



Technical Specifications

Compatibility

- 1.5T Vantage Atlas™ and 1.5T Vantage Titan™

Interventional Access

- Variable Coil Geometry
- Lateral approach accessibility for biopsy:
 - 70 cm bore: 387.26 cm²
 - 60 cm bore: 352.71 cm²
- Medial approach accessibility for biopsy:
 - 70 cm bore: 311.36 cm²
 - 60 cm bore: 276.82 cm²
- Bilateral intervention capable
- Biopsy vendor compatible: Ethicon Endo-Surgery, Hologic, SenoRx, Bard

Patient Accommodation

- Volume per breast (70 cm bore): 8944 cc
- Volume per breast (60 cm bore): 8124 cc
- Distance from sternum to bore (70 cm bore, Titan): 35 cm
- Distance from sternum to bore (60 cm bore, Atlas): 30 cm
- Arms at side, arms back or arms forward positioning
- Adjustable headrest
- Patient pads: 9 with memory foam
- Patient weight: up to 200 kg

Imaging Capabilities

- Parallel imaging
- Sub-millimeter isotropic voxels
- Bilateral
- Spectroscopy enabled
- Diffusion weighted imaging enabled

Other Features

- Riser for 70 cm bore
- Sterile single use biopsy grids

Training

- 6.0 Category A Continuing Education Hours with initial applications training on imaging and intervention



Sentinel **Vanguard® T-Series**
The Next Generation in Breast MRI

At Sentinel Medical, we are dedicated to solving the real problems that radiologists, technologists and surgeons encounter in the detection and treatment of breast cancer. Our suite of advanced technologies for breast Magnetic Resonance Imaging (MRI) and intervention – including high performance coils, throughput-enhancing patient stretchers and innovative software solutions – creates an integrated, flexible and dedicated system, second to none.

For more information and to purchase a product, please contact Sentinel Medical at 1-866-735-3744 or mail to: sales@sentinelmedical.com

www.sentinelmedical.com

Better Breast Cancer Management...
For your **patients**, for your **practice**

Sentinel Medical Inc. reserves the right to make changes in features shown herein, or discontinue the product described at any time without notice.

11/08 SMI-T-Series 01



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Confidence in Diagnosis. Accuracy in Intervention.



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The **Sentinelle Vanguard T-Series** leverages an innovative patient support design with unique **Variable Coil Geometry™** to transform your Toshiba MRI into a dedicated system for breast MR imaging and intervention. With features not available in traditional breast MRI coils, this next-generation system optimizes imaging and access, patient care and comfort, and practice efficiency.

Full access

The open design of the Vanguard patient support allows maximum access to the breast for ease of positioning. Coils can be adjusted for different sized breasts and different areas for intervention and the coils can easily be moved medially and laterally, as well as anteriorly and posteriorly, providing the greatest flexibility in coil and grid placement. This permits optimal access for targeting in all quadrants of the breast. The T-Series is universally compatible with leading biopsy devices and localization needles.

Patient care and comfort

Our patient-centric patient support features state-of-the-art ergonomics to comfortably accommodate patients of all sizes, with arms at side and arms over the head positioning. In combination with Toshiba's open bore MRI systems, this unique coil design maximizes patient space which can increase access to a larger patient population; reduce anxiety and improve the patient's experience. Patient comfort can greatly reduce artifacts due to patient movement, resulting in better imaging.



High quality imaging

Our unique Variable Coil Geometry allows imaging coils to be customized for each breast of every patient, which improves signal-to-noise ratio over fixed coils. This results in the ability to resolve detail in morphology which can lead to better breast cancer management and treatment options.

Workflow efficiency

Patients can be positioned comfortably and quickly with the Sentinelle Vanguard T-Series. The ability to customize coil and biopsy grids to every patient can decrease set up time, increase patient accommodation and improve access to lesions for biopsy. Coil configurations are interchangeable for each application while using a common patient support.

