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.

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. A complete digital cytology system, designed to increase workflow efficiencies, improve collaboration and drive more actionable insights — for enhanced patient care.

Genius Digital Imager

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

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)

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

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

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 (IMS)

Storage Capacity	72 TB	Required Network Speed	10 Gbps to Digital Imager
Server	Full RAID 10 configured server	Dimensions	44.35 cm H x 30.44 cm W x 69.28 cm D

Genius Review Station

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		