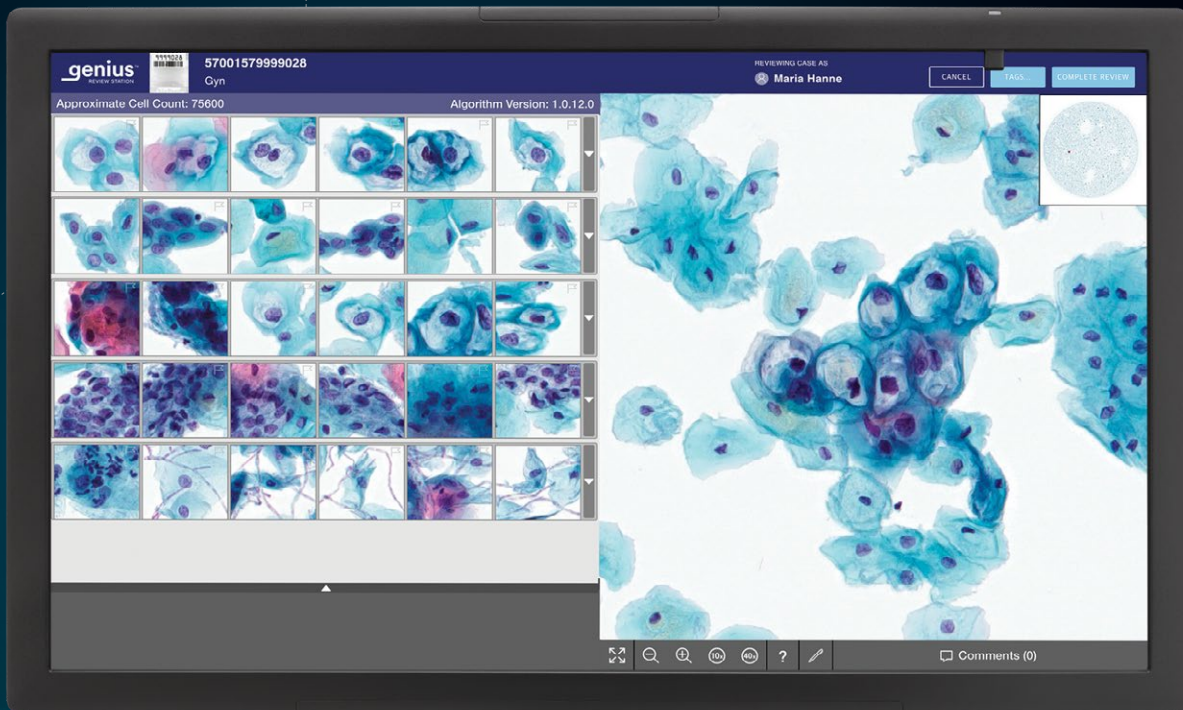


## Transform Cervical Cancer Screening

The **Genius™ Digital Diagnostics System** is the first digital cytology solution to combine the power of a new, deep learning-based artificial intelligence (AI) algorithm with advanced volumetric imaging technology to help identify pre-cancerous lesions and cervical cancer cells in women.<sup>1</sup>

Developed with one goal in mind – eradicate cervical cancer.



Join the future of cervical cancer screening.  
Explore the system.

**genius™**  
DIGITAL DIAGNOSTICS

# Engineered for cytology. Optimised for clinical laboratories.

## Genius™ Digital Diagnostics advances your analysis from slide to screen.<sup>1</sup>

- Complete digital cytology system
- Designed to increase workflow efficiencies
- Improve collaboration
- Drive more actionable insights
- Enhanced patient care



### Genius Digital Imager<sup>2</sup>

Quickly convert ThinPrep® cytology slides into high resolution, all-in-focus digital images for high-throughput image analysis. With features designed for busy laboratories, including STAT carrier management, an intuitive interface and ergonomic slide handling.

### Genius Cervical AI<sup>1</sup>

Target cervical cancer with cutting-edge technology that identifies the most clinically relevant objects on a ThinPrep GYN image. Deep learning-based AI narrows your screening from tens of thousands of objects down to a curated gallery of images, enabling efficient review.

### Genius Image Management Server (IMS)<sup>3</sup>

Securely store digital images of cases across your network to collaborate and manage workload. Connect to the Review Station for local or remote review – anytime, anywhere.

### Genius Review Station<sup>4</sup>

Combine exceptional image clarity with the simplicity of a point-and-click interface. A medical grade monitor with intelligently designed software allows you to screen cases and access your worklist for real time review and sign out.

## System Specifications

### Genius Digital Imager<sup>2</sup>



Slide Capacity	400
Slide Carrier Capacity	10 (each carrier holds 40 slides)
Stain Rack	Yes (each carrier holds 2 stain racks)
STAT Priority Carrier	Yes
Magnification	40x
Label Reading Capabilities (Barcodes)	7/7 OCR 1D barcodes 2D barcodes

Slide Type Accepted	ThinPrep Imaging System Microscope Slide ThinPrep UroCyte Microscope Slide ThinPrep Non-GYN Microscope Slide
Continuous Slide Loading	Yes
Power Supply Voltage	100 - 240 volts alternating current
Weight	230 lbs. (104 kg)
Dimensions	65 cm H x 80 cm W x 71 cm D

### Genius Image Management Server<sup>3</sup>



Storage Capacity	72 TB
Server	Full RAID 10 configured server

Required Network Speed	10 Gbps to Digital Imager
Dimensions	198.1 cm H x 76.2 cm W x 91.4 cm D

### Genius Review Station<sup>4</sup>



Monitor Size	28" (714 mm)
Network Speed	1 Gbps or faster
CPU	Intel® Core™ i7 2.4GHz (4C, 8T), or faster

RAM	16GB or greater
Operating System	Windows 10 – 64Bit

References: **1.** Instruction for use, GENIUS DIGITAL DIAGNOSTICS SYSTEM, AW-30074-001 Rev. 002 CAN-EN **2.** OPERATOR'S MANUAL, GENIUS DIGITAL IMAGER, MAN-10430-001 Rev. 002 CAN-EN **3.** USER'S MANUAL, GENIUS IMAGE MANAGEMENT SERVER DASHBOARD, MAN-10429-001 Rev. 002 CAN-EN **4.** OPERATOR'S MANUAL, GENIUS REVIEW STATION, MAN-10431-001 Rev. 002 CAN-EN.

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