



# Trident® HD Specimen Radiography System

**Precise. Efficient. Intuitive.**

With the Trident® HD Specimen Radiography System, you know with certainty.

When it comes to performing breast conserving surgeries or stereotactic breast biopsies, nothing is more important than being sure.

**Have the markers been captured? Are the margins clear? Are the targeted calcifications visible?**

Now you can have highly detailed imaging for rapid verification, right in the OR or procedure room. Sleek, modern, ergonomic design yields a footprint that's 37% smaller than the original Trident, making it easy to maneuver in a crowded room. Imaging area is 71% larger to accommodate the widest range of excisions.

**No transporting the specimen to another room for imaging. No waiting for margin confirmation. No costly scheduling delays.**

Faxitron™  
**Trident® HD**  
Specimen Radiography System



## Exceptional image quality

- The only specimen radiography system to take advantage of amorphous selenium direct capture imaging to generate crisp, clear, high resolution biopsy images that inspire confidence.
- Same detector technology as the market leading Dimensions® platform.
- Automatic Exposure Control (AEC) optimized for breast excisions and core biopsies.



## Improved workflow

- Instant verification results in reduced procedure time, and improved workflow.
- Fast procedure time without the need to wait for margin confirmation.
- Intuitive user interface and software-driven controls eliminate steps, simplify staff communication, and encourage collaboration
- Minimal steps at the point of care reduce patient procedure time.
- Compare specimen image with original mammogram or biopsy on one screen.



## Ease of use

- User friendly control panel and software interface with a robust tool set including annotate, measure, magnification, zoom, and more.
- Modernized with touchpad controls and enclosed design for easy cleaning and a smaller footprint to maximize OR space.
- Easy integration into your facility and WiFi with the ability to send to the SecurView® DX workstation or PACS with one button.

# Technical Specifications

## Electrical Requirements

Input Line Voltage	100-240 VAC
Peak Input Power	600 W
Frequency	50/60 Hz

## Physical

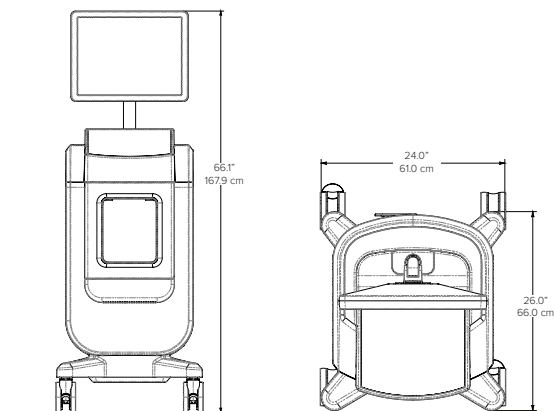
Construction	Fully Integrated System with movable base casters
Dimensions	66.5" H, 24" W, 26" D
Weight	291 lbs.

## Digital Image Receptor

Detector Technology	TFT-based direct capture technology
X-ray Absorption Material	Amorphous selenium
Active Imaging Area Size	16 x 18 cm
Pixel Size	70 µm pixels
Limiting Spatial Resolution	7.1 lp/mm in 1.0x contact mode
Output Image	14-bit image data

## Acquisition Workstation

CPU	Multi-core Intel
Memory	8 GB RAM
Hard Disk	Solid State Drive 512GB
Storage Media Interface	USB 3.0
Display Monitor	2MP High luminescence diagnostic monitor
Operating System	Windows 10
Network Connection	Network Connection 10, 100, 1000-Base-T; Wireless 802.11a/b/g/n/ac 2.4 and 5ghz bands
DICOM Services	Worklist, print, storage, query, retrieve
User Interface	Touchscreen, Touch Pad



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## Image Display

Image Processing	Optimized display of core and surgical specimens, preset and manual window/level, invert
Visualization Enhancement	Five user-selectable levels of image sharpening
Magnification	Magnifying glass, continuous image zoom
Annotations	Ellipse, arrow, ruler, text box, comments
Multi-up	1-, 2- and 4-up. Ability to download prior images and display in split screen side by side.

## X-ray Source

Energy Range	20-50 kV
Anode Type	Tungsten
Tube Current	1 mA
Exposure	Up to 20 mAs
Focal Spot Size	< 55 µm
Filtration	200 µm beryllium

## Exposure Modes

Manual	User selects kV and mAs
Auto	System determines optimum kV and mAs

## Cabinet

Safety Features	User login required, door interlock, fully shielded
Indicators	Power, door closed, ready, x-ray on
Magnification	Specimen tray positions at 1.5x and 2.0x, auto-sensed
Other	Lighted cabinet with shielded viewing window on door (Laminated RD30 leaded glass, 0.5 mm pb equiv.), easily cleaned

## Accessories

Specimen tray
User manual, quick start guide, training videos, service and cleaning

## Optional Equipment

Handheld barcode scanner
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