# Faxitron® Path
## Specimen Radiography System

Faxitron™ Path
Specimen Radiography System

HOLOGIC®

Faxitron Path System also known as PathVision™ System.

## Locate small calcifications in the tissue samples.

The Faxitron® Path system provides you with a large field of view and high-resolution detector. Designed to deliver greater efficiency and exceptional patient care.[1]

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### Convenient Interface

The continuous surface keyboard allows for ease of use. The Faxitron Path system saves images in a variety of file formats, optimising the ability to view tissue samples.

### Improved Efficiency

Waste less time searching and walking – the Faxitron Path system results in a faster final report generation.[1] At a touch of a button send multiple annotated images to PACS.

### Optimal Imaging Quality

Encounter high-resolution imaging that accommodates everything from breast tissue slices and intact mastectomies to bone and fetal remains. Experience optimal image exposure and clarity by imaging both thin slices and large specimens.

# Technical **specifications**

59cm (23in)   54cm (21in)   90cm (35in)

## Electrical Requirements

| | |
|---|---|
| Input Line Voltage | 100-240VAC ±10% |
| Peak Input Power | 200W max |
| Frequency | 50/60Hz |
| Line Connection | Standard line cord and plug - medical grade |

## Physical

| | |
|---|---|
| Construction | Fully integrated system |
| External Dimensions | 59 x 54 x 90cm (23 x 21 x 35in) WxDxH |
| Chamber Dimensions | 39 x 42 x 57cm (15.5 x 16.5 x 22.3in) WxDxH |
| Weight | 188kg (415lbs) |

## Digital Image Receptor

| | |
|---|---|
| Detector Technology | CMOS |
| X-ray Absorption Material | Micro-columnar CsI (Cesium Iodide) |
| Active Imaging Area Size | 23 x 29cm (9 x 11.5in) |
| Pixel Size | 50µm (18.7 million pixels) |
| Limiting Spatial Resolution | 6µm at magnification (up to 40+ lp/mm) |
| Output Image | 14-bit image data |

## Acquisition Workstation

| | |
|---|---|
| CPU | Intel® Core™ i5-8500 (6 Cores) |
| Memory | 8GB RAM |
| Hard Disk | 6.35cm (2.5in) 500GB 5400rpm SATA solid state hybrid drive |
| Storage Media Interface | Media interface 512GB solid state drive |
| Display Monitor | 61cm (24in) high-resolution 3.7MP monitor included |
| Operating System | Windows 10 (64 bit) |
| Network Connection | Integrated Intel I219-LM Ethernet LAN 10/100/1000 |
| DICOM Services | Store, print, annotate and modality worklist capabilities |
| User Interface | Mouse and keyboard |

## Image Display

| | |
|---|---|
| Image Display | Optimised display of surgical and pathological specimens, preset and manual window/level, invert |
| Visualisation Enhancement | Optional visual enhancement |
| Magnification | 1.5:1, 2:1, 3:1, 4:1, 5:1, and 6:1 |
| Annotations | Ellipse, arrow, ruler, text box, comments |
| Multi-up | 1, 2, 3 or 4 up display |
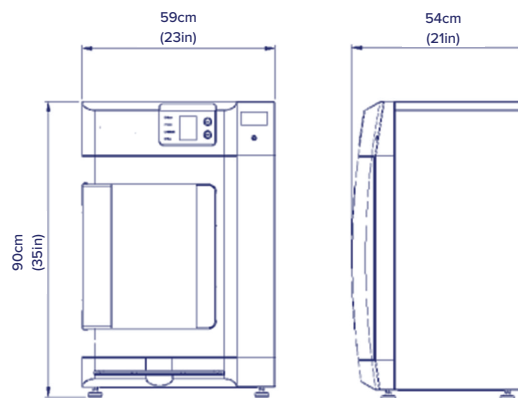
## X-ray Source

| | |
|---|---|
| Energy Range | 20-100kV |
| Anode Material | Tungsten (W) |
| Tube Current | 0.3mA max (limited to 12W) |
| Exposure | Up to 20mAs |
| Focal Spot Size | <15µm |
| X-ray Window | 0.25mm (0.010in) Beryllium |

## Exposure Modes

| | |
|---|---|
| Manual | User selects time and kV |
| Auto | System determines optimum kV and mAs |

## Cabinet

| | |
|---|---|
| Safety Features | Physical key, door equipped with dual safety interlocks, fully shielded |
| Indicators | Power, door closed, ready, X-ray on, audible tone during X-rays |
| Emergency Stop | Available |
| Lighting | Integrated LED light inside chamber |
| Internal Digital Camera | Integrated optical camera |
| Radiation Emission Limits | Less than 0.1 mR/hr at 5cm (2in) from exterior surface at maximum kV |

## Optional Equipment

Faxitron® Path table

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**References: 1.** Arudra, S. K. C., Garvey, L. C., & Hagemann, I. S. (2021). In-laboratory breast specimen radiography reduces tissue block utilization and improves turnaround time of pathologic examination. BMC medical imaging, 21(1), 59. https://doi.org/10.1186/s12880-021-00589-1