



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
Image Resolution / Format	0.25 µm per pixel / TIFF
Barcode Reading	7/7 OCR, 1D, 2D (lab-wide configurations possible)
Slide Types	3"x1" microscope slides, ThinPrep® microscope slides

Power Supply Voltage	100 - 240 volts alternating current
Weight	230 lbs. (104 kg)
Dimensions	25.5" (65 cm) H x 31.5" (80 cm) W x 28" (71 cm) D

Genius™ Image Management Server

Server & Capacity	Full RAID 10 configured server, 80 TB
Required Network Speed	10 Gbps to Digital Imager
Remote Support Available	Yes
Dimensions†	18.2" (46.2 cm) H x 6.9" (17.5 cm) W x 28.9" (73.4 cm) D

Genius™ Review Station

Supported Monitor	28" (714 mm), 8-megapixel Barco Monitor
Magnification	4x - 40x
Network Speed & CPU	1 Gbps / Intel® Core™ i7 2.4GHz (4C, 8T), or faster
RAM & Operating System	16 GB or greater / Windows 10 – 64Bit

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

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* Compared to multi-layer z-stack files.
† Compared to a whole slide image scan.
‡ Dimensions may vary.

The Genius Digital Diagnostic System for digital pathology solution is not CE marked and not currently available for sale.

Reference: 1. Genius Digital Diagnostic System Instruction for use AW-24823-001 002.

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