

Features of the MAGNETOM Skyra 3T MRI

- 70 cm Open Bore design that offers greater patient access and enhanced comfort Ultra-light, short 3 Tesla MR system
- Easy to site
- Reduced cost of ownership
- DirectRF providing higher signal purity and greater stability
- A Very Mobile Tim Dockable Table option
- FoV with TrueForm Design: 50 x 50 x 45 cm
- Siemens MoodLight Illumination providing a more comfortable environment

More Exams is Better for Business

- The Siemens MAGNETOM Skyra 1.5T MRI scanner enables your hospital, medical center, or imaging center:
- Conduct more studies each day the Tim + Dot system
- The Siemens Dot Engines facilitate faster studies with automated workflows: Abdomen, Brain, Cardio, and Knee Dot Engine
- The Siemens DirectConnect and SlideConnect Coils offer faster connections, improved SNR, and an easier setup
- Now all your radiographers can conduct cardiac exams with Siemens Cardiac Dot Engine - it's easy to learn so now all of your radiographers can perform cardiac exams
- Siemens' Dot Exams facilitate faster patient preparation, coil setup, acquisitions and workflow. The Dot Exams also increase productivity and throughput.
- Attract different patients with the MAGNETOM Skyra's 70 cm Open-Bore and Short-System design - The new design is perfect for pediatric patients, obese patients, ICU patients, or those dependent on medical imaging equipment. The large, 70cm bore accommodates the more difficult-to-scan patients suffering from anxiety, claustrophobia, kyphosis, respiratory problems, pain and mobility issues

Siemens Tim+Dot + MAGNETOM Skyra 3T

- The combination of Tim + Dot gives you the highest level of imaging/ diagnostic consistency.
- Tim 4G offers greater imaging accuracy while the Dot System provides the on-board guidance.
- The Tim + Dot system offers excellent image quality with fewer errors and recalls. Tim's new ultra high-density array achieves up to a 20% SNR increase using up to 204 coil elements, with up to 64 RF channels, and combined with a new RF design.
- The new high-density array enables high resolution medical imaging that holds up even when zooming in on multi-station images.

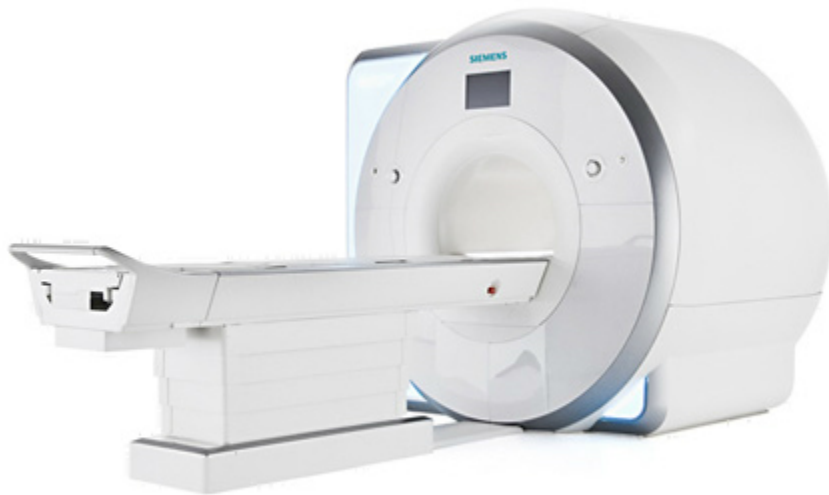
Clinical Applications

The Siemens Skyra 3T MRI scanner includes a comprehensive range of clinical applications:

- Tim Angio Suite
- Tim Body Suite
- Tim Breast Suite
- Tim Cardiac Suite
- Tim Onco Suite
- Tim Ortho Suite
- Tim Neuro Suite
- Tim Pediatric Suite

Skyra's TimTX TrueForm Magnet Design

- Offers exceptional image quality at 3 Tesla by enabling a homogenous B1 field
- The cylindrical magnet and gradient homogeneity volume are shaped closer to better match the actual shape/ true form of the human body.
- Enables better fat sat.
- Less overlap is needed for multi-station studies



Siemens MAGNETOM Skyra 3T/ 3 Tesla Technical Specs

Skyra Magnet

- Ultra-short super-conducting 3 Tesla
- Length: 173 cm (cover to cover)
- Weight: 12716 lb - Ultra Light 3T - Easy siting
- Easy Siting
 - Minimum total space requirement 31 m²/334 ft² (for magnet, electronics and console room)
 - Zero helium boil-off
 - Fits in conventional 1.5T MRI installations area
 - Optional Green Cooling Package - Decreases energy consumption up to 50%
- TrueForm magnet and gradient design provides enhanced image quality

Skyra Gradient System

45 mT/m and 200 T/m/sec for each axis

Actively-shielded whole-body gradient coil system

Very low eddy currents

Water-cooled coil/amplifier for best performance

All axes force compensated

Skyra DirectRF

Optical links between magnet and equipment room to achieve highest RF stability

Transmit/Receive path are integrated into magnet housing

Receiver with high dynamic range without adjustments

Dual-Density Signal Transfer enables ultra-high density coil designs by integrating key RF components into the local coil.