



MAGNETOM Skyra
A Tim+Dot System

MAGNETOM Skyra

Transforming 3T productivity.

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SIEMENS





We're talking profound change.

The driving mandate across all of healthcare today is the need to deliver better outcomes at a lower cost. It's clear that technology innovation will play an enormous role in making the promise — and the requirement — of efficient, affordable, high quality care, a lasting reality.

MAGNETOM® Skyra, the first 70 cm Tim+Dot system is a breakthrough advance in 3T imaging that will significantly increase your productivity, and as a result, transform every part of your day. The benefits will be nothing less than profound.



Tim® (Total imaging matrix) technology advances MR imaging — again — with 4G flexibility, accuracy, and speed.

It's Siemens ultimate innovation technology that unlocks imaging power like never before. Tim's newly designed ultra high-density coils are combined with the highest channel configurations ever offered.

And, with Tim's new patient-adaptive technology, image quality and acquisition speed go to a whole new level.

Think more exams per day. Every day.



Dot



Dot™ (Day optimizing throughput) engine offers a customizable framework for patient personalization, user guidance, and exam automation to help optimize every part of your MR workflow. From reduction in your exam times and improved clinical workflows to enhanced staff efficiencies. Exam by exam, patient by patient, Dot takes away the complexity of MR scanning. Dot multiplies the power of Tim resulting in greater image consistency and diagnostic confidence, greater ease of use, and a day that's more productive than ever before.

MAGNETOM Skyra delivers **true day-changing performance.**

Through the groundbreaking integration of Tim 4G and Dot, MAGNETOM Skyra sets a new standard of efficiency and care which will help you **harness a new level of productivity.**

Tim 4G gives you the power you need for superb image quality.

And Dot takes away the complexity inherent in MR scanning that can slow you down. With MAGNETOM Skyra you'll

significantly **optimize your clinical and business processes.**

Reduce staff workload. Radically improve your return on investment (ROI). And, most importantly, deliver the excellent quality of care to your patients — regardless of patient condition or experience level of staff. Today, when healthcare is under pressure from all sides, MAGNETOM Skyra delivers.

Clinically. Economically. Easily. It will literally **transform the way you work** with MR.



Introducing
The world's



MAGNETOM Skyra

first 70 cm Tim+Dot

Choose color or wood panel for MAGNETOM Skyra. Or, our new illumination MoodLight™ design to make the panel any color you want. You can also customize the scanner with your own engraved logo.



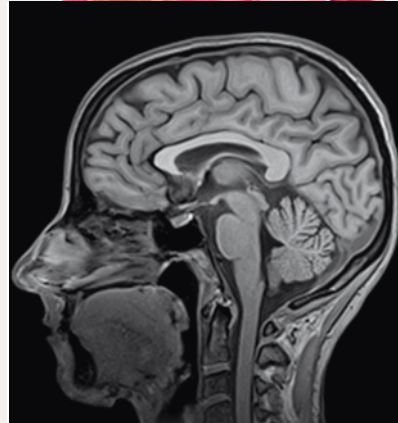
system.

Perfect scanning. Perfectly easy.

MAGNETOM Skyra makes MR exams easier and more comfortable than ever before. The roominess of our 70 cm Open Bore will accommodate a large variety of patient sizes, shapes and conditions. And the super-short magnet allows many studies to be completed with the patient's head outside the bore. But, you don't have to compromise image quality for comfort. Tim's newly designed, ultra high-density array enables higher spatial and temporal resolution and an imaging distance of up to 205 cm with no patient repositioning. Now up to 204 coil elements deliver more signal than ever before. Which enables the most flexible Parallel Imaging and supports the most demanding applications.

The personalized scanning of Dot allows you to get the best scan for each individual patient. Dot Engines give you uniquely tailored, optimized scans configurable to patient condition or clinical question.

Tim+Dot, together in MAGNETOM Skyra, will help you realize a marked improvement in productivity, while allowing your patients enjoy a most comfortable scan experience.





Tim 4G flexibility.

- Now you never have to wonder if you have enough channels to support ultra-high density coils. Tim 4G offers flexibility for the future with up to 128 channels.
- Tim DirectConnect™ cableless coils are easier and faster to handle. And they're ultra-lightweight so they're easy on patients, too.
- Select exams, not coils, for superb coverage of the patient's anatomy. Tim's lightweight coils can be seamlessly integrated to support large anatomic coverage, for instance combining head, neck, body and spine coil elements to create a neurovascular array.



New Tim Dockable Table accelerates patient set-up.

- Patients can be prepared for an exam outside the scanner room and wheeled in when ready.
- Totally Tim-ready with integrated, removable Spine 32-channel coil.
- Holds up to 250 kg / 550 lb to accommodate more patients.
- Enjoy fast patient preparation, easy patient transport, comfort for immobile patients, and flexibility in emergency situations.

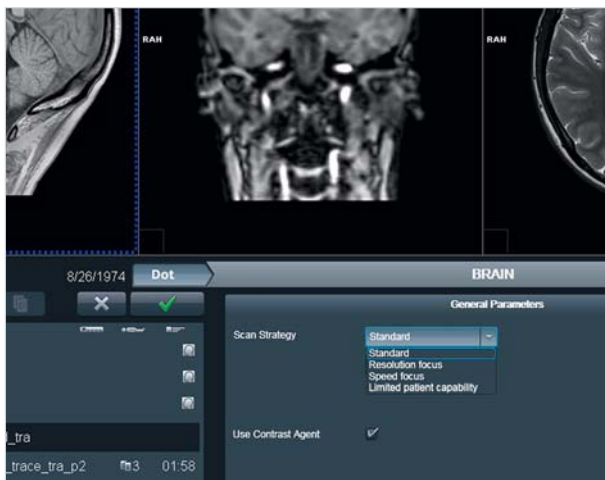


MAGNETOM Skyra's 70 cm Open Bore.

- The preferred design by claustrophobic patients. But all patients will enjoy the extra room, too.
- Captures sharper images due to less anxiety-related movement.
- Reduces sedation rates.
- Covers the full patient range: pediatric, critically ill, obese, and kyphotic to name a few.

MAGNETOM Skyra's 173 cm short system design.

- Reduces patient fear and anxiety.
- Offers more head-out exams.
- Means fewer refused exams for higher outcomes.
- Leads to higher throughput and more referrals.

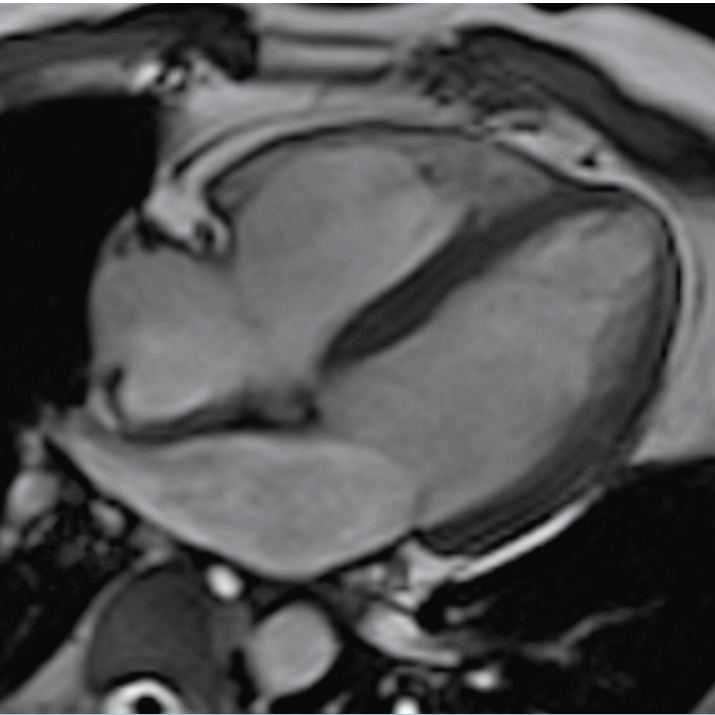


Dot is personalized — for every patient and user.

- Exam strategies can be designed based on patient condition and clinical indication. Just confirm and start scanning.
- Scanning is personalized for individual breath-hold capacity to eliminate motion artifacts.
- High quality exams are easily reproduced, even when conditions change.
- Customize Dot to your practice; to your standards of care.
- AutoVoiceCommands in multiple languages make exams more personalized.

Tim + Dot = expert-level scans

Now every scan is an expert-level scan.



Thanks to Dot's on-board guidance and the increased SNR of Tim 4G, now you can perform cardiac exams day and night. The Cardiac Dot Engine eliminates one of the biggest challenges in cardiac MR simplifying complete cardiac localization down to just a few clicks. Tim's TrueForm design offers superb fat saturation and high image homogeneity.



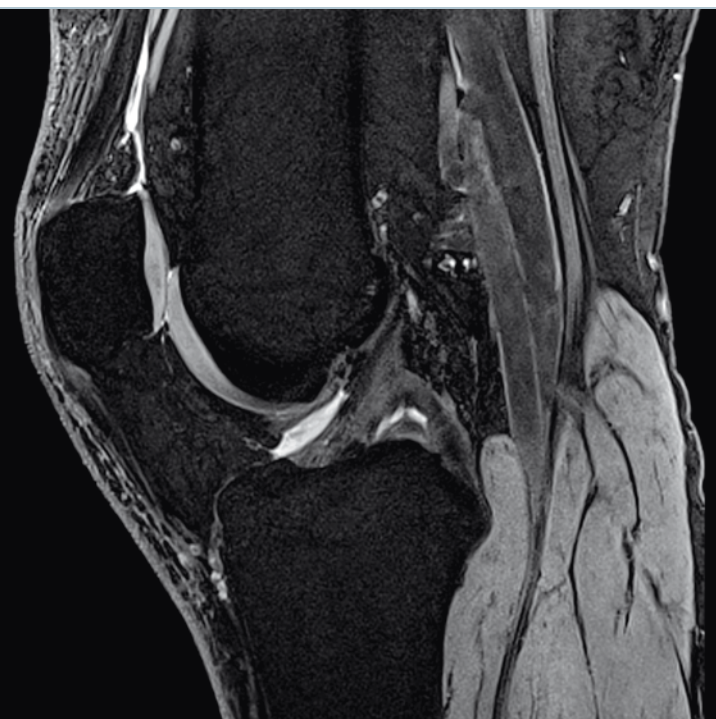
Tim+Dot mean easy scanning of any body shape or size. Tim's TrueForm design lets you use the full 50 x 50 x 45 cm Field of View (FoV). For scans with contrast media, Dot helps to synchronize bolus timing. Real-time graphics and AutoVoiceCommands assist the user in organizing the ideal timing of breathing, scanning, and contrast media.

The real power of Tim+Dot in MAGNETOM Skyra is all about consistency, scan after scan, regardless of user experience. With the precise accuracy of Tim 4G integrated with the unique on-board guidance of Dot, you will achieve excellent image quality with fewer errors and repeats.

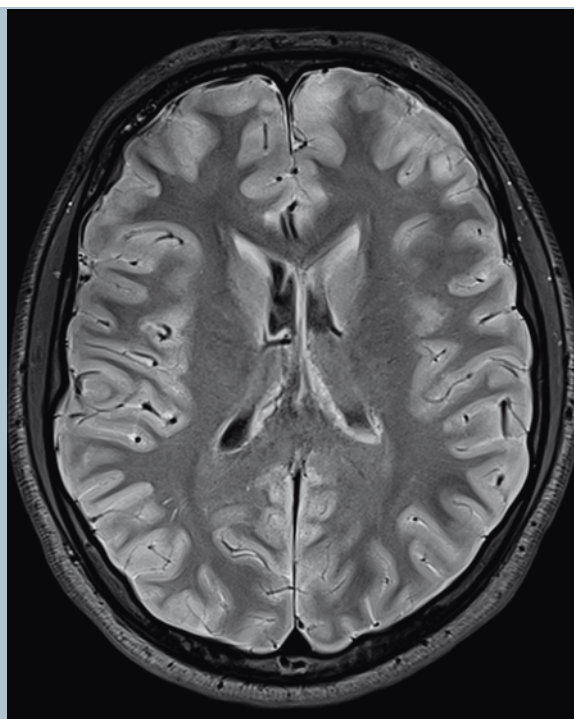
Tim's new ultra high-density array, with up to 204 coil elements, combines with a new RF design, with up to 128 RF channels, for an SNR increase of up to 20%. This enables high-resolution imaging that holds up even when zooming in on multi-station images. So you can scan everywhere. Zoom anywhere.



A complete view of the whole spine is made easy in just two steps. With Tim, there's no repositioning of your patient. Multi-step exams of the spine can be fused automatically using Inline Composing giving you a complete view of the whole CNS with consistently excellent image quality.



It's a new way to plan and perform orthopedic exams. Tim's new ultra high-density coils for MSK imaging improve SNR and anatomic coverage. Dot's customizable knee workflow with AutoAlign, offers step-by-step user guidance including guided slice and MPR planning for fast 3D measurements and Inline 3D processing.

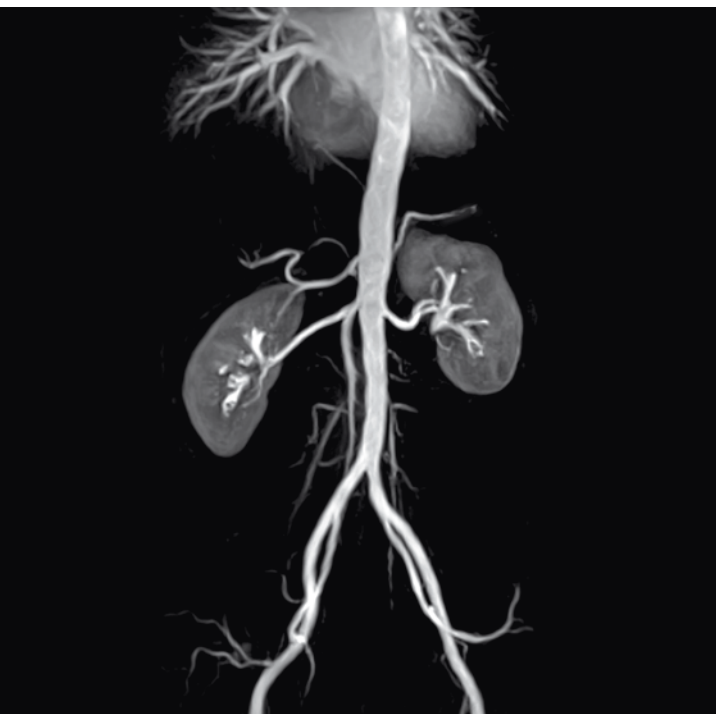


3T Brain studies are easier than ever. Tim's 20-channel Head/Neck coil offers increased SNR and the new architecture of Tim 4G maximize the capability of every channel.

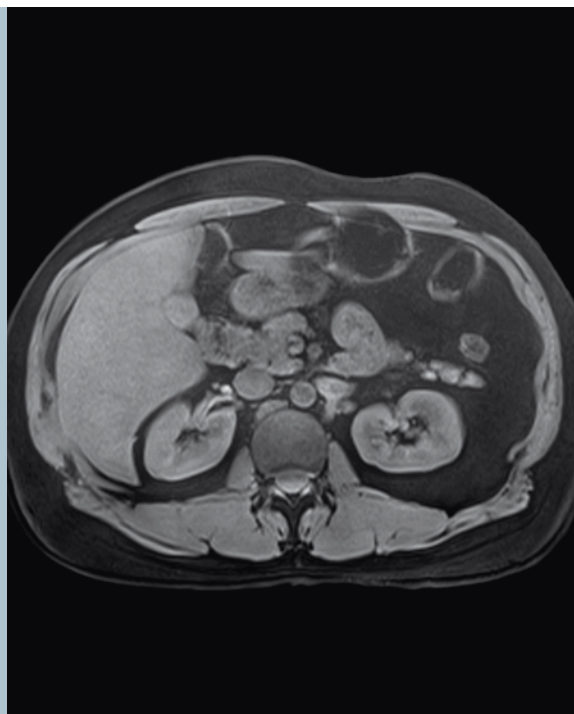
MAGNETOM Skyra is also optimized with our TrueForm design for excellent B1 homogeneity. Your image is clear and sharp all the way to the edges for up to 50% more imaging volume and TimTX TrueForm provides the foundation for multi-channel transmit array capabilities at 3T. In addition, Tim's new all digital-in/digital-out design integrates all RF transmit and receive components at the magnet, eliminating analog cables for true signal purity.

And Dot makes it all so easy. Your customized guidance navigates the user through each exam, indicating critical decision points along the way. Dot offers six workflow engines: cardiac, abdomen, knee, brain, angio, and onco. Each can be

**Dot Engines make scanning faster,
easier, and always consistent.**



Easily perform high resolution whole body angio with Tim+Dot. With Tim's new ultra-high density coils and 205 cm scan range, you can easily perform a high-resolution whole body angio without repositioning the patient. And, with Dot's on-board guidance, you can move through the scan with ease, realizing consistently excellent image quality, and achieving greater diagnostic confidence.



Acquire whole body coverage for metastasis staging in a single, continuous move with syngo TimCT Oncology. Together with Dot's on-board guidance, this innovative technology improves patient throughput and provides superb image quality.

tailored to your clinical needs in a way that literally takes the complexity out of MR exams — even cardiac and abdomen. Now, no matter what the level of user experience, decisions can be made more confidently and scanning can be done more expertly. And highly experienced staff can be freed up for more complicated studies.

The result is greater efficiency at all levels and a dramatic improvement in consistency.

Now you can do up to 30% more exams per day.

With the enhanced power of Tim 4G and your customized Dot workflows, you can equip your staff with the productivity-boosting tools they need to efficiently handle a full day's patient load and more. From patient prep and exam set-up, to image acquisition and processing, MAGNETOM Skyra with Tim 4G and Dot can help you realize an increase of up to 30% in daily productivity. The speed of Tim 4G dramatically shortens acquisition time, while Dot's intelligent automated workflows make set-up and scanning effortless. Now, even the most complex exams such as cardiac and abdomen can be performed confidently, even by those with novice experience.

Reach out to new patient populations.

- Obese patients
- Pediatric patients
- ICU patients or those dependent on medical equipment

Better accommodate difficult-to-scan patients.

- Kyphosis
- Respiratory problems
- Pain and mobility issues
- Claustrophobia
- Anxiety

Start realizing value from your MAGNETOM Skyra scanner faster than ever

- Fast installation
- Fast and easy training for most MR users
- Familiar UI for all modalities means faster user acceptance



Mobility done right. The Tim Dockable Table offers an innovative multi-directional navigation wheel for easier handling and 360 degree flexibility.



Tim Dockable Table gives you perfect docking integrated right into the scanner. The receiving port guides the table for perfect alignment. Nothing could be easier.



New DirectConnect coils. Eliminate the hassle and inefficiency of cables. With no attenuating cable, you'll also enjoy an improvement in SNR.

The smallest footprint of any 3T on the market, MAGNETOM Skyra is easy to site and can fit into a room typically sized for a 1.5T scanner. There's no need for a large, dedicated computer room because the all-digital Tim 4G technology is concentrated at the magnet. And, lifecycle costs are reduced due to its optimized cooling system and Zero Helium boil off. With MAGNETOM Skyra, it's a whole new day in MR.

Get the most out of your system—throughout the life of your system. Visit our information packed website, MAGNETOM World, for current clinical information to optimize your daily MR examinations (www.siemens.com/magnetom-world). In addition, *syngo* Remote Assist, our interactive help line that connects Siemens Healthcare professionals with our customers, allowing for using your system's full capabilities to boost productivity. And, *syngo* Evolve, our obsolescence protection program, keeps you on the cutting edge of technology.



Dot Engines. Dot automation means that scans can be completed faster and more easily, with less chance of errors or repeats.



Timing is never off. Dot integrates AutoVoiceCommands into your scan process for synchronized timing of breathing and scanning. Contrast timing is more accurate with AutoBolusDetection.



***syngo* TimCT moves MRI forward.** Literally. Offering continuous table move for CT-like scanning. Now you can acquire up to whole body planning scans in a single, continuous move.





MAGNETOM Skyra. It's redefining productivity.

The clinical and business imperative behind greater productivity in healthcare is clear. With MAGNETOM Skyra, we've designed a new way for anyone, regardless of experience level or complexity of patient need, to realize the total power of MR. To deliver robust image quality, consistently. To increase productivity by up to 30%. To radically improve return on investment (ROI) anywhere MRI is used. It's the next era in MR, and once again Siemens is leading the way.

MAGNETOM Skyra delivers patient-centered care.

- Highest patient comfort with 70 cm Open Bore and short system design.
- Tim's all-new innovative coil architecture unlocks higher element configurations and higher SNR.
- Personalized and easier exams with Dot.

MAGNETOM Skyra enables expert-level scans.

- Highest image quality, consistently, with Tim+Dot.
- Optimize all resources day in and out.

MAGNETOM Skyra transforms the day.

- Up to 30% more exams.
- Attract more referrals and improve marketability.
- Low operational costs with lowest energy and siting costs and Zero Helium boil-off.

Local Contact Information

In the USA

Siemens Medical Solutions USA, Inc.
51 Valley Stream Parkway
Malvern, PA 19355
Phone: +1 888-826-9702
Phone: +1 610-448-4500
Fax: +1 610-448-2554

In China

Siemens Medical Park, Shanghai
278, Zhouzhu Road
SIMZ, Nanhui District
Shanghai, 201318,
P.R.China
Phone: +86-21-38895000
Fax: +86-10-28895001

In Japan

Siemens-Asahi
Medical Technologies Ltd.
Takanawa Park Tower 14F
20-14, Higashi-Gotanda 3-chome
Shinagawa-ku
Tokyo 141-8644
Phone: +81 3 5423 8411

In Asia

Siemens Pte Ltd
Healthcare Sector
Regional Headquarters
The Siemens Center
60 MacPherson Road
Singapore 348615
Phone: +65 6490-6000
Fax: +65 6490-6001

Global Business Unit

Siemens AG
Medical Solutions
Magnetic Resonance
Henkestr. 127
91052 Erlangen
Germany
Phone: +49 9131 84-0

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Global Siemens Headquarters

Siemens AG
Wittelsbacherplatz 2
80333 Muenchen
Germany

www.siemens.com/healthcare

Global Siemens Healthcare Headquarters

Siemens AG
Healthcare Sector
Henkestr. 127
91052 Erlangen
Germany
Phone: +49 9131 84-0
www.siemens.com/healthcare

Legal Manufacturer

Siemens AG
Wittelsbacherplatz 2
DE-80333 Muenchen
Germany

Siemens Mindit Magnetic
Resonance Ltd. (SMMR)
Siemens MRI Center, Gaoxin C. Ave.,
2nd, Hi-Tech Industrial Park
Shenzhen 518057
P.R. China
Phone: +86 755-26525421
Fax: +86 755-26549253