HOLOGIC

Digital Pathology

Genius™ Digital Diagnostics

Magnify Your Impact with a Unified Solution

for Cytology and Histology

The **Genius**™ Digital Diagnostics System is a digital pathology solution powered by advanced volumetric imaging that enables digitisation and review of cytology and histology in one system.

A single, versatile platform allows you to accomplish more with less — consolidating workflows, costs, and footprint to bring digital efficiency to your lab.

Extend your reach, expand your possibilities.

With the **Genius**™ Digital Imager, labs can digitise both cytology and histology specimens on a single, high-capacity slide scanner.

Equipped with volumetric imaging technology, it captures 14 focal planes at once. Powerful image processing then merges all into a single layer to generate a high quality digital image. This approach eliminates individual slide depth capture to enable fast scan speeds, low file sizes, and exceptional clarity.*

Cytology & Histology
Combined imaging consolidates workflows and space

LIS Capable
Communication with LIS streamlines case sign out

Imager Case Review
Integrated viewer eliminates external workstations

Mixed Carriers
Flexible case loading optimises imager capacity

Sample Detect
Targeted specimen scanning reduces time and file size†

Dashboards & Reports
Customisation allows comprehensive tracking of KPIs

Local & Remote Review
Digitally connected network reduces geographical barriers

Genius™ **Cervical AI**
FDA cleared artificial intelligence increases Pap screening sensitivity

Unified System
Comprehensive solution offers imaging, storage, and review

System Specifications

Genius™ Digital Imager

Slide & Carrier Capacity	400 slides / 10 carriers		**Power Supply Voltage**	100 - 240 volts alternating current
Image Resolution / Format	0.25 µm per pixel / TIFF		**Weight**	230 lbs. (104 kg)
Barcode Reading	7/7 OCR, 1D, 2D (lab-wide configurations possible)		**Dimensions**	25.5" (65 cm) H x 31.5" (80 cm) W x 28" (71 cm) D
Slide Types	3"x1" microscope slides, ThinPrep® microscope slides			

Genius™ Image Management Server

Server & Capacity	Full RAID 10 configured server, 80 TB		**Supported Monitor**	28" (714 mm), 8-megapixel Barco Monitor
Required Network Speed	10 Gbps to Digital Imager		**Magnification**	4x - 40x
Remote Support Available	Yes		**Network Speed & CPU**	1 Gbps / Intel® Core™ i7 2.4GHz (4C, 8T), or faster
Dimensions‡	18.2" (46.2 cm) H x 6.9" (17.5 cm) W x 28.9" (73.4 cm) D		**RAM & Operating System**	16 GB or greater / Windows 10 – 64Bit

Genius™ Review Station

For additional specifications, refer to the associated operator's manuals.

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