

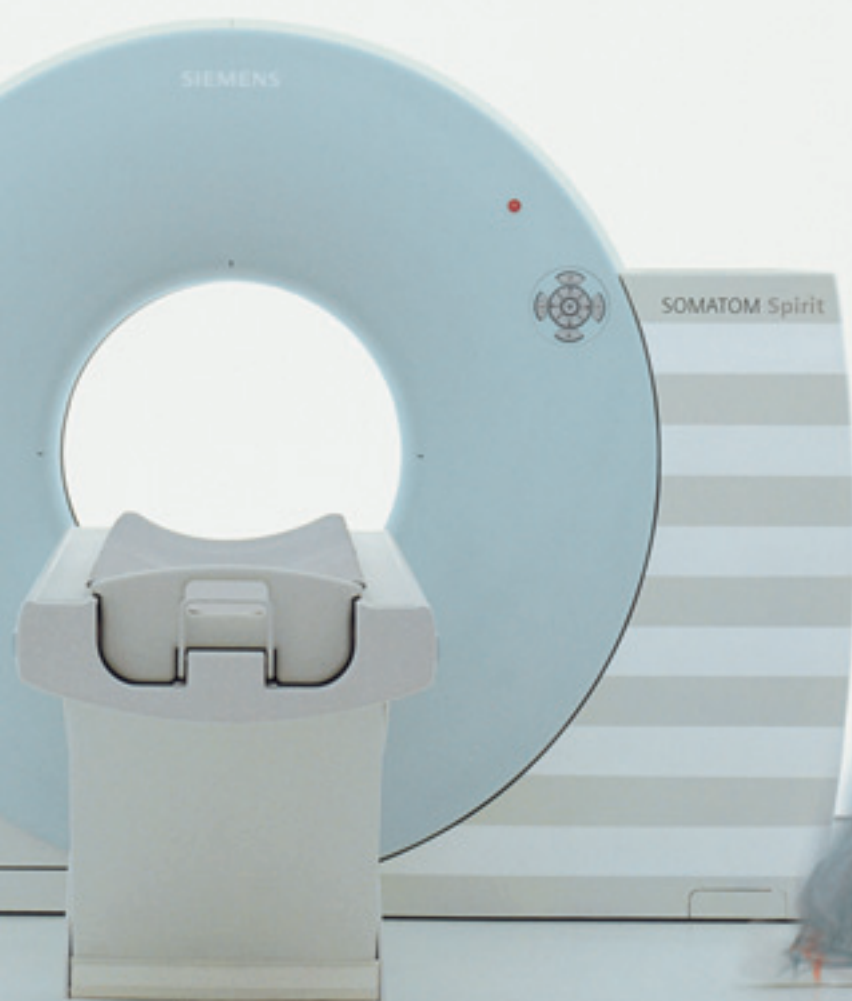


Join the World of CT
SOMATOM Spirit

SIEMENS
medical

Katsumi Tadokoro, MD,
Radiology Department,
Medical Center Hospital,
Saitama, Japan

“The SOMATOM Spirit is a compact CT that allows us to quickly perform routine exams. In addition to the excellent performance our patients really like the modern and friendly design.”



SOMATOM Spirit





SIEMENS

SOMATOM Spirit

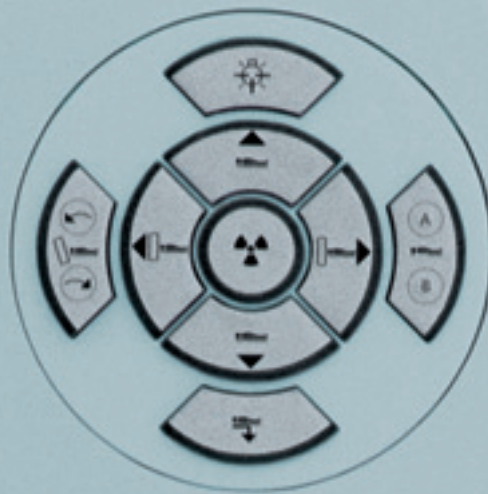


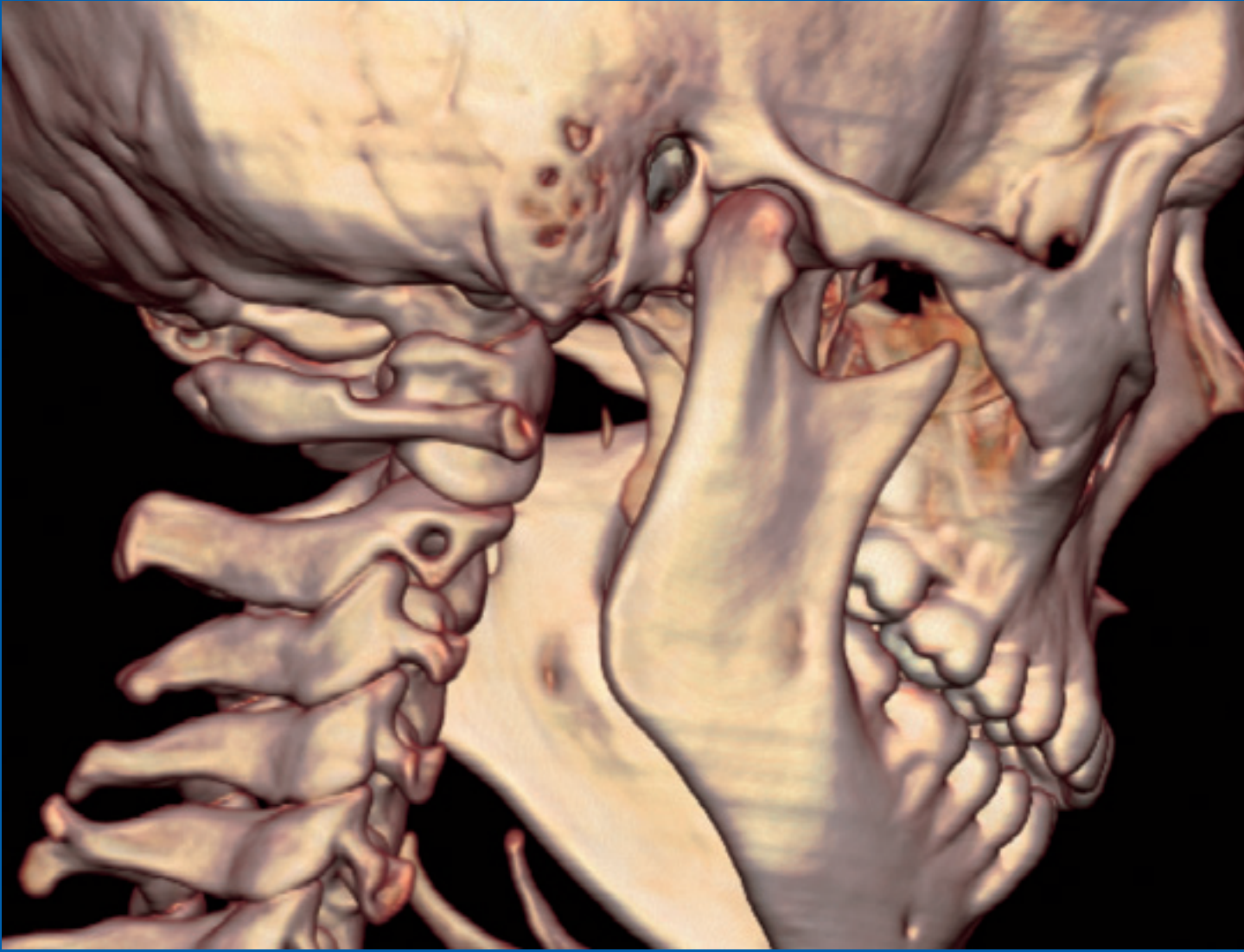
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SIEMENS

Siemens –
The Trendsetter in CT

The SOMATOM® Spirit is the accumulated result of Siemens' global network of innovation encompassing well over 400,000 employees in 190 countries. Siemens Medical Solutions has been a leader in CT innovations for more than 30 years and continually introduces innovative CT products for the daily clinical routine. We take pride in possessing in-depth knowledge of customers' requirements and needs. The motivation and passion of our employees to exchange ideas with colleagues around the world result in the expertise to create innovative, cost-effective solutions, which are reflected in cutting-edge systems like SOMATOM Spirit.





“The pre-installed scan protocols enable short examination times and provide excellent image quality at very low radiation exposure levels.”



Hans Arenander, MD,
Head of Imaging Center Arenander,
Warburg, Germany



Yesterday's wish is now reality at Siemens – SOMATOM Spirit is a multislice CT scanner for all who dreamed about an affordable and reliable system with the spirit of innovative technology.

SOMATOM Spirit is the ideal system to replace outdated scanners or to add an additional CT to an overworked facility. It is also the multislice scanner of choice for a cost-effective, easy entry into the fascinating world of CT. SOMATOM Spirit is the perfect Multislice CT for day-to-day examinations, ideally suited for teleradiology as well as other medical fields such as ENT and urology practices, dental surgeons, and general practitioners. Adding CT to their medical services, any facility can improve the quality of patient care and increase patient volume.

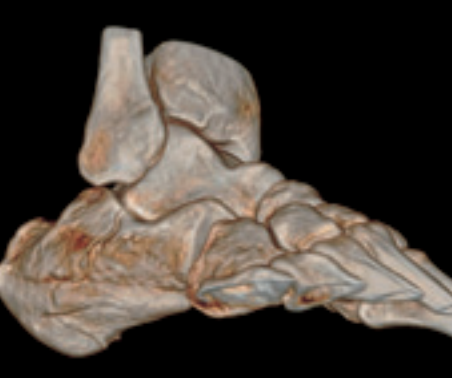
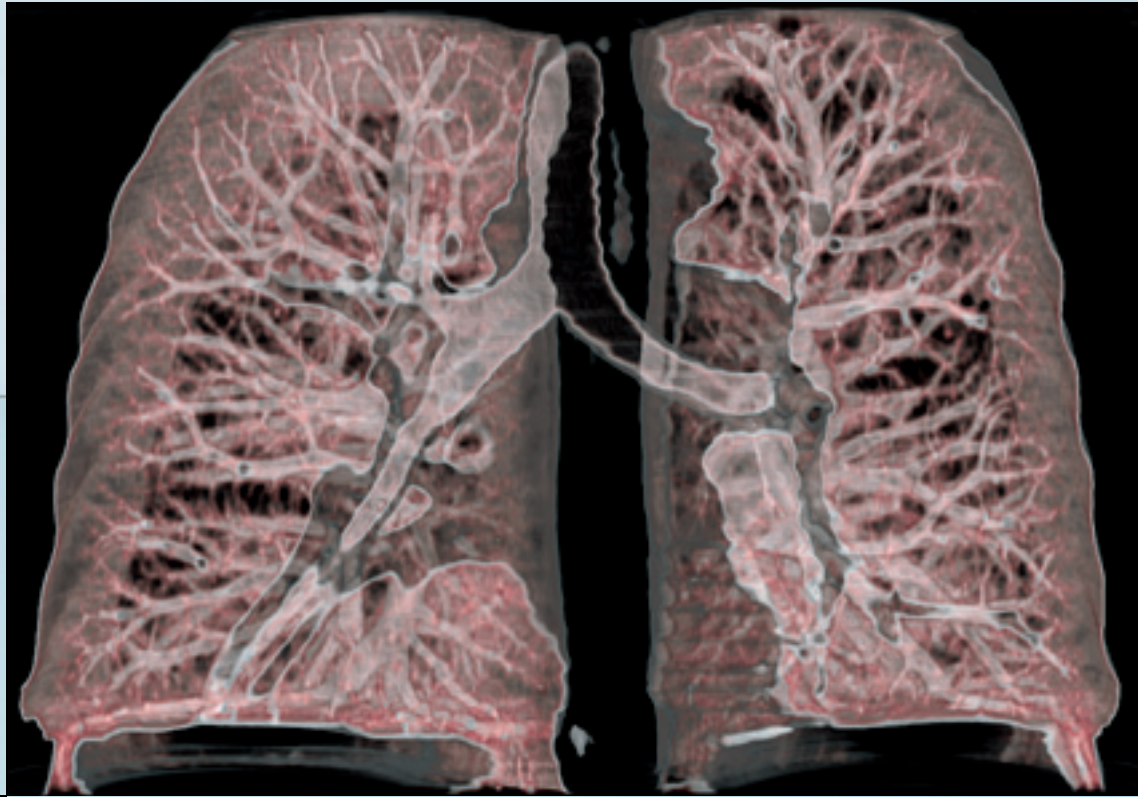
SOMATOM Spirit is a subsecond, multislice CT scanner for day-to-day clinical routine. The system benefits from Siemens' latest developments in multislice CT technology as well as technologies that lead to superb image quality and dose efficiency.

Our system is designed to perform CT examinations easier than ever before. The simplified user interface guides the operator and workflow is automated wherever possible, inspiring a spirit of confidence from the beginning. The new, trendsetting design is not only appealing and esthetic, it is also ergonomic. The slim gantry and its wide opening ensure easy patient access and provide high patient comfort.

Siemens has the Spirit. Take a closer look at our SOMATOM Spirit.



SOMATOM Spirit –
Join the World of CT



SOMATOM Spirit – Profit from Multislice CT

Affordable Multislice CT for Every Facility

Go for the new standard in CT imaging and join the world of CT. Get a modern, innovative CT with extremely attractive lifecycle costs.

Solid Choice for Day-to-Day Clinical Routine

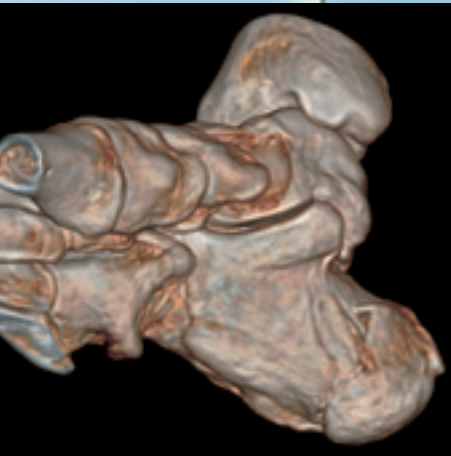
Perform all CT examinations of the day-to-day clinical routine with excellent image quality at low dose. Read and analyze the results with standard and advanced 3D postprocessing applications.

New Level of Cost Effectiveness

Reach the point of amortization in a short period of time with only a few patients per day. The modern system design and efficient supporting processes provide cost effectiveness: low installation and space requirements, fast installation time, low power consumption, high uptime, and efficient preventive maintenance.


New Dimension in Patient and User Friendliness

Enjoy the new, trendsetting design of SOMATOM Spirit. It is not only appealing and esthetic, it is also ergonomic. The patient access is convenient. There are almost no patient limitations due to the wide 70 cm gantry opening and the permitted patient table load of 200 kg.* SOMATOM Spirit comes with a very intuitive user interface and automates the workflow wherever possible.



* 70 cm = 27.6 inches
200 kg = 450 lbs



A close-up photograph of a person's ear and the back of their head, showing dark hair and a white garment. The image is partially obscured by a large blue curved shape that serves as a background for the text.

“The amazing combination of quality, velocity, and advanced applications, as brain perfusion, makes the SOMATOM Spirit an excellent choice in entry-level CT.”

Nitamar Abdala, MD,
Professor of Radiology,
UMDI Diagnósticos,
São Paulo, Brazil

Affordable Multislice CT for Every Facility

Every patient and physician should profit from the advantages of Multislice CT. Compared to single slice systems, multislice CT scanners represent a technological milestone with respect to increased volume coverage, even with higher resolution, shorter examination times, and better utilization of the X-ray tube output.

SOMATOM Spirit is an innovative dual slice CT with a collimated slice width down to 1 mm and a gantry rotation speed of up to 0.8 seconds. Therefore, most routine CT examinations such as thorax scans can be easily performed in a single breath-hold.

SOMATOM Spirit combines new innovations with successful and proven functions, technologies, and components of other SOMATOM products.

Benefits:

- Low costs of purchase.
- Attractive lifecycle costs.
- Increased volume coverage.
- Collimated slice width down to 1 mm.
- Gantry rotation speed of up to 0.8 seconds.



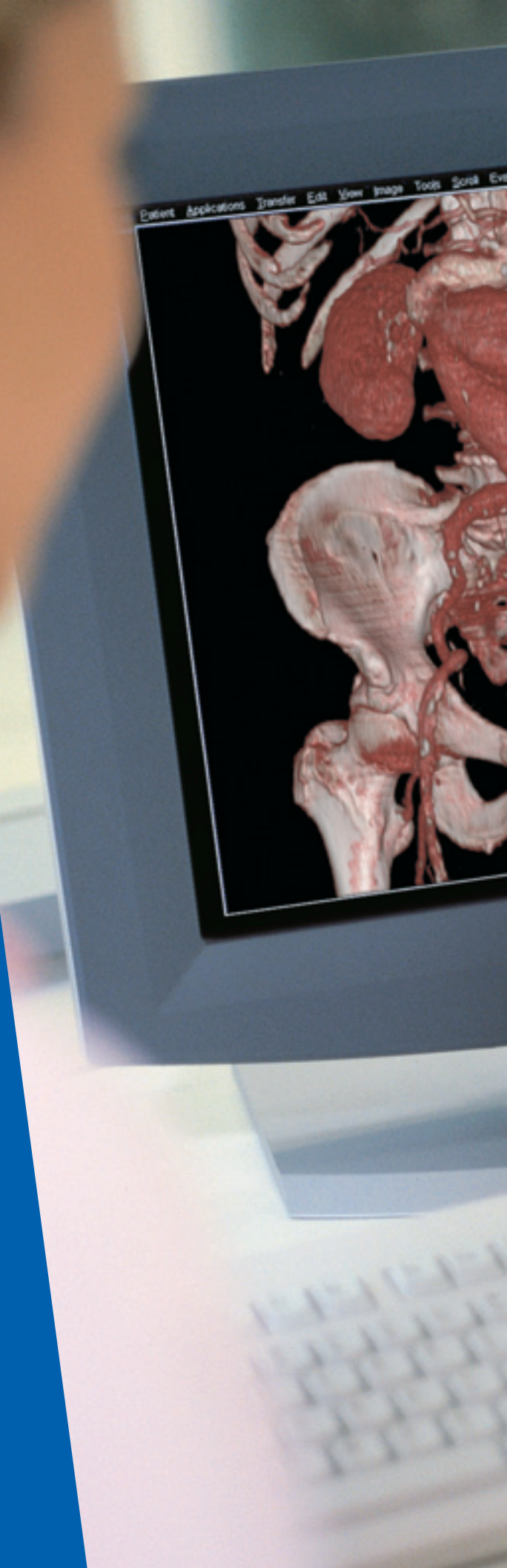


Just a few examples to illustrate the synergies that exist between Siemens' products:

- **SureView™:** Siemens' patented reconstruction algorithm for fast spiral, multislice imaging was originally developed for high-end scanners. SureView results in the best possible image quality and dose savings of up to 20%*. It is now used in all multislice CT scanners from Siemens.
- **Ultra Fast Ceramic (UFC™) Detector:** Compared to other detector materials on the market, Siemens' UFC requires up to 30% less dose to achieve excellent image quality.
- **CARE Solutions – Combined Applications to Reduce Exposure:** Siemens developed a series of technological features that have been applied to SOMATOM CT scanners in order to achieve excellent imaging results and shorter examination times at the lowest possible radiation exposure.

G. Murugan, MD,
Indian Scan, Chennai, India

"I was using a non-spiral scanner before, but after migrating to multislice technology I could extend the clinical portfolio of my center and get more referrals for 3D imaging."





Solid Choice for Day-to-Day Clinical Routine

Being an up-to-date multislice CT scanner, SOMATOM Spirit answers the needs and requests of today's clinical business. With outstanding imaging, short examination times, pre-installed scan protocols, and optimized utilization of the X-ray tube output, the allrounder covers all demands of daily clinical routine.

Your patients will profit from the system, too. Not only from the convenience and reduced dose, but also from the excellent image quality of SOMATOM Spirit – supported by standard and advanced 3D postprocessing applications that deliver the basis for confident diagnoses.

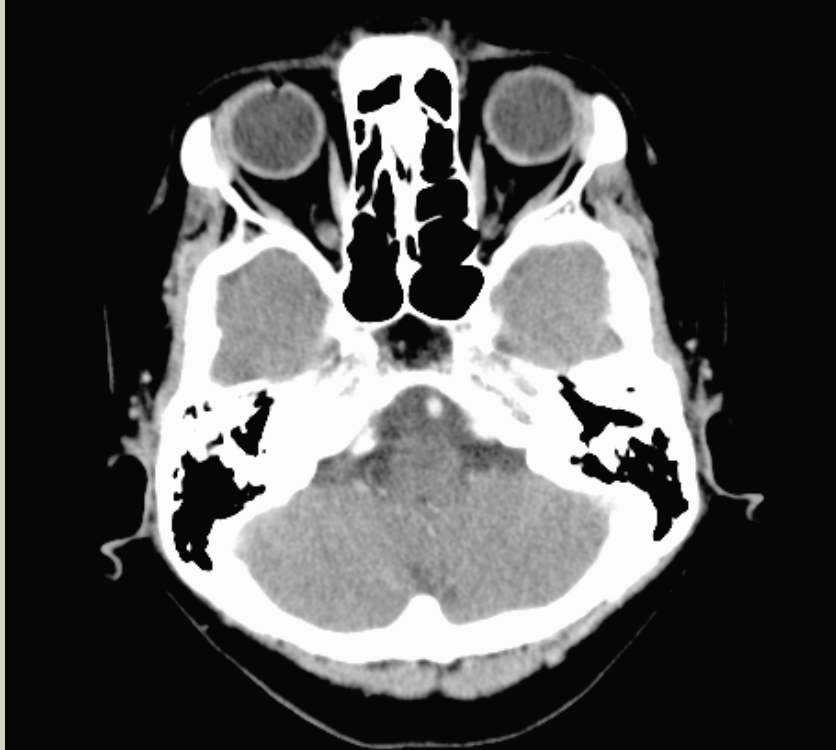
Additionally, SOMATOM Spirit offers a comprehensive spectrum of routine CT applications. The application portfolio that comes as standard with the SOMATOM Spirit includes real-time Multi Planar Reformatting (MPR), syngo® 3D SSD (Surface Shaded Display), Volume Measurements, and CT-Angiography.

To customize SOMATOM Spirit to the individual needs of each facility, there are additional applications available optionally – supporting e.g. 3D visualization or examination and diagnosis of lumen. Also dental surgeons and orthopedic physicians can profit from special applications tailored to their demands.

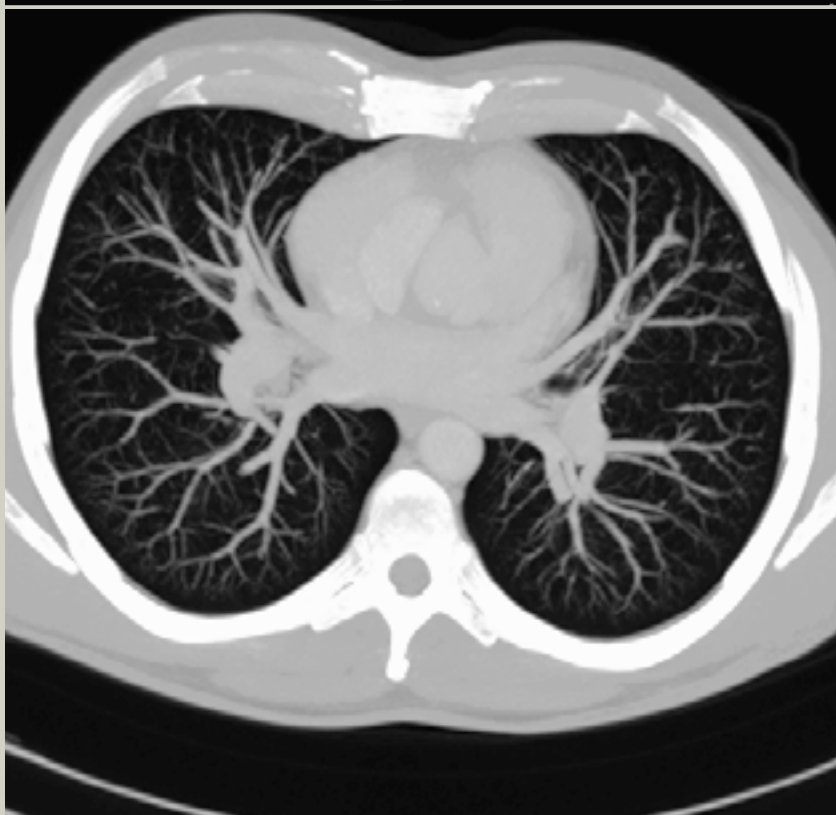
Benefits:

- Excellent image quality providing reliable diagnoses.
- Higher patient throughput according to shortened examination times.
- Comprehensive standard CT application portfolio.
- Wide range of optional applications to adapt to specific clinical needs.
- Up to 66% dose reduction with CARE Dose4D™.

Scan length	250 mm
Scan time	12 s
kV	130 kV
Effective mAs	73 mAs
Rotation time	0.8 s
Slice collimation	5.0 mm
Pitch	0.7 mm



Scan length	200 mm
Scan time	30 s
kV	130 kV
Effective mAs	44 mAs
Rotation time	0.8 s
Slice collimation	1.5 mm
Pitch	1.8 mm



Scan length	235 mm
Scan time	35 s
kV	130 kV
Effective mAs	110 mAs
Rotation time	1.5 s
Slice collimation	1.5 mm
Pitch	1 mm







“We have increased
our profitability
as well as patient
volume and study
diversity, due to the
SOMATOM Spirit’s
high image quality
and speed.”

Necdet Okbay, MD,
Alpaslan Mertan, MD,
Radyotom & Radyomar Imaging Center,
Istanbul, Turkey

New Level of Cost Effectiveness

The modern system design and efficient supporting processes ensure that SOMATOM Spirit defines a new level of cost-effective systems in the market. The breakeven point of SOMATOM Spirit can be reached in a short period of time with only a few patients per day. However, depending upon the type of examinations, SOMATOM Spirit can complete 50 patients in an eight hour workday.* This represents one of the best patient throughput-to-investment ratios on the market.

SOMATOM Spirit is optimized to keep site preparation, installation and running costs to a minimum. The room and installation requirements are very modest. The system consists of only three components: The gantry, the patient table, and the console. The minimum needed space is just 16.8 m² (183 square feet) and therefore takes up less of valuable floor space.

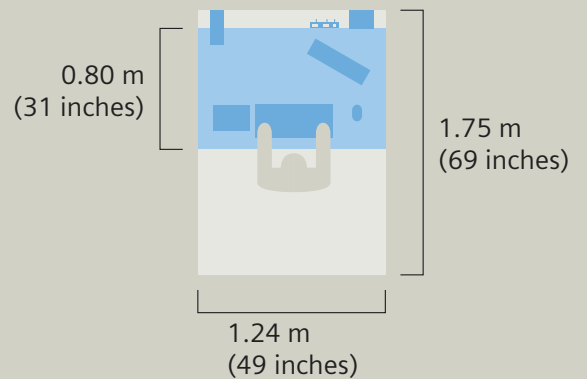
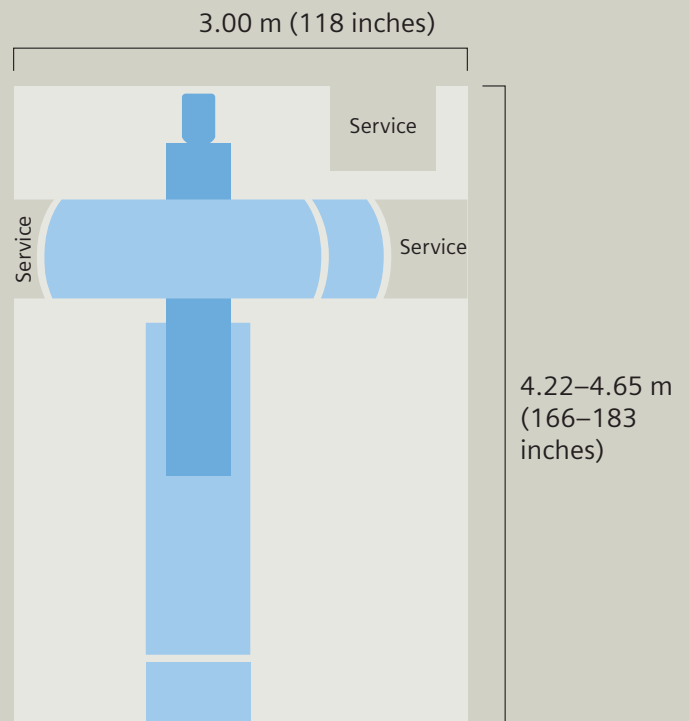
During the engineering phase, one of the most important considerations was reliability. To keep your uptime at the highest possible level, Siemens developed SRS (Siemens Remote Service), an online service that monitors your system automatically and identifies potential problems before you even notice them. SRS and on-site preventive maintenance twice a year will ensure consistent system availability and your peace of mind.

Benefits:


- One of the best patient throughput-to-investment ratios on the market.
- Air-cooled system neither requires a complex water cooling installation nor an external chiller.
- Power consumption of 130 kVA (low compared to other scanners).
- Virtually no loss of time or patient throughput: installation time is only six to seven hours.
- Outstanding overall system uptime due to innovative service concept including SRS online system monitoring.



*Requiring only 16.8 m²
(661 inches), SOMATOM Spirit
fits into any examination room.*







"Our technicians are very satisfied with the user interface, it is easy to learn and to operate."

Prof. Zheng Mengsu,
Fudan University, Zhongshan Hospital,
Shanghai, China

New Dimension in Patient and User Friendliness



The new, trendsetting design of SOMATOM Spirit is not only appealing and esthetic, it is also ergonomic. With a gantry aperture of 70 cm, 50 cm Field of View, and a patient table load of 200 kg, there are almost no patient limitations. The inviting, wide gantry opening, and the short bore – 25.9 cm distance between the front of the gantry and the scan plane – ensure easy patient positioning and patient access, making the SOMATOM Spirit a comfortable CT for both, patient and medical staff.* The new look and feel of SOMATOM Spirit eases the patient's mental blockage.

Whatever your needs are, SOMATOM Spirit provides the right solution to increase your efficiency. Saving you time and money – and all that on 16.8 m².

Benefits:

- Wide gantry aperture of 70 cm.
- Short bore of only 25.9 cm.
- Patient table load of up to 200 kg.
- Needs only little space.

* 70 cm = 27.6 inches, 50 cm = 19.7 inches
200 kg = 450 lbs, 25.9 cm = 10.2 inches



syngo – it's all about you

syngo, our unique solution for the diagnostic and therapeutic cycles, knows how you work. What you need. What's most important. Fast, easy, and intuitive, *syngo* brings together all of the solutions critical to you – and your patients. Uniquely role-based for your workflow, *syngo* completely integrates your day, your department and beyond. Leading to a whole new level of clinical excellence. And a partnership you can grow with. It's the beginning of a virtualized, "always on, anywhere" world of healthcare. The time to *syngo* is now.

syngo clinical application solutions

With SOMATOM Spirit, you have the option to choose from individual *syngo* applications tailored to your needs – whether you want to clearly visualize tumors, perform examination and diagnosis of lumen or display surfaces with different density values in 3D. Simply select the applications you require and add them to your system. While, needless to say, optimum image quality is assured at all times.

In addition, *syngo* functionalities also automate workflow wherever possible using Auto Tasking, Auto 3D, Auto Archiving, Auto Filming, Auto Recon, and Auto Transfer. The handling of its simplified user interface is intuitive and easy to learn, inspiring confidence from the beginning. It accelerates your diagnostic efficiency, enabling streamlined workflow across modalities, departments, and staff. Your daily routine will become easier and quicker. With SOMATOM Spirit, you will enjoy the simplicity of modern technology.

Benefits:

- User interface with intuitive guidance.
- Ease of use thanks to *syngo*.
- Software applications tailored to individual needs.



Examination Viewing Filming 3D

ThoraxRoutine08s (Adult)

Patient Registration
Exam Protocols
Topogram
ThorRoutine
End Exam

Test, Patient 0000 Total mAs: 144

Eff. mAs 60 P CARE Dose
kV 130 CTDIvol 6.48 mGy

Scan time 16.3 s
Delay 3 s

Pitch 1.8
Slice 5.0 mm coll. 2 x 4.0 mm
Rotation time 0.8 s
API None

Feet to Head

Scan Recon

Johann-C. Steffens, MD,
Israeli Hospital,
Hamburg, Germany

“What really pleases me is the overall customer care from Siemens – not only regarding their products. They care about you as a client.

And that’s one of many reasons why I chose Siemens.”



Life – Get the Most from Your Investment

Life is the unique customer care solution from Siemens that helps you get the most from your CT investment. From the moment of your purchase, Life surrounds you with an array of programs and support that enables the continuous development of your **skills**, **productivity**, and **technology**. Allowing you to broaden your capabilities. Increase profitability. And take patient care to the next level.

Skills

Maximizing your skills and clinical know-how is the central key for getting the most out of your system. Life, our customer care solution, helps you with a full range of learning programs – from start up training and application support to clinical training. And because we have designed Life to adapt to your needs at all times, you can learn online or offline, onsite or offsite – or from our clinical partners in workshops, fellowships, and at symposia.

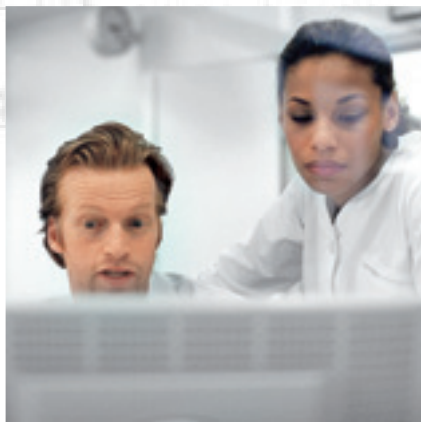
Productivity

Our aim is to help you run your system at peak performance every day. This is why Life provides you with a comprehensive and individual range of assistance that assures your system's availability, from safety checks and pro-active remote services to updates and spare parts. Additionally, Life supplies you with analytic tools to which you can assess performance and utilization data* in order to maximize uptime, increase patient throughput, and optimize system utilization. Because we want to help you improve your system's performance.



Technology

Keeping you at the technological and clinical cutting-edge is what we designed Life for. So you can easily keep on top of software and computer hardware upgrades and updates. Because we want you to benefit from the latest workflow improvements, clinical applications, and diagnostic functions – in addition to the most advanced computer technology. What's more, we let you try out the latest, most promising clinical developments before you buy. And when it's time to upgrade, Life helps you make an effortless transition to the new platform.



SOMATOM LifeNet*

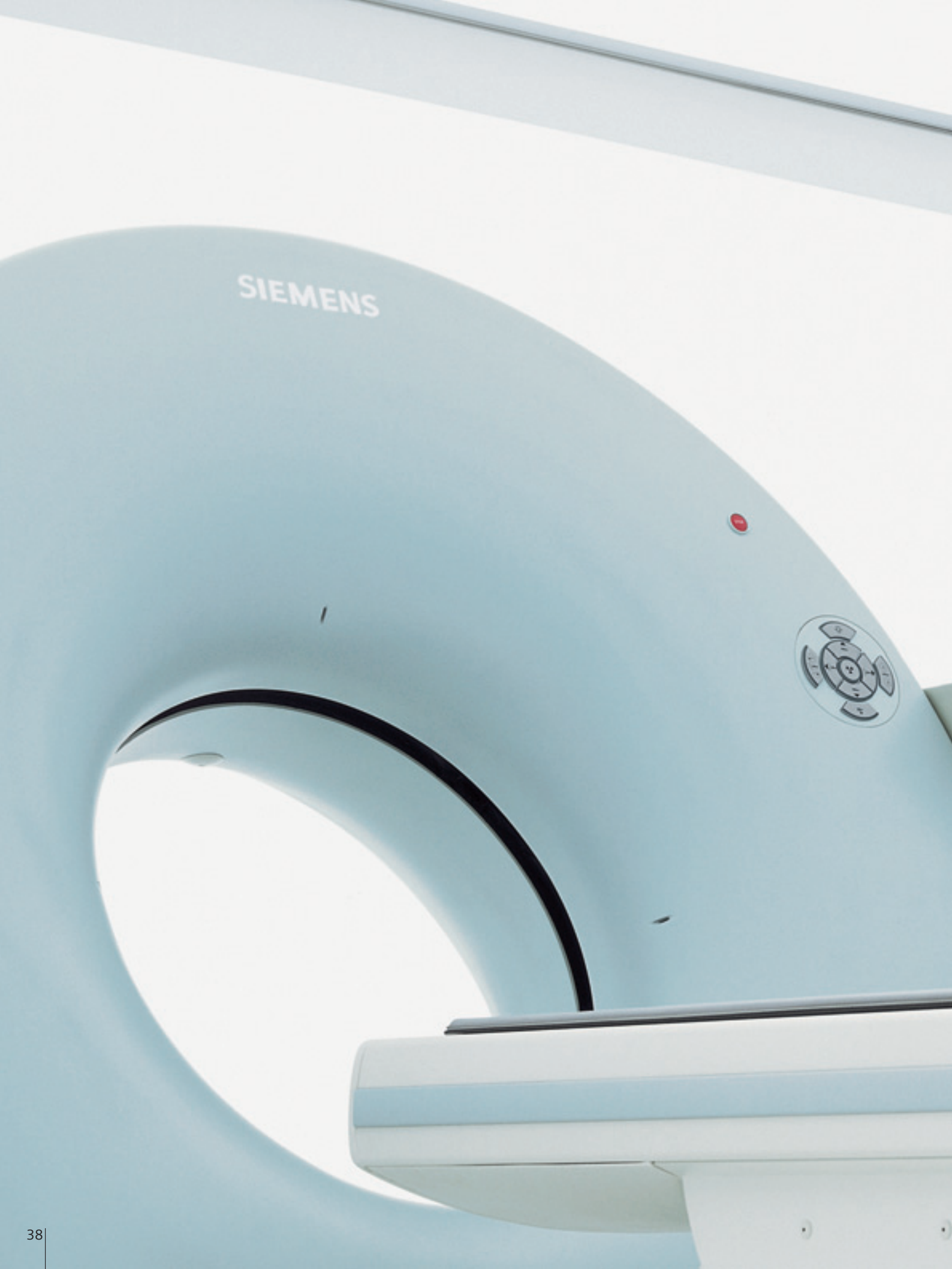
SOMATOM LifeNet is our unique information and service portal. Designed to help you in your daily work, it connects your CT scanner console directly with Siemens via an Extranet. This enables you to easily access information and services immediately from your console – including Frequently Asked Questions, learning programs, and the possibility to download the newest scan protocols. Additionally, as a SOMATOM LifeNet user you are able to receive many of our new software applications for a 90-day trial period, free of charge, and with the option of future purchase.

Take advantage of the many services of SOMATOM LifeNet. And profit from an easier work routine.

Siemens Remote Service

Siemens Remote Service (SRS) offers you an efficient and comprehensive infrastructure for the entire spectrum of remote services for your CT scanner. Your benefits? Services that formerly required onsite visits are now easily available via data transfer. And some of our remote services guarantee maximum system availability and continuous support in your daily work routine.

* Powered by Siemens Remote Service.



A Siemens SOMATOM Spirit CT scanner is shown in the background, with its name visible on a panel. The scanner is white with blue accents. The background is a light blue wall with a white corner.

SOMATOM Spirit



Proven Outcomes.

This is what Siemens is helping to deliver right now. Outcomes that result from truly efficient workflow. Outcomes that improve your bottom line. Outcomes that lead to a level of care that feels exceptional to the patient and the care provider. Proof positive of the value of integrating medical technology, IT, management consulting and services. In a way that only Siemens can.

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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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Solutions that help