

Sentinelle **Vanguard**® for Siemens  
The Next Generation in Breast MRI



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



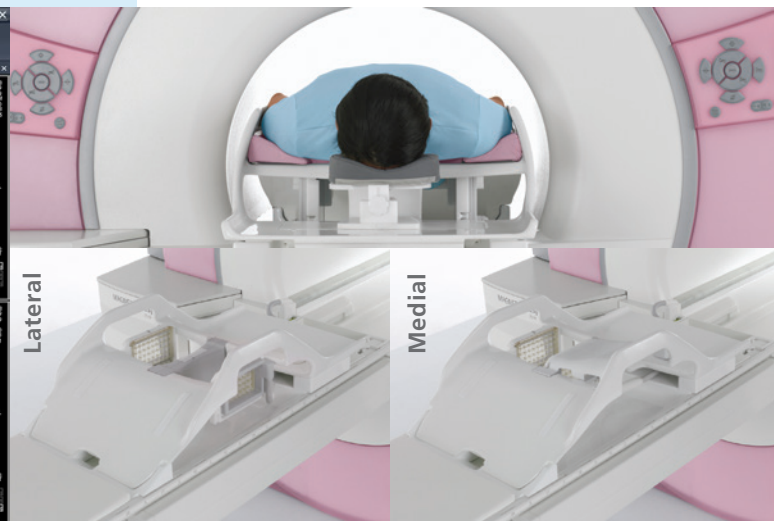
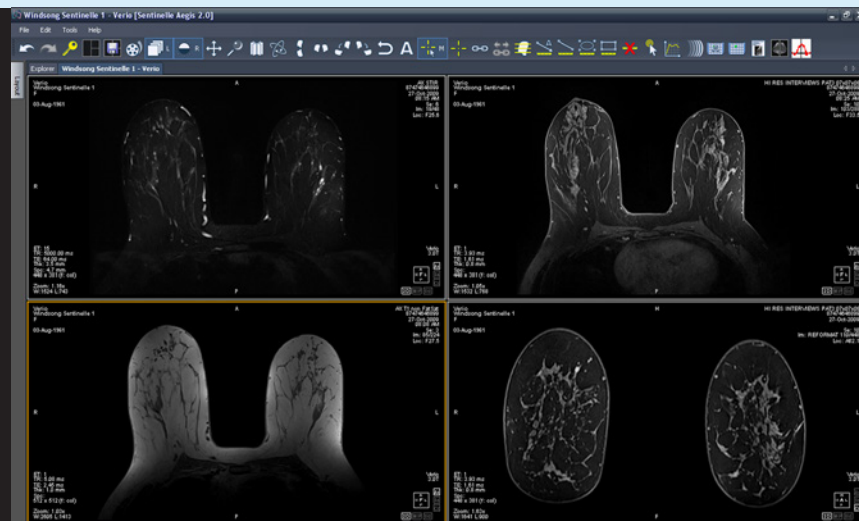
# Advanced Imaging and Interventional Solution

The **Sentinelle Vanguard for Siemens** leverages its innovative patient support design with unique Variable Coil Geometry™ to transform your Siemens 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.



## Workflow efficiency

Patients can be positioned comfortably and quickly, thanks to customizable coils and biopsy grids. This can decrease set up time, increase patient accommodation and improve access to lesions for biopsy. The coil configurations may be customized for each application without removing the patient.



## High quality imaging

Our unique Variable Coil Geometry allows imaging coils to be customized for each breast of every patient. The Vanguard's impressive image quality is the result of more than ten years of R&D focused on optimizing breast MRI. Fine tuning the imaging in each breast permits visualization of subtle morphology and fine detail. In addition, our new 3.0T coils ensure your practice is equipped for the future.

## Full access

The open design of the Vanguard patient support allows maximum access to the breasts for ease of positioning and intervention, while coils can be adjusted for different sized breasts and different areas for intervention. The coil elements adjust in left-right and anterior-posterior directions, providing the greatest flexibility for imaging and biopsy. The Sentinelle Verity™ angled biopsy device increases access to the patient's breast, allowing you to target lesions inaccessible by a standard grid-based approach. The Sentinelle Vanguard is universally compatible with leading biopsy devices and localization needles.



## Patient care and comfort

Our workflow-optimized patient support features optimal ergonomics to comfortably accommodate patients with the widest variety of body types. In combination with Siemens 60cm and 70cm 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 image artifacts from patient movement, resulting in improved image quality and fewer repeated scans. A premium headrest enhances comfort with line-of-sight mirrors, tilt and elevation control.



# Technical Specifications



Available Vanguard Systems		Interventional Access**		Patient Accomodation				Features							
Scanner	Imaging Channels	Lateral Approach	Medial Approach	Volume per Breast	Episternal Distance	Arm Positioning	Patient Pads	Parallel imaging	Sub-mm isotropic voxels	Bilateral	Spectroscopy enabled	DWI enabled	Riser for 70cm Bore	Mirrors on headrest	Sterile biopsy grids
MAGNETOM® Avanto 1.5T	8	270cm <sup>2</sup>	203cm <sup>2</sup>	4470cc	30cm	Arms at side or forward	11	✓	✓	✓	✓	✓		✓	✓*
MAGNETOM® Symphony, a TIM™ System 1.5T (Total Imaging Matrix)							11	✓	✓	✓	✓	✓		✓	✓*
MAGNETOM® Trio 3T		11	✓	✓	✓		✓	✓		✓	✓*				
MAGNETOM® Espree 1.5T		11	✓	✓	✓		✓	✓	✓	✓	✓*				
MAGNETOM® Verio 3T	320cm <sup>2</sup>	253cm <sup>2</sup>	6754cc	35cm	11		✓	✓	✓	✓	✓	✓	✓	✓*	
MAGNETOM® ESSENZA 1.5T	4	203cm <sup>2</sup>	150cm <sup>2</sup>	3183cc	30cm		10	✓	✓	✓		✓			✓

NEW!

NEW!

NEW!

\* The imaging-only configuration does not contain sterile biopsy grids. See your Sentinelle Medical Sales representative for upgrade options.  
 \*\* These measurements are for a standard grid-based approach. The Sentinelle Verity angled biopsy device increases biopsy access.

At Sentinelle 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 and intervention – including high performance coils, throughput-enhancing patient supports and innovative software solutions – creates an integrated, flexible, and dedicated system, second to none.

The Sentinelle Vanguard is also available in an imaging-only configuration for 1.5T and 3T scanners. Get advanced high-quality breast imaging now with the ability to upgrade to interventional capabilities when you are ready.

To complete your interventional tool suite, ask your Sentinelle Medical sales representative about Sentinelle's Aegis™ 4D Advanced Visualization software.

**For more information and to purchase a product, please contact Sentinelle Medical at 1-866-735-3744 or mail to: [sales@sentinellemedical.com](mailto:sales@sentinellemedical.com)**

[sentinellemedical.com](http://sentinellemedical.com)

Products described herein may not be commercially available in all countries - pending regulatory clearances.

Sentinelle Medical Inc. reserves the right to make changes in features shown herein, or discontinue the product described at any time without notice. Product may not be as shown.

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**MEDICAL**

**Confidence in Diagnosis. Accuracy in Intervention.**