

MAGNETOM Avanto

MRI Excellence in 1.5T



For ultra-fast image acquisition. For a dramatic reduction in acoustic noise without compromising gradient performance. For the most comprehensive application range available today. For fast return of investment. For truly seamless workflow automation.

MAGNETOM Avanto. From a clinical, business, and patient perspective, it looks different. It sounds different. And it works different. Welcome to MRI Excellence in 1.5T.

Clinical perspective:

- Exceptional magnet homogeneity for excellent fat saturation
- Large 50 cm Field of View
- Strong gradients for high resolution and short scan times
- Unparalleled flexibility, accuracy, and speed – thanks to Tim
- Broad range of dedicated applications



Patient perspective:

- Shorter-than-ever exam times with iPAT
- Up to 97% acoustic noise reduction with AudioComfort
- Feet-first examinations with Tim
- No patient repositioning with Tim
- Ultra-lightweight coils with Tim (Body Matrix 950 g only)
- Highest level of diagnostic confidence

Business perspective:

- Zero Helium boil-off
- Low power requirements and cooling demands
- Fewer purchases of dedicated coils
- Higher patient throughput with shortened examinations times – thanks to Tim

MAGNETOM Mobile MRI Solutions
Driving Innovation

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Broad range of applications

Head, shoulder, knee, or toe?

MAGNETOM Avanto gives you total flexibility, with innovative applications for each part of the body. And only Tim seamlessly scans up to 205 cm with no patient repositioning or coil changes. For true whole-body functionality.

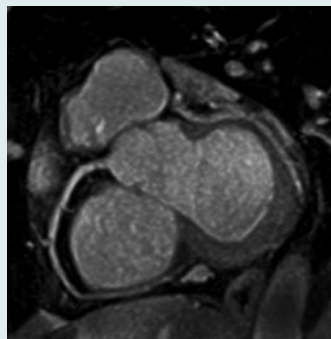
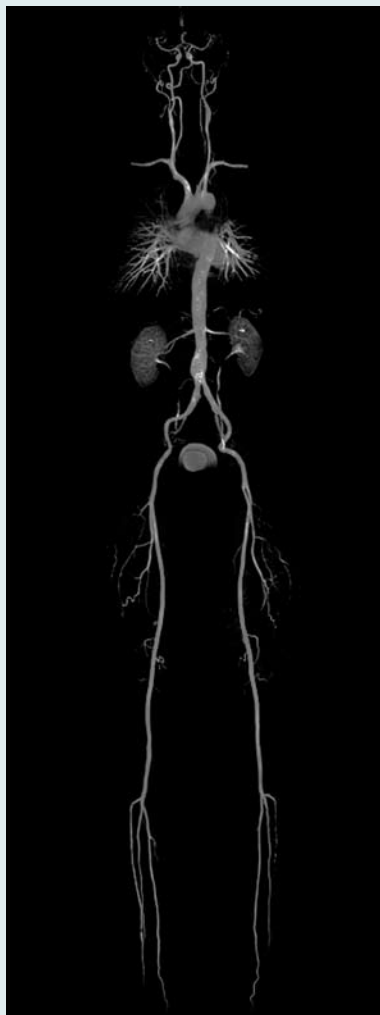
MAGNETOM Avanto MRI Excellence in 1.5T

MAGNETOM Avanto Tim [32x8]

- 8 truly independent RF-channels
- Q-engine:
33mT/m@125T/m/s
- 50 cm FoV

MAGNETOM Avanto Tim [76x18] and [76x32]

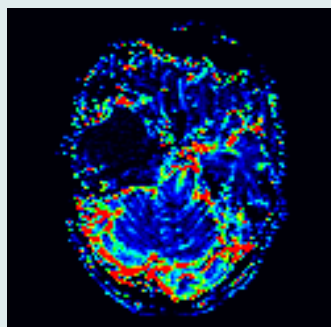
- 18- or 32-channel option
- SQ-engine option:
45mT/m@200T/m/s
- 50 cm FoV



Fat saturation
MAGNETOM Avanto excels in cardiac MRI. With strong gradients, superb Parallel Imaging with syngo GRAPPA, and high magnet homogeneity. Everything desired for heart MRI.



Large FoV
50 cm Field of View provides a perfect view of pathologies.



Perfusion MRI
With strong gradients, MAGNETOM Avanto delivers excellent temporal and spatial resolution.

wholeANGIO

With the flexibility of Tim's coil combinations, any Field of View up to 205 cm can be addressed. Accurate to see tiny vessels. And fast with Parallel Imaging from head to toe: TA 1:27 min.

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Driving Innovation

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Creating the future of MRI

Healthcare is changing at an almost incalculable rate. The demands of patients are altering expectations while the demands of business require new responses. It's an exciting time filled with great opportunity. That's how we see it at Siemens MRI. Which is why we relentlessly drive innovation and transformation.

Our focus is on helping our customers deliver superb care, more efficiently than ever. We measure ourselves by our ability to have a leading solution for each business need. This philosophy is extended to innovative Mobile MRI solutions.



Mobile MRI – A flexible solution

Mobile MRI means the newest, most innovative technology in Magnetic Resonance delivered right to your doorstep in one complete package. A complete MRI solution in a mobile environment can address individual business needs and clinical requirements. Whether to meet growing capacity demands for MR scanning in your hospital or facility or to provide a temporary solution while your current MR system is being upgraded or replaced, Mobile MR solutions from Siemens will provide the answer. You need access to the latest technology but have insufficient demand or budget to support your own system? Then Mobile MRI solutions from Siemens can help you build shared ownership models with your partners, providing access while reducing the cost. Or you may be a service provider, operating a single unit or fleet of mobile units delivering Mobile MRI solutions to your customers. You may need to add more capacity or upgrade your technology to provide more services. Whatever your business need, Siemens offers the leading solutions in Mobile MRI.

When you choose a Siemens Mobile MRI device, you receive not only the advantages of a Siemens MAGNETOM system but also the Siemens expertise in Mobile MRI. We can offer you advanced technology MRI systems in high-quality trailers. Our worldwide partnerships with Siemens certified trailer manufacturers guarantees this. And you will benefit from the unparalleled patient comfort and ease of use to the operator. In a mobile environment where space and time is often limited, these things really matter.



Leading technology

You have the choice between four Siemens solutions at 1.5T to meet your business need. MAGNETOM Avanto, delivering MRI excellence in 1.5T and incorporating the revolutionary Tim™ (Total imaging matrix) technology. MAGNETOM Espree, the first Open-Bore MRI System, which combines a 70 cm open bore with the world-wide shortest system length of 125 cm and Tim. MAGNETOM Symphony with a top performance at a great value. Or MAGNETOM ESSENZA, which was developed from the ground up to be an affordable, reliable powerhouse that will support both your clinical and financial success.

Workflow efficiency

No matter which MAGNETOM scanner you prefer, *syngo*, Siemens' easy-to-use software platform, provides a highly ergonomic user interface which allows you to know intuitively what to do. Intelligent automation features accelerate exams and enable smooth and efficient workflow even across modalities and departments.

Future security

And with the *syngo* EVOLVE Package – a unique offering to regularly participate in technological advances – you remain constantly up-to-date with upgrades to the latest *syngo* software and hardware platforms. *syngo* software support and two upgrades of the whole computer system within 6 years round out a most comprehensive obsolescence protection.



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