Introducing Artis **zee**
for Interventional Radiology.

There's so much more to **zee**.

[www.siemens.com/healthcare](http://www.siemens.com/healthcare)
The field of Interventional Radiology has never been more demanding. To enhance patient outcomes and remain on the cutting edge, you need a system that enables you to care with greater speed, efficiency, and precision.

The answer is Artis zee®, a major advance in interventional imaging that supports you in three critical areas. Its innovative new Artis zee imaging chain offers outstanding image quality, so you can make better clinical decisions. Its workflow enhancements help your clinical team function more efficiently. And it is an investment you can make with confidence, backed by one of the industry’s most comprehensive customer care programs, Life. Life continuously develops your skills, productivity, and technology.

In an increasingly competitive healthcare marketplace, Artis zee gives you the versatility and advanced capabilities you need to deliver enhanced, faster, and more effective care.
The Artis zee multi-purpose system features a flexible architecture with versatile clinical applications for performing both angiography and fluoroscopy examinations.

Artis zee biplane with mixed detectors (20 x 20 and 30 x 40) allows the utilization of the smaller lateral FD in combination with the larger a.p. detector.

The Artis zee biplane system with two large (30 x 40) detectors offers excellent coverage and flexibility for the complete applications spectrum, including neuro, spine, and abdominal, as well as pediatric imaging.

The Artis zee floor-mounted system features a large flat detector and offers excellent performance for unrivaled clinical workflow.

The Artis zee multi-purpose system features a flexible architecture with versatile clinical applications for performing both angiography and fluoroscopy examinations.
Artis **zee**go is the revolutionary, multi-axis system that enables variable working height and delivers large volume image results to meet your current and future imaging needs.

The Artis **zee** ceiling-mounted system features a large flat detector and affords easy patient access and full body coverage.

The Artis **zee** family includes a full portfolio of systems to meet virtually any interventional imaging need.
Artis zeego® part of the new Artis zee family is a revolutionary, multi-axis system for interventional radiology. It offers a variable working height and enables large volume 3D imaging. Artis zeego® can be positioned with greater flexibility and precision than a conventional system, making it an ideal solution for hybrid rooms.

Open this flap to see the rest of the Artis zee family.
Take a good look.

Improved visualization with the least possible dose.

Enhanced clarity. Artis zee features key advances that significantly improve the clarity of live fluoro, roadmap, and reference images, and greatly enhance the visualization of stents, their meshes, coils, and guidewires.

- Intelligent noise reduction enhances not just the reference image, but the fluoroscopy image during live fluoro — without an increase in dose.
- Advanced temporal filtration uses an intelligent motion detection algorithm to separate moving from non-moving structures in real time.
- Enhanced processes to deliver outstanding roadmap imaging results.

See the finest detail with 2K Imaging. 2k Imaging, combined with a true micro focus, provides four times the information and twice the resolution for pre- and post-overview imaging. It offers excellent visualization of the finest structures and enables you to zoom your image without loss of detail.

Enhanced imaging with reduced radiation

We CARE about dose reduction. Our CARE (Combined Applications to Reduce Radiation Exposure) package reduces the radiation dose for patients and the clinical team, while still providing high image quality and diagnostic confidence.
The Artis zee imaging chain enables improved visualization of therapeutic devices, as well as a range of advanced applications — from cross-sectional imaging of soft tissue at the tablesie to enhanced guidance tools — that enables you to care with greater speed and precision.

**Enhanced 3D imaging for greater precision.**

**Soft tissue imaging at the tablesie.**
syngo® DynaCT is a unique form of rotational angiography that uses special reconstruction algorithms to generate, cross-sectional images in less than one minute, directly at the tablesie. syngo DynaCT supports the clinician in RF ablations, vertebroplasties, drainages, speeds up and simplifies chemoembolization, and provides visualization of:

- Hemorrhages
- Tumors
- Ventricular system of the brain
- Stent placement

When used with Artis zeego, the advanced multi-axis system, syngo DynaCT provides:

- Large volume coverage that rivals a traditional CT scanner; ideal for obese patients.
- Portrait volume imaging; ideal for liver, spine, and carotids.

**exposure.**

- CAREVISION provides pulsed fluoroscopy during lengthy examinations to reduce radiation dose.
- CAREPROFILE enables the radiation-free positioning of all collimators and filters for dose reduction.
- CAREPOSITION enables you to reposition the patient under visual control without radiation.
- CAREFILTER is a specially designed copper prefiltration system that automatically adjusts the filter to the patient’s anatomy.
**Enhanced 3D visualization and intuitive guidance.**

**Dual-volume visualization with syngo iDentify.** syngo iDentify provides simultaneous visualization of dual-volume high-contrast imaging or one high and one low-contrast data set. It saves time, simplifies procedures, and is an ideal tool for providing a baseline for surgery. With syngo iDentify you can:

- Differentiate between contrast-filled vessels and bones, stents, and coils;
- Evaluate stent deployment in complicated vessel pathologies;
- See the anatomical structure of tumors in combination with feeding vessels;
- Identify complicated atypical vessel structures; and
- Visualize calcification next to contrast-filled vessels.
Integrated needle guidance with syngo iGuide. Artis zee’s syngo iGuide frees up your CT by facilitating efficient needle procedures right in the interventional suite. By taking you through its intuitive workflow, syngo iGuide clearly displays the length and angulation of the needle path and automatically positions the C-arm so you can plan the needle path, determine skin entry point, and control needle progression in one fluid process.

Enhanced device guidance for cerebral coiling with syngo iPilot. syngo iPilot provides a simultaneous display of the live fluoro, roadmap or acquisition image and a matching 3D reconstruction to facilitate guidance during interventions. The system updates dynamically to movements of the C-arm, table, zoom, and source-to-image distance to facilitate efficient workflow during interventional procedures. syngo iPilot is invaluable for:

- Enhancing decision making;
- Improving confidence during complex procedures; and
- Aiding in verifying the results of neurological and other interventions, such as the correct placement of coils in aneurysms.

Effective guidance with syngo iPilot. syngo iPilot provides a simultaneous display of the live fluoro, roadmap or acquisition image and a matching 3D reconstruction to facilitate guidance during interventions. The system updates dynamically to movements of the C-arm, table, zoom, and source-to-image distance to facilitate efficient workflow during interventional procedures. syngo iPilot is invaluable for:

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Intuitive needle procedures for liver biopsies with syngo iGuide.
Don’t work harder than you have to.

As demand for interventional procedures increases, so does the need for your clinical team to function more efficiently. Artis zee meets the challenge with new, ergonomically designed controls that streamline workflow through every phase of care delivery.

The new Artis zee slimline full tableside control panel features intuitive syngo icons, which are easier to use. The new mouse-like control is easier to operate. Due to its modular design, it can be flexibly positioned to maximize operator comfort. The new menu-driven workflow enables faster acquisition and display of 3D images. To improve efficiency, the system automatically moves into the start position, eliminating the need for the operator to select the position manually. Organ-specific visualization presets are linked to the respective acquisition protocol. The operator can select from a wide range of user-defined presets to obtain fast and consistent results, including high-contrast results in real time and soft tissue results at the tableside in less than a minute.
Healthcare providers are recognizing the benefits of performing both minimally invasive surgical procedures and traditional angiographic procedures in the same room. These hybrid rooms enable elective image-guided surgery, one-stop pre- and post-operative imaging, and endovascular therapy.

Artis zee systems are designed to conform to the requirements of surgery, anesthesiology, and radiology, and provide efficient space and equipment management in sterile conditions while enabling excellent imaging results.
Position flexibility — Artis zee systems can be operated from tableside with wireless foot switches or voice control, depending on your clinical needs. The system table supports both lateral and longitudinal tilt, matching the demands of a hybrid environment.

Image quality — Artis zee systems have the power output to enable the high-resolution digital subtracted angiography, continuous and pulsed fluoroscopy, roadmapping, and 3D visualization required for surgical procedures.

Accessories — Artis zee supports OR-specific accessories such as anesthesia curtain holders. The table accessory rails accommodate arm supports, head holders, anesthesia equipment, infusion bottle holders, trays, and other surgical equipment.

Patient management — Advanced 3D imaging applications enhance decision-making during procedures and can eliminate the need to transfer patients to CT.

Meet zeego, the world’s most flexible surgical assistant.

Artis zeego, the revolutionary, multi-axis system is also ideal for angiographic procedures in the operating room. It offers more flexibility than conventional systems, and its variable working height makes procedures much more comfortable for the clinical team. Artis zeego also features special park positions that allow easier access to the patient.

Artis zeego’s outstanding ergonomics enables you to perform hybrid procedures with more efficiency, precision, and comfort. And, Artis zeego can be stowed in a variety of compact positions to make the most of the limited space available in OR environments.

Due to its multiple axes, Artis zeego offers exceptional flexibility for complete head-to-toe coverage and the advantage of a variable working height for reducing fatigue.
Looks good on the bottom
A new interventional imaging system represents a substantial investment for any healthcare enterprise. Artis zee was specifically designed to provide value for your investment today and in the years ahead.

Fast, efficient, and precise care.
Artis zee’s advanced 3D imaging capabilities enhance the decision-making of clinicians and facilitate faster and more effective procedures. Its ergonomic controls streamline workflow and improve patient throughput. The system’s ability to generate cross-sectional images enables clinicians to perform minimally invasive procedures in the OR and frees up your CT for other diagnostic cases. In fact, your CT can do many more diagnostic scans in the time it would take to perform a single CT-guided procedure.

Your investment in a new Artis zee marks the beginning of an important relationship that will last over many years. Siemens is proud to offer you tailored selection of programs and services that will help provide imaging excellence, enhance your workflow and give you investment confidence.

Life is a learning opportunity.
From installation planning to turnover you will benefit from our experienced and highly competent project management team. Our world-class onsite applications training will help to ensure that you realize the full imaging and workflow potential of your new Artis zee. Dedicated e-learning helps to maintain knowledge levels, and offers access to useful tricks and tips 24/7.

Plus a wide range of international clinical workshops and fellowships in radiology and cardiology are also available should you wish to further expand your clinical knowledge, or widen your diagnostic and treatment portfolio.

Staying ahead of the curve.
As an Artis zee customer you can also benefit from the most modern proactive service technologies, including the Guardian Program, which significantly reduces unplanned downtime by detecting potential problems before they occur.

Looking forward.
Your new Artis zee has been designed with the future in mind, and Siemens is committed to sharing that future with customers who invest in Artis zee. syngo Evolve for Artis zee is your investment in the future, today. Opting for syngo Evolve for Artis zee will enable you to participate in future innovations via a managed upgrade program, providing investment confidence by helping you to stay at the cutting edge of imaging excellence and enhanced workflow.
Siemens has been expanding the boundaries of radiology for more than a century. Over the decades, we have developed innovations that have made diagnostic imaging faster, and more effective, and that have enabled millions around the world to live longer lives. Artis zee is the latest illustration of that legacy of forward thinking. And as medical science continues to explore the possibilities of interventional imaging, Artis zee will be ready to help you translate that progress into higher levels of care.
Not all features mentioned are necessarily standard
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