

MAGNETOM Verio eco

Proven 3T clinical imaging



→ siemens-healthineers.us/magnetom-verio-eco



Proven 3T clinical imaging.

MAGNETOM® Verio eco. It's the first 3T MRI system with a 70 cm Open Bore. More than 600 installations establish this system as benchmark. A benchmark for image quality worldwide. Proven 3T Tim® (Total imaging matrix) technology. Remarkable patient comfort. A wide range of clinical applications. Simply proven 3T clinical imaging.

This achievement is now extended with Dot® (Day optimizing throughput). The next movement in MRI. With this movement, MAGNETOM Verio eco brings 3T to the next level of productivity.

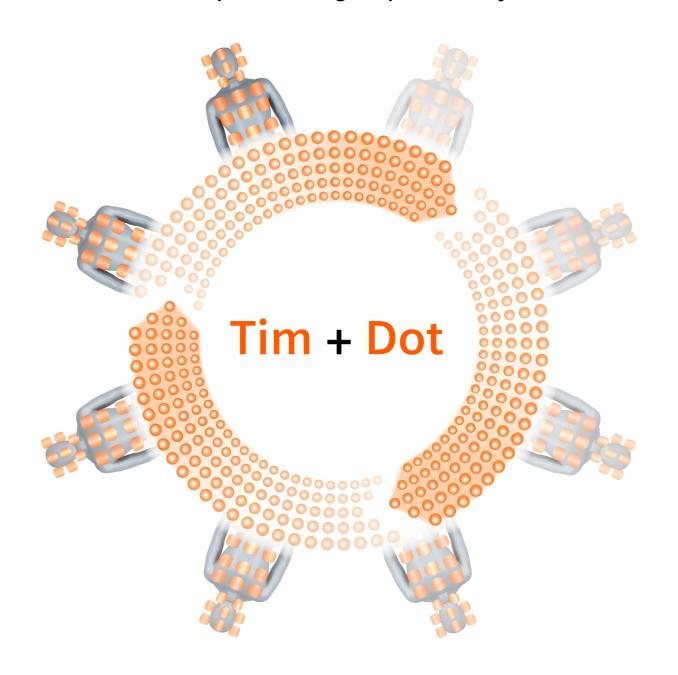
MAGNETOM Verio eco with Tim+Dot. A proven performer. Demonstrating the power of 3T clinical imaging.





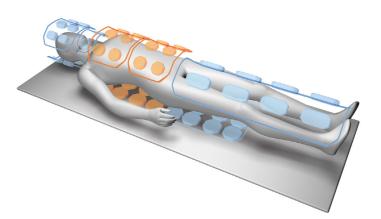
Tim+Dot integrated

Tim+Dot are the direct response to today's demanding world of healthcare economics. Tim is Siemens' ultimate innovation technology that unlocks imaging power like never before. Dot helps take the complexity out of MRI. And at the same time it enables up to 50%² higher productivity.



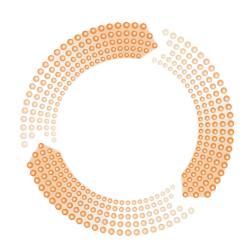
Together, they redefine productivity.

Tim – sets the standard in MRI



Tim advances MR imaging. With flexibility, accuracy, and speed. It seamlessly integrates a maximum number of 102 channels* and provides up to 32 independent RF channels that can be used simultaneously in one single scan and in one FOV, each generating an independent partial image. It escalates image quality and acquisition speed to a whole new level. With Tim's whole-body coverage, repositioning patients for multiple exams is no longer necessary. Think more exams per day. Every day.

Dot - the next movement in MRI



Dot offers patient personalization, user guidance, and exam automation. It helps take away the complexity of MRI scanning. By enabling greater image consistency, reproducibility, and diagnostic confidence. It offers greater ease-of-use. And a day that's more productive than ever before.

Flexibility

Select exams, not coils. Tim is adaptable, versatile, and easy. For faster exams and greater diagnostic confidence. Improving workflow and increasing productivity.

Accuracy

Local and total. With extreme, pinpointed precision, Tim delivers excellent image quality – from small lesions to the whole body.

Speed

Time is precious. Tim speed means faster and simpler exam set-up, and a dramatically shorter acquisition time. Now patient volume – and daily productivity – can really soar.

*Channels (coil elements) that can be connected simultaneously.

Personalized

Dot allows for uniquely tailored, optimized scans adaptable to the patient or clinical question, and according to the standards of care.

Guided

Dot provides step-by-step user guidance for greater efficiency, excellent image quality, and consistency.

Automated

With intelligent workflows customized to the standards, Dot delivers a degree of automation that takes efficiency to a whole new level.



Dot is the next movement in MRI. And Dot engines are the driving force within this movement. With specialized Dot engines for many MRI exams, Dot helps to take the complexity out of MRI scanning. For seamless workflow automation. Resulting in greater efficiency, reproducibility, and consistency. With MAGNETOM Verio eco, the following Dot engines are available: Brain, Knee, Abdomen, Cardiac, Angio, TimCT Angio, and TimCT Onco.

Experience Dot yourself:

≯ Learn more

Brain Dot Engine



Personalized exam strategies help to adapt the examination to patient condition or clinical questions. Also when conditions change during the examination.

Knee Dot Engine



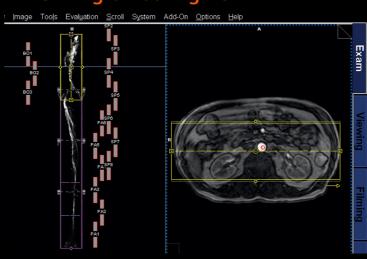
MPR alignment guidance helps to increase consistency.

Cardiac Dot Engine



AutoAlign Heart makes cardiac exams easier than ever.

TimCT Angio Dot Engine



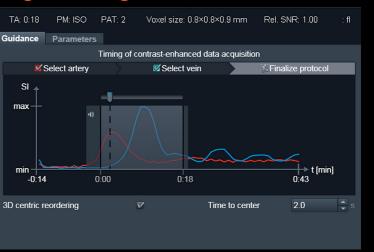
Two Siemens Healthineers-unique technologies TimCT (Continous Table movement) and Dot enable large Field-of-View applications with smooth workflow.

Abdomen Dot Engine



Automated Bolus Detection helps to increase timing accuracy by up to 28%².

Angio Dot Engine



Step-by-step user guidance through the Test Bolus data acquisition.

TimCT Onco Dot Engine



Fast and seamless scanning with excellent image quality.

Proven openness.

Patients and referring physicians demand high quality examinations. Including a comfortable exam experience. And, in the end, they want assurance that the diagnosis is the most accurate possible. MAGNETOM Verio eco offers a very generous 70 cm Open Bore. To enhance patient comfort. To enable customers to expand care. Reaching a wider range of patients.

Increase patient comfort by the combination of 173 cm ultra-short system length with 70 cm Open Bore:

- Fewer claustrophobic rejections
- Decreased anxiety-related motion
- Reduced sedations and more flexible positioning for patients with pain or mobility issues
- More exams possible with the patient's head outside the bore

Expanding care to a wider range of patients:

- Obese population (up to 250 kg or 550 lbs)
- Claustrophobic patients
- Pediatric¹ and elderly patients
- ICU patients or those dependent upon medical equipment

Broadening clinical possibilities:

- Easy access in interventional MRI
- Opportunities to perform more kinematic studies

TrueForm Magnet and Gradient design

Enabling imaging of large volumes with Open Bore and short magnet design. Without compromising spatial resolution or speed.

- Cylindrically optimized homogeneity volume corresponds better to the true form of the human body
- Better fat saturation coverage
- Less overlap needed for large Field-of-View exams

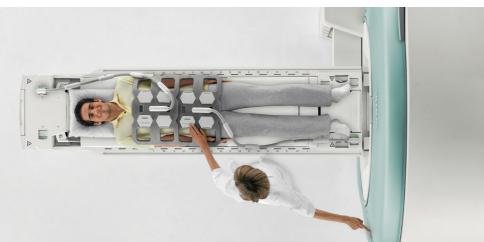
TrueForm RF design

Unique TrueForm RF design includes innovative techniques in the RF excitation hardware. These features deliver uniform RF distribution over all body regions. Resulting in excellent B1 homogeneity.

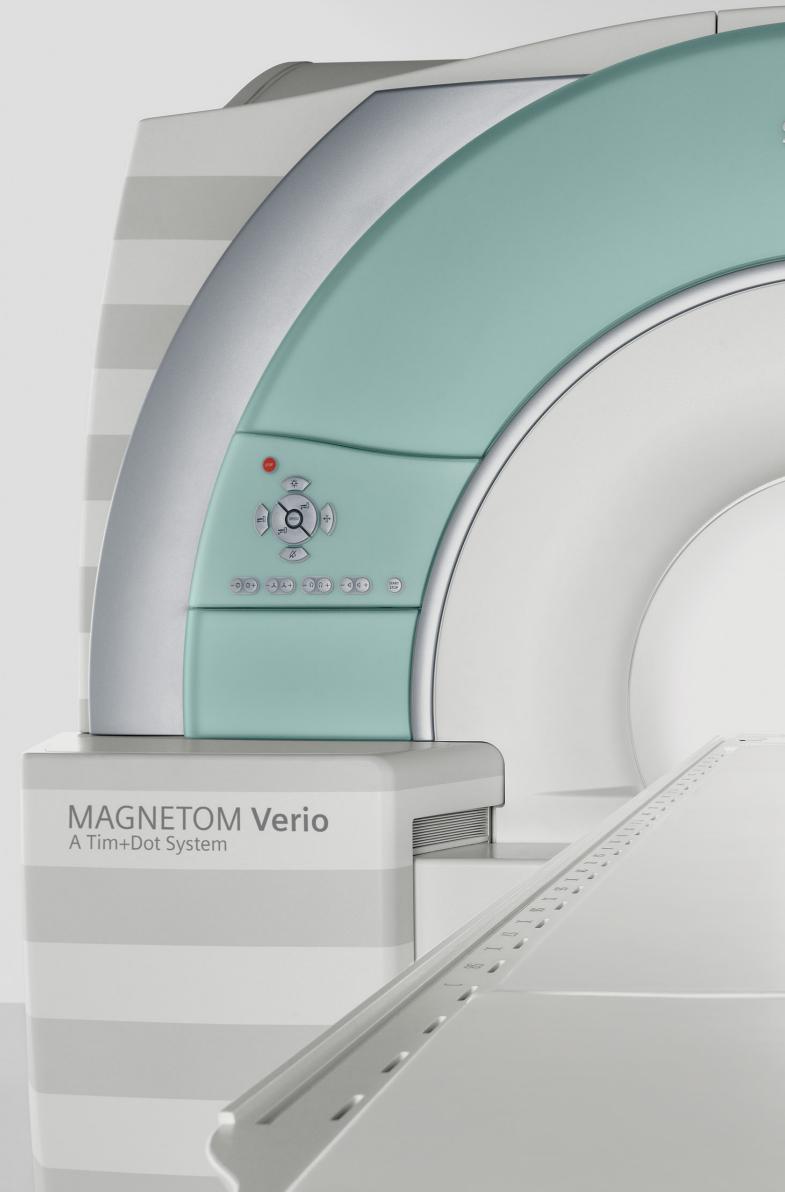
- Optimized amplitude and phase transmission settings for different body regions
- Novel application and processing features

TrueForm design was pioneered and introduced by Siemens Healthineers. It is the result of numerous technological innovations. Perfectly addressing the need for field homogeneity.









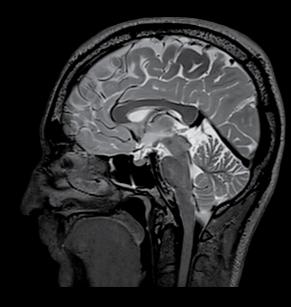


The proven performer.

MAGNETOM Verio eco with Tim+Dot simply makes no compromise. It proves the combination of exceptional image quality and patient comfort. MAGNETOM Verio eco features a comprehensive application portfolio. Reaching from routine to dedicated exams. As the trendsetter in the industry, Siemens Healthineers syngo® MR applications help to achieve diagnostic confidence. A diagnostic confidence that was never before possible.

syngo SPACE

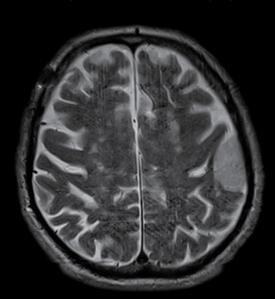
Fast, accurate 3D imaging in all contrasts. Identification of accurate plan locations with retrospective slice positioning on the isotropic dataset. All possible with *syngo* SPACE.

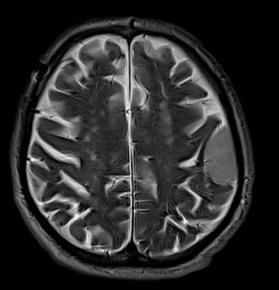


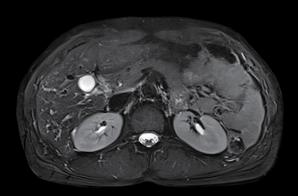


syngo BLADE

Eliminating motion for robust image quality. In neurological, orthopedic, and body procedures with *syngo* BLADE.







syngo GRAPPA

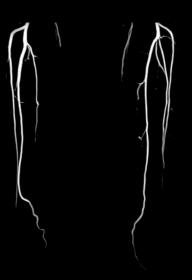
Shorter breathholds. Increased throughput. More speed and temporal resolution with *syngo* GRAPPA.





syngo TWIST

Enabling fast 3D tracking of dynamic processes and 4D angiography. Obtaining arterial and venous phases in one scan. Providing robust bilateral MRA with good spatial resolution. The solution is *syngo* TWIST.



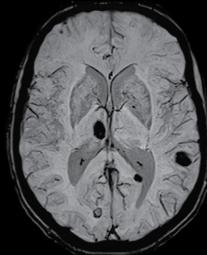








Comprehensive visualization of intracranial bleeding. Including blood products and venous structures. Improved visualization of contusions, shearing injuries and minute intracranial vascular malformations. All enabled by *syngo* SWI (Susceptibility Weighted Imaging).

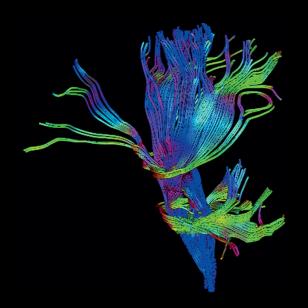


Proven 3T clinical imaging. Always secure, always ahead.

With the power of Tim+Dot, MAGNETOM Verio eco helps develop new approaches to clinical care. Beyond that, it streamlines the entire radiology process. Tim is proven by more than 6,000 installations. With Tim, Siemens Healthineers brought MRI to the next level. Now, MAGNETOM Verio eco brings even more diagnostic confidence and innovation leadership. With Dot as the next movement in MRI.

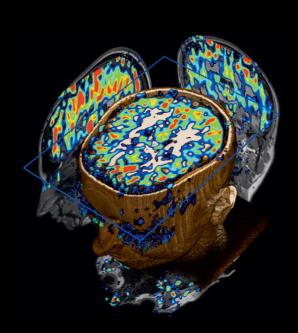
syngo DTI

Better visualizations of brain connectivity and improved preoperative screening. One or two clicks reveal full 3D fiber-views. syngo DTI (Diffusion Tensor Imaging) can be acquired with up to 256 diffusion directions. Enabling ultra-high resolution tractography.



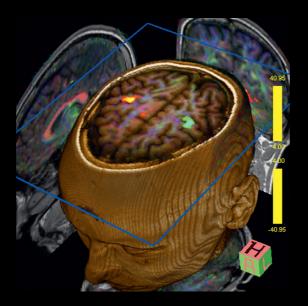
syngo ASL

Non-contrast enhanced perfusion imaging. Evaluation of cerebral blood flow, brain function, and physiology with *syngo* ASL (arterial spin labeling).



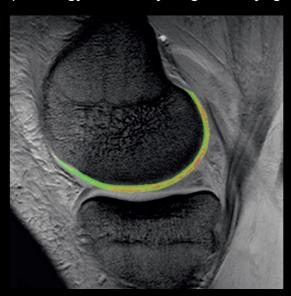
syngo fMRI

Functional MRI solutions made easier to perform, easier to interpret, and easier to analyze. Due to Inline Technology. Improved data consistency with Siemens Healthineers-exclusive 3D PACE prospective motion correction.



syngo Maplt

Mapping of tissue T1, T2 and T2* in cartilage, liver, and any body region within minutes. Detection of subtle pathologies with confidence. Determining the best course of treatment for conditions such as osteo-arthritic pathology at an early stage with syngo Maplt.



syngo RESOLVE

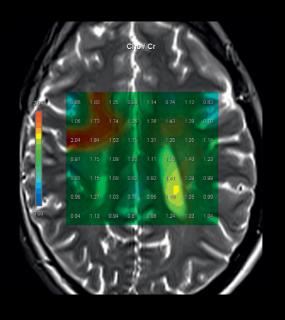
Delivering high resolution diffusion-weighted imaging (DWI). Visualization of diffusion properties of fine anatomical structures.

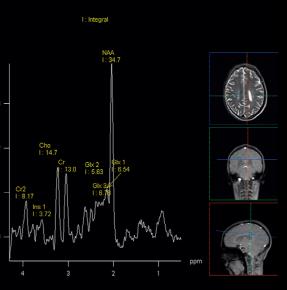
syngo RESOLVE – insensitive to susceptibility effects, enabling more accurate lesion evaluation.



syngo Matrix Spectroscopy

High signal level and clearer metabolite assessment. Single and multi voxel spectroscopy acquisition much faster. syngo Matrix Spectroscopy makes post-processing easier than ever with one click.

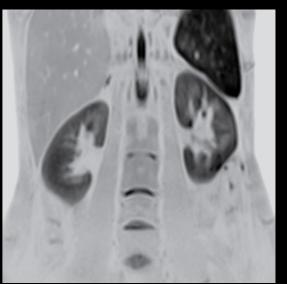




syngo REVEAL

Body diffusion imaging to distinguish malignant from benign lesions.







A clinical perspective.

Continuously evaluating and well addressing customers' clinical needs. This is what puts Siemens Healthineers at the forefront of innovation in the field of MRI. And it is the only way to help customers stay secure and ahead with their investment. And to make sure patients benefit most in the end. MAGNETOM Verio eco has both the power of Tim+Dot and the simplicity of syngo. Opening the field of more applications to a wider range of patients.

MAGNETOM Verio eco offers exceptional magnet homogeneity for excellent fat saturation. Its up to 50 cm Field-of-View offers a superior view of pathologies. With high gradient power, MAGNETOM Verio eco delivers high resolution. And, at the same time, short scan times. And Tim provides unparalleled flexibility, accuracy, and speed. This results in increased consistency for faster and more reliable diagnosis.

MAGNETOM Verio eco, now with Dot. Significant workflow innovations help make every exam easier. With fast and consistent adaptation to both patient condition and the clinical question. Even when conditions change.

syngo Inline Technology allows certain processing steps during image reconstruction. They are immediately displayed after completion. The result: Processing instead of postprocessing.

AutoAlign facilitates reproducible slice positioning, e.g. in head or knee. No manual adjustments needed. This maximizes standardization and comparability in follow-up examinations.

With the seamless integration to syngo.via not only the workflow right at the scanner will be further improved. But also the workflows beyond.

These harmonized imaging assets allow reproducible follow-up examinations. And they provide broadness in options and depth in possibilities. To well address the clinical perspective. In short:

A Siemens Healthineers solution.

A patient perspective.

The patient is the center of attention.
Always has been, always will be.

MAGNETOM Verio eco with Tim+Dot changes the entire patient experience.

Each exam can be tailored to individual patient conditions. With just a click of the mouse. According to different patient conditions.

Patient comfort is enhanced with short scan times. The ultralightweight Tim coils can be used flexibly. No repositioning required for any exam. This helps patients relax. Patients can be offered feet-first exams for nearly all MRI procedures. This, in turn, helps to reduce possible claustrophobia. Last but certainly not least, MAGNETOM Verio eco's 70 cm Open Bore expands comfort for obese patients. And for patients with respiratory problems, or kyphosis patients.

A business perspective.

The economics are strong behind MAGNETOM Verio eco with Tim+Dot. To start, it grants access to the latest technology. Access to smart future-proof performance. Access to a compact design allowing low-cost installation with minimal space requirements. Easy siting with a small footprint.

With Tim+Dot customers can achieve higher patient throughput with shortened examination times. Tim dramatically improves workflow by expediting exams and increasing throughput. Patient set-up is faster. Scan times are reduced. Dot optimizes the workload through personalized, guided, and automated exams. That makes examinations more consistent, faster, and with less chance of errors.

Tim+Dot also enable faster training and increased staff versatility. Especially when it comes to job rotation between modalities or scanner operation during night shifts.

With Zero Helium boil-off and low power and cooling requirements, MAGNETOM Verio eco significantly reduces costs. From the first day of operation.

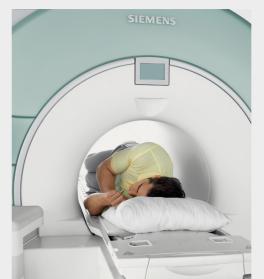
With MAGNETOM Verio eco, Siemens Healthineers meets imaging needs. From every perspective. It offers a unique combination of outstanding 3T and minimized lifecycle costs.

Siemens Healthineers is continually providing trendsetting technologies. They support the business of customers and help improve patient care.

















Customer care and services

Dedicated to helping you get the most out of your investment throughout the product lifecycle and beyond.

MAGNETOM World

Relevant for the clinical routine: our international user community with the latest clinical information, publications, talks, application tips, videos, education and training programs, and more.

≯ Learn more

Financial Solutions

Siemens Healthineers Financial Services creates value with best-in-class financing solutions.

≯ Learn more

Options and Upgrades

Get the most out of your Siemens Healthineers system during the whole product lifecycle. Discover new possibilities with our applications, coils, and *syngo*.via.

⊿ Learn more

Customer Services

We offer you a wide range of proactive services – thus enabling increased system availability, optimized performance, and workflow efficiency.

We focus on real-time remote monitoring and preventive maintenance of medical hardware and software. That's how we solve problems before they occur, thus enabling increased system availability, optimized performance, and workflow efficiency. To keep you on track to success – now and in the future.

∠ Learn more

syngo Evolve MR

Up-to-date, powerful hardware and software are key factors for enhancing the performance and diagnostic quality of your systems. *syngo* Evolve helps you to keep pace with rapidly developing technological advances.

≯ Learn more

MR scanning has not been established as safe for imaging fetuses and infants under two years of age. The responsible physician has to decide about the benefit of the MRI examination in comparison to other imaging procedures.

Data on file; results may vary.



Siemens Healthineers AG (listed in Frankfurt, Germany: SHL) pioneers breakthroughs in healthcare. For everyone. Everywhere. As a leading medical technology company headquartered in Erlangen, Germany, Siemens Healthineers and its regional companies is continuously developing its product and service portfolio, with Al-supported applications and digital offerings that play an increasingly important role in the next generation of medical technology. These new applications will enhance the company's foundation in in-vitro diagnostics, image-guided therapy, in-vivo diagnostics, and innovative cancer care.

Siemens Healthineers also provides a range of services and solutions to enhance healthcare providers' ability to provide high-quality, efficient care. In fiscal 2021, which ended on September 30, 2021, Siemens Healthineers, which has approximately 66,000 employees worldwide, generated revenue of €18.0 billion and adjusted EBIT of €3.1 billion.

Further information is available at www.siemens-healthineers.com.

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The information in this document contains general technical descriptions of specifications and options as well as standard and optional features, which do not always have to be present in individual cases.

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Siemens Healthineers Headquarters

Siemens Healthcare GmbH Henkestr. 127 91052 Erlangen, Germany Phone: +49 913184-0 siemens-healthineers.com USA

Siemens Medical Solutions USA, Inc. Healthcare 40 Liberty Boulevard Malvern, PA 19355-9998, USA Phone: +1-888-826-9702 siemens-healthineers.us