HOLOGIC®
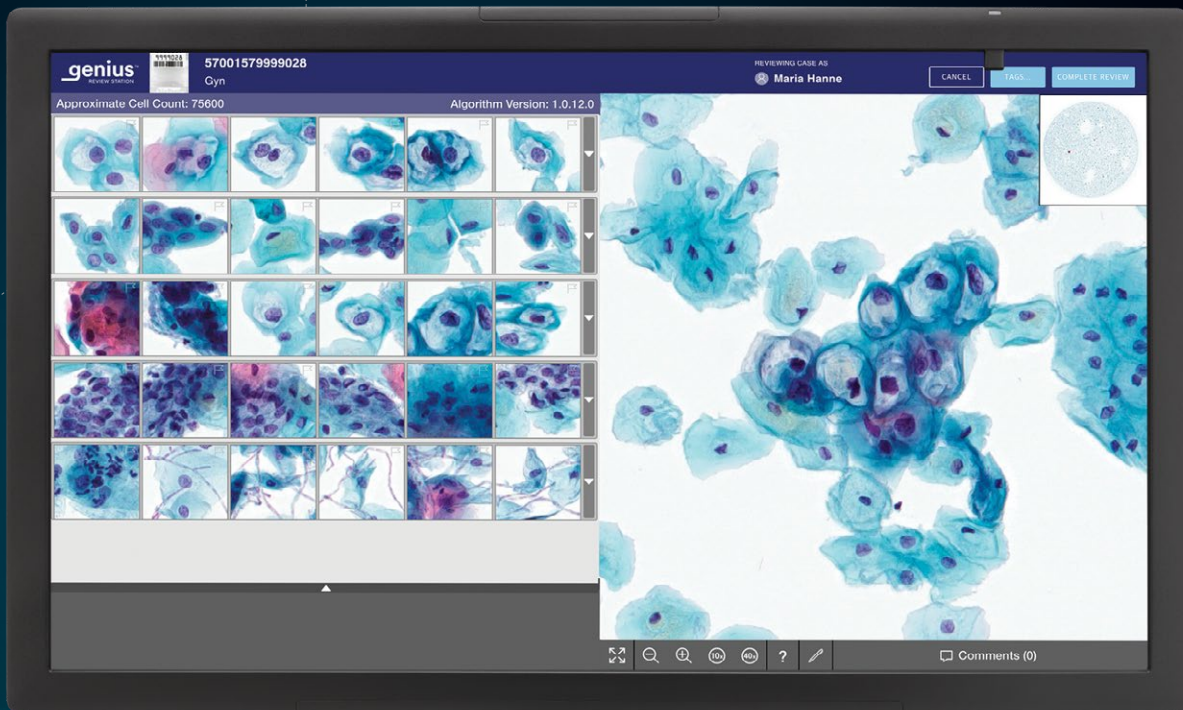
Transform Cervical Cancer Screening

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.[1]

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.[1]

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

Genius Digital Imager[2]

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[1]

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)[3]

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[4]

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[2]

Slide Capacity	400	Slide Type Accepted	ThinPrep Imaging System Microscope Slide ThinPrep UroCyte Microscope Slide ThinPrep Non-GYN Microscope Slide
Slide Carrier Capacity	10 (each carrier holds 40 slides)	Continuous Slide Loading	Yes
Stain Rack	Yes (each carrier holds 2 stain racks)	Power Supply Voltage	100 - 240 volts alternating current
STAT Priority Carrier	Yes	Weight	230 lbs. (104 kg)
Magnification	40x	Dimensions	65 cm H x 80 cm W x 71 cm D
Label Reading Capabilities (Barcodes)	7/7 OCR 1D barcodes 2D barcodes		

Genius Image Management Server[3]

Storage Capacity	72 TB	Required Network Speed	10 Gbps to Digital Imager
Server	Full RAID 10 configured server	Dimensions	198.1 cm H x 76.2 cm W x 91.4 cm D

Genius Review Station[4]

Monitor Size	28" (714 mm)	RAM	16GB or greater
Network Speed	1 Gbps or faster	Operating System	Windows 10 – 64Bit
CPU	Intel® Core™ i7 2.4GHz (4C, 8T), or faster		