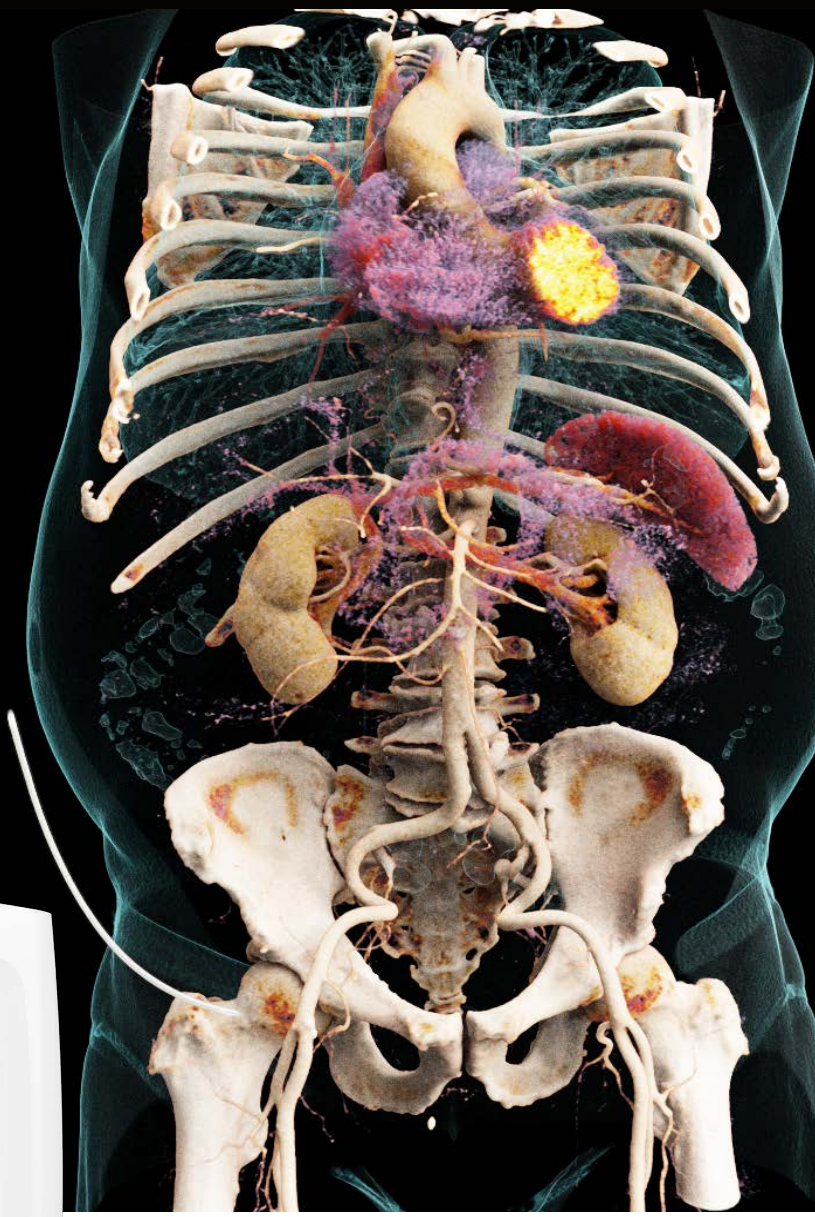
SOMATOM go.platform

# Stand out in advanced CT procedures

↗ siemens-healthineers.us/somatom-go-platform




SIEMENS Healthineers

# Do you find these healthcare trends challenging?

## Concerned that patients may leave your institution dissatisfied?

### Patient satisfaction

"Improving patient satisfaction with their CT experience" is ranked top priority by CT department responsibles.[1]

## Wondering if you are operating your CT scanner at its full potential?

### Scanner operation

"The use of protocols and radiation dose varies greatly," according to a study[2] that analyzed millions of CT examinations worldwide. And this is not because of the equipment characteristics, but mainly because of the choices of the individual users.

## Curious about the use of AI in your CT system? But also skeptical about it?

### Artificial Intelligence

"Already, 77% of the devices any one of us uses feature one form of AI or another."[3]

Click each section below to learn more

Contents

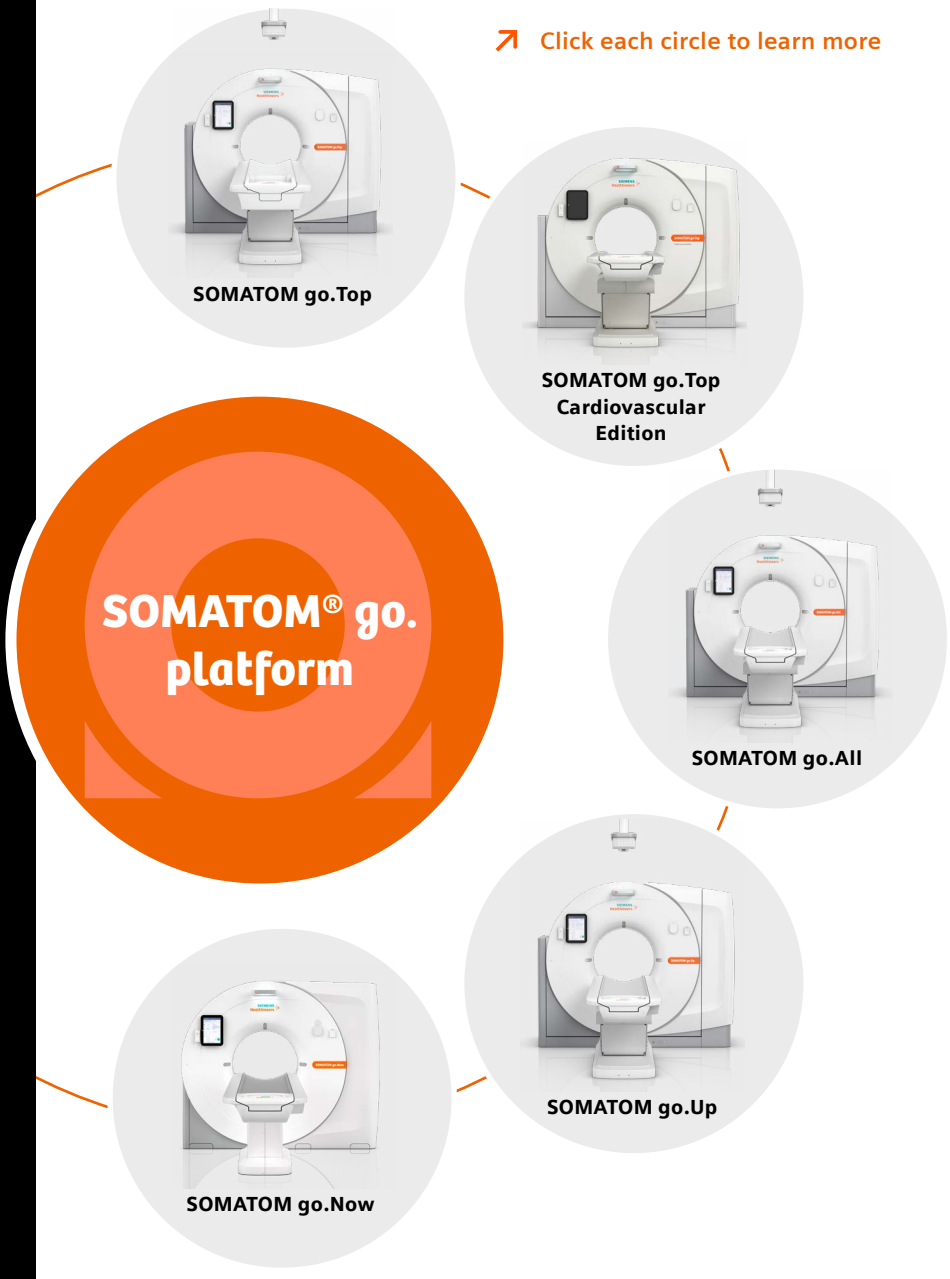


# Make success your daily business

In a market characterized by intense competition, more selective patients, and reimbursement cuts, healthcare providers must find ways to leverage technological advancements while securing income and referrals.

We want to help you succeed day after day. This is why we developed the SOMATOM® go.platform. Our SOMATOM go. scanners feature a unique tablet-based mobile workflow, user guidance with our GO technologies, and exclusive innovations such as Tin Filter low dose technology.

Click each circle to learn more



# Focus on your patients

Today's healthcare market is highly competitive. And with patients turning into critical consumers, it's becoming increasingly important to optimize their diagnostic experience to stay successful. Healthcare providers have to thrive in a highly competitive market driven by value-based reimbursement. To keep the business growing, you need to improve patient experience and expand your clinical portfolio. With the SOMATOM go.platform, you can do just that. We upgraded our successful scanner with our unique Mobile Workflow and smart tools that help you stay with your patients longer and provide closer care.

SOMATOM go.platform also includes intuitive, AI-powered scan automation and new clinical features —making procedures like preventative care, e.g., lung cancer screening available for daily practice.

Of course, the CT scanner comes with the image quality and dose reduction technologies you expect from us, as well as built-in solutions for lower lifecycle costs.

This platform turns user requirements into solutions and offers you a scanner to meet your needs. Cover the full clinical spectrum—easily. And adapt your workflow to every indication.

**SOMATOM go.Top** delivers advanced imaging capabilities for full line hospital work such as trauma and advanced cardiac.

**SOMATOM go.Top Cardiovascular Edition** meets all your cardiac imaging needs in the outpatient or office-based setting.

**SOMATOM go.All** allows you to take on advanced CT procedures in the busiest imaging departments.

**SOMATOM go.Up** allows you to enhance your routine practice and enter the field of preventative imaging, e.g., lung cancer screening.

**SOMATOM go.Now** is the ideal system for specialized imaging centers and basic imaging requirements.

# Why this CT scanner is your CT scanner

The SOMATOM go.platform originates from the medical community. As a member of this platform, SOMATOM go.platform was co-created with 500 of our customers, from CEOs to the wonderful people who care for patients every single day. After some successful years, we decided to turn more user requirements into solutions. This wouldn't have been possible without you. Thank you.


**Improve patient experience**
with mobile devices that let you focus on your patients

**Increase standardization**
with GO technologies powered by Artificial Intelligence

**Transform care delivery**
with preset patient pathways for various clinical applications

**Enhance efficiency**
with AI-based patient positioning and remote scanning assistance for technologists

**Optimize the diagnostic experience**
with the ambient mood lighting and low noise

*“Which shoulder is to be reconstructed?”*

*“Does the patient have metal implants?”*

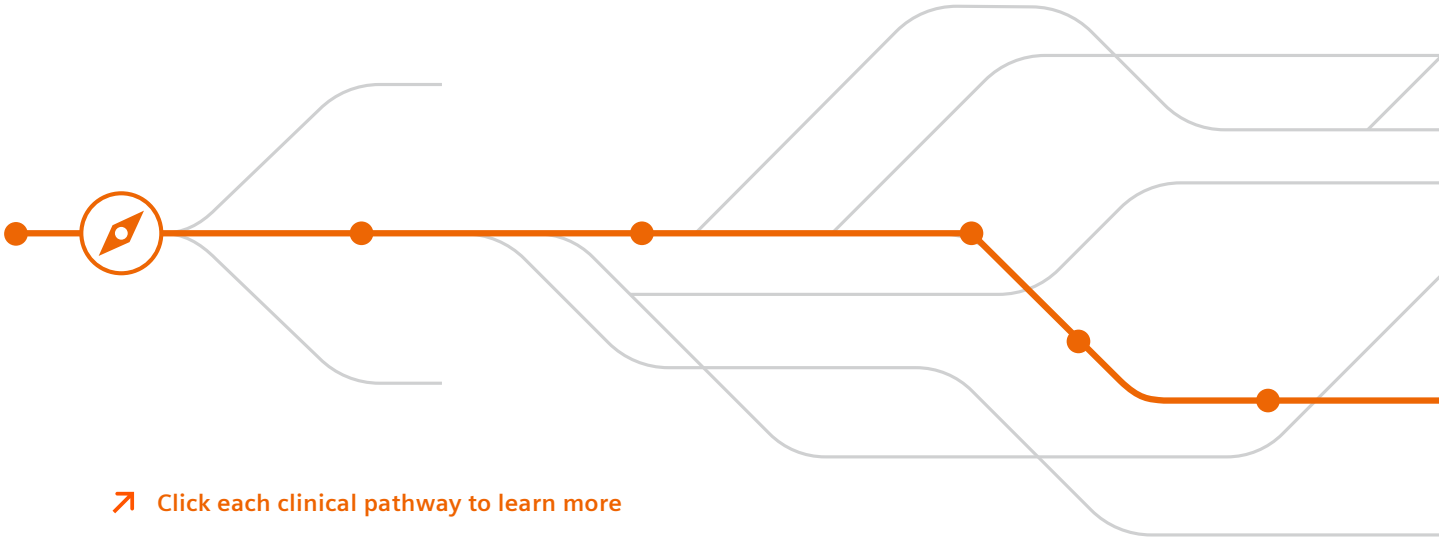
*“Single or spectral imaging?”*

## myExam Companion takes you to the predefined scan strategy

Answer a handful of simple questions. And myExam Companion guides you quickly and safely through any procedure.

↗ Click to learn more

↗ Visit myExam Companion website



↗ Click each clinical pathway to learn more

### Cardiac Pathway

### Oncological Pathway

### Calculi Pathway

### Thorax Pathway

### Gout Pathway

# An obese patient.
# Suffering from claustrophobia.
# A worklist of 22 further exams ahead.

**Stay cool. Stay mobile. Stay with your patient. With our Mobile Workflow.**

Mobile devices, connected data. Giving you more time for those who need you. Read the whole story on pages 8-11.

# Improve patient experience with trendsetting workflows

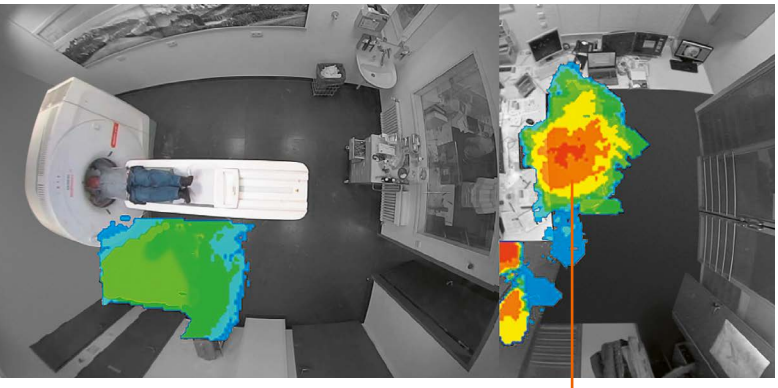
Patient expectations are increasing and patients are becoming more vocal about their healthcare experience. With the Mobile Workflow on the SOMATOM go.platform, your patients feel personally attended to and experience their treatment more positively.

## Workstation – use it where you need it

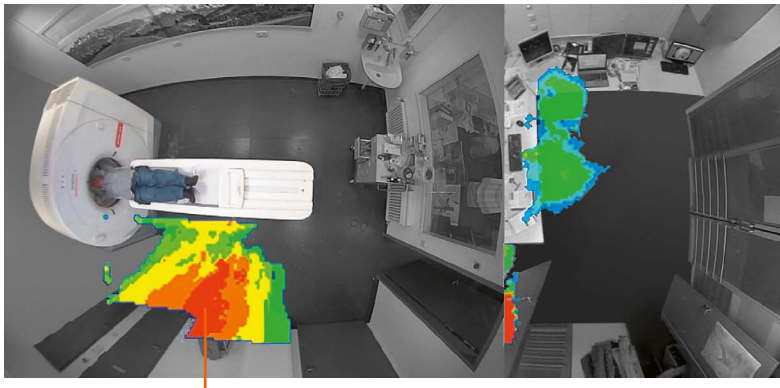
Thanks to tablet-based operation and gantry-integrated computers, a SOMATOM go. scanner gives you complete flexibility over where you position the workstation. Depending on your needs and infrastructure, you can choose where to set it up.

↗ Click to learn more

## Less time in the control room, more time with the patient



A standard workflow—with most of the operator's time spent in the **control room**.



The unique Mobile Workflow with SOMATOM go.platform—a huge shift toward spending most of the time **with the patient**.[4]

Average time spent on location:

Low — High

## Higher efficiency, higher patient comfort, fewer motion artifacts

Thanks to mobile devices and connected data, you can stay close to the patients who need attention most, like small children, and put them at ease. This may help with reducing patient motion and thereby improving image quality.

More time spent with the patients may improve their examination experience.

## The Mobile Workflow – figures tell the story compared to conventional workflow

**20%**
faster patient preparation[4]

**62%**
increase in positive patient experience[4]

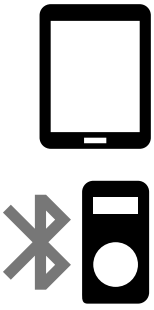
**90%**
more time spent in the same room with the patient, plus higher freedom of movement for radiologists[4]

**39%**
increase in patients who feel more satisfied from the medical service they receive[4]

*The statements by Siemens Healthineers' customers described herein are based on results that were achieved in the customer's unique setting. Since there is no "typical" hospital and many variables exist (e.g., hospital size, case mix, level of IT adoption) there can be no guarantee that other customers will achieve the same results.*

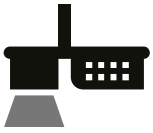
# A new workplace design – a new working experience

# Focus on your patients and improve not only their experience and satisfaction, but also yours.

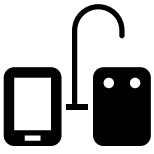


**With the tablet, you can ...**
- have total freedom over how you work
- stay close to the patient at all times:
  - preparing all scans right at the gantry
  - previewing images directly at the tablet
- use up to three tablets simultaneously
- dock and charge the tablets at the docking station

**The remote control helps you to ...**
- simplify patient positioning
- start the scan remotely, complementing the tablet for a true Mobile Workflow



**The FAST 3D Camera* opens up new ways to ...**
- capture the patient's shape, positioning, and height in 3D
- even recognize body contour (e.g., when patients are wearing thick clothes)
- use this data for accurate and reproducible patient positioning



**The gantry-mounted injector arm lets you ...**
- position the injector where you need it, when you need it
- flexibly move it to other positions
- work in a neat and patient-centered environment without a blocking injector cart

**The gantry-integrated camera makes it easy to ...**
- keep an eye on the patient
- calm patients thanks to ambient mood lighting
- visualize the scan duration using the integrated digital countdown for breath-hold

**The gentle voice and sound design lets you ...**
- increase patient comfort and improve your working environment with a low noise level even during peak operation
- give patients gentle voice guidance of breathing instructions

**Available only on the SOMATOM go.Up, SOMATOM go.All and SOMATOM go.Top*

# Smart helpers that let you go for any pathway

SOMATOM go.platform features smart helpers to standardize and simplify your departmental processes—from patient setup to image distribution, archiving, and reading. Prevent repetitions. Skip routines. And dedicate your energy to patients and results.

## myExam Companion

myExam Companion launches the era of intelligent imaging. Using the new possibilities of digitalization, it turns data into built-in expertise. This helps users efficiently achieve reproducible results—by unlocking your modality's full potential.

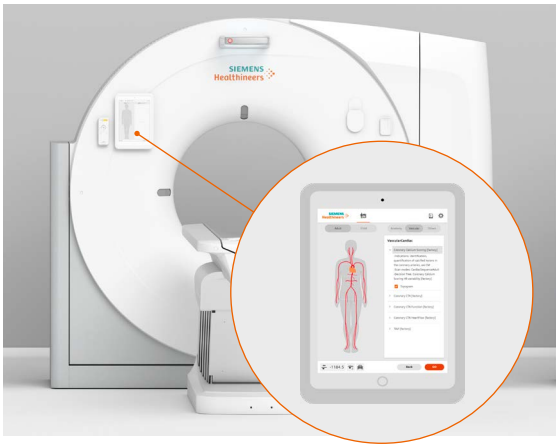
myExam Companion guides users through any procedure, so they can interact easily and naturally with both patient and technology. No matter the user, patient, or throughput, it helps generate consistent, comprehensive results.

## AI-Rad Companion

AI-Rad Companion is our family of vendor-neutral, multi-organ augmented reading solutions. Taking over basic, repetitive tasks, they support experienced staff in working at the top of their license. AI-Rad Companion reading solutions automatically prepare the clinical input: They identify and quantify relevant anatomies and abnormalities and put findings into a diagnostic context.

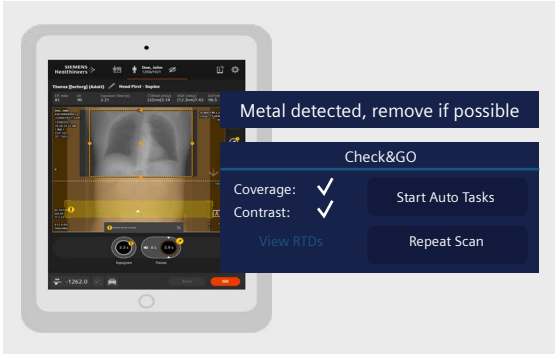
## Scan&GO

Anticipate potential breathing artifacts: Train breath-hold with your patients using Scan&GO.
It also lets you control scans remotely and check images quickly, right after the scan, on your tablet – so you can spend more time with your patients.
What's more: You can enhance your degree of freedom by using up to three tablets in perfect sync.



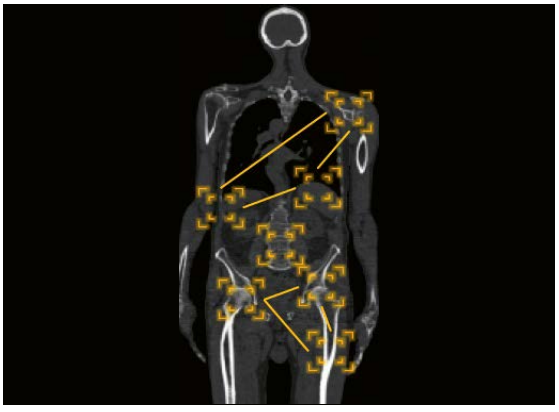

## Check&GO

Based on big data, the intelligent algorithms from Check&GO identify potential errors with organ coverage or contrast media volume and distribution plus the presence of wearable metal objects (e.g., belts, necklaces). This helps you take immediate action or correction.



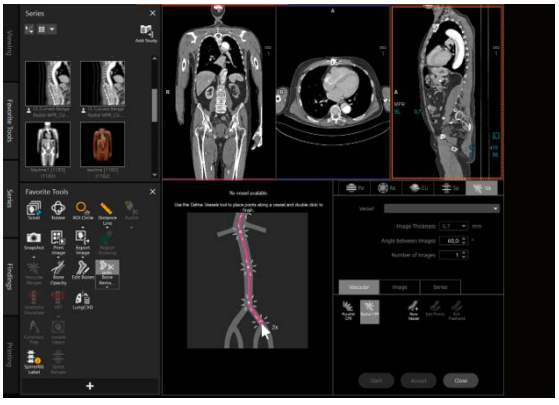

## Recon&GO

Recon&GO delivers fast and standardized results irrespective of the operator. With AI recognizing patient landmarks and anatomies, it automates postprocessing tasks to reduce repetitive workflow steps. Even spectral imaging becomes routine, since Recon&GO automatically creates zero-click results. It offers a fully automated recon process for any organ—including all vascular views for contrast-enhanced CT reporting.



## CT View&GO

CT View&GO enables smooth reading in one workflow right at the scanner. Advanced CAD algorithms and applications boost diagnostic confidence. Communication within your department is easy, since CT View&GO automatically films and distributes images and results according to your settings.

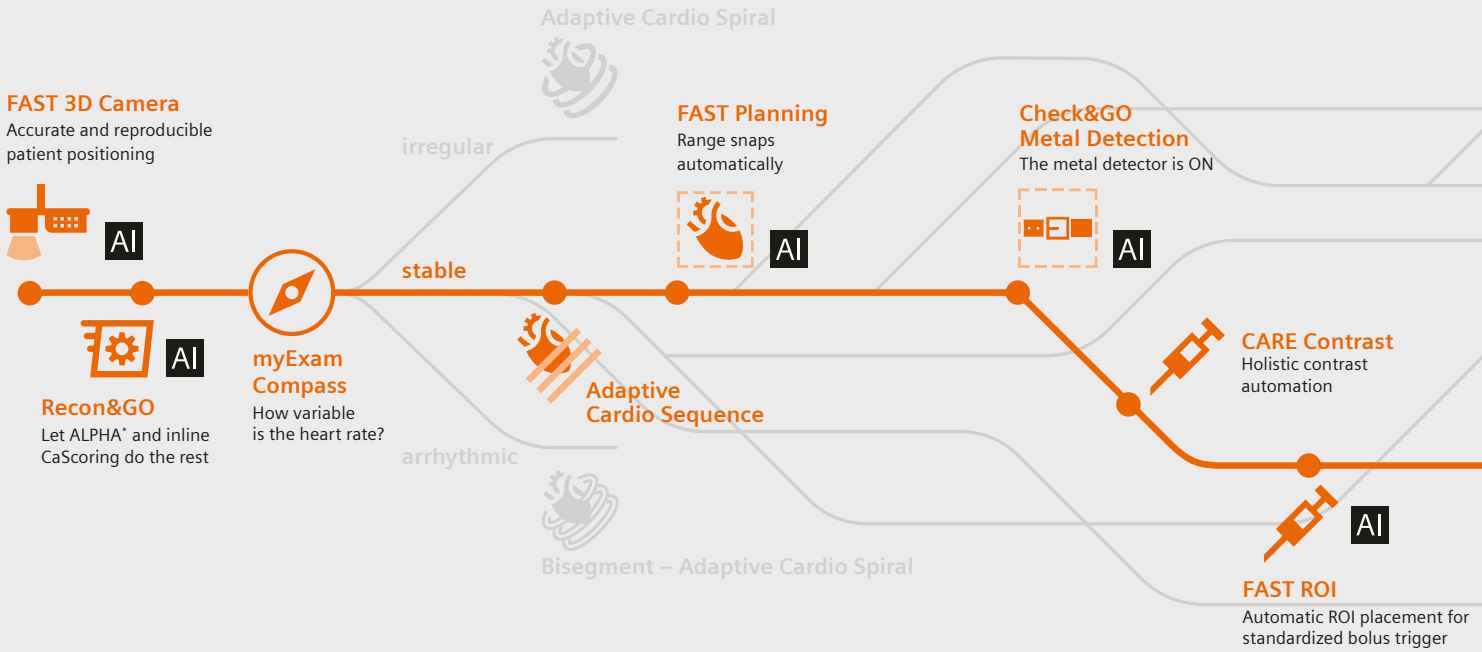


# Transform care delivery with your new patient pathways

With every patient and clinical indication being different, fast and easy adaptation is key to success. Confidently offer advanced CT procedures and optimally adapt to each type of patient: SOMATOM go.Top and SOMATOM go.Top Cardiovascular Edition offer clear patient pathways that help you turn challenging clinical fields into daily routine.

On this and the following pages, discover the example of three clinical pathways plus the enabling technologies, most of which were adopted from our high-end scanners.

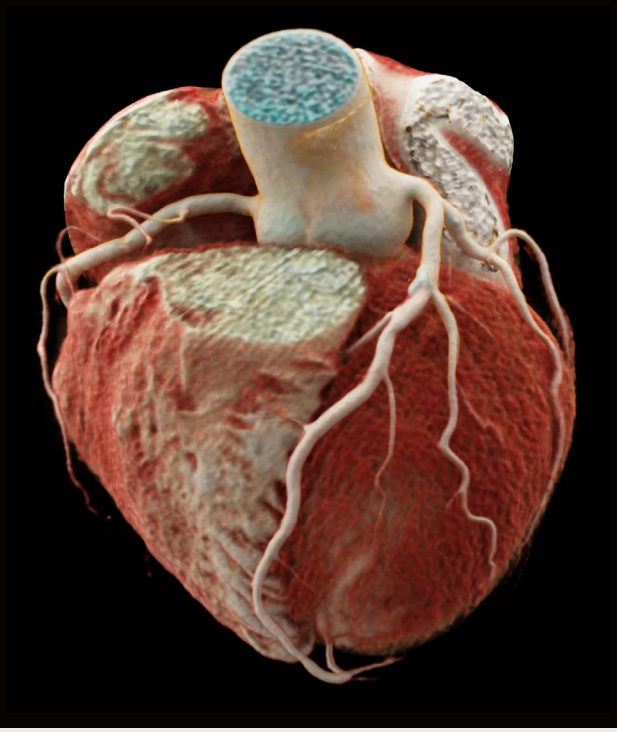
## myExam Companion guides you through your cardiac examination



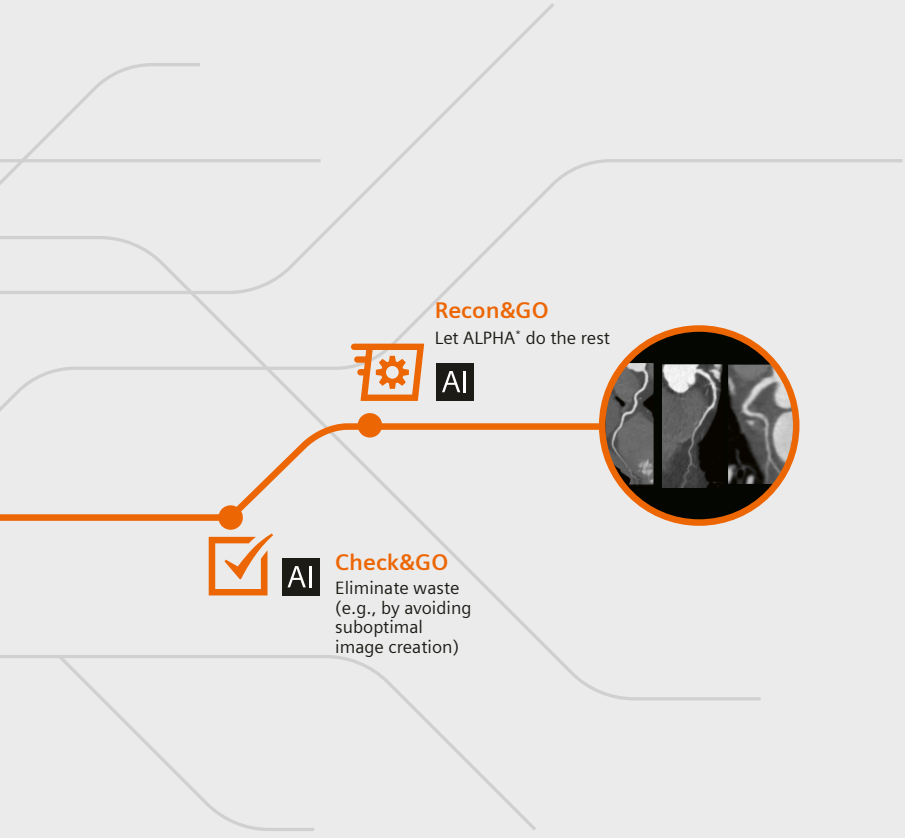



AI *Artificial Intelligence inside* *Automatic Landmarking and Parsing of Human Anatomy

**Still think that this outcome is difficult for you to get?**
The new patient pathway leverages the full potential of technologies automatically and takes you there.



*Courtesy of Erlangen University Hospital, Erlangen, Germany*

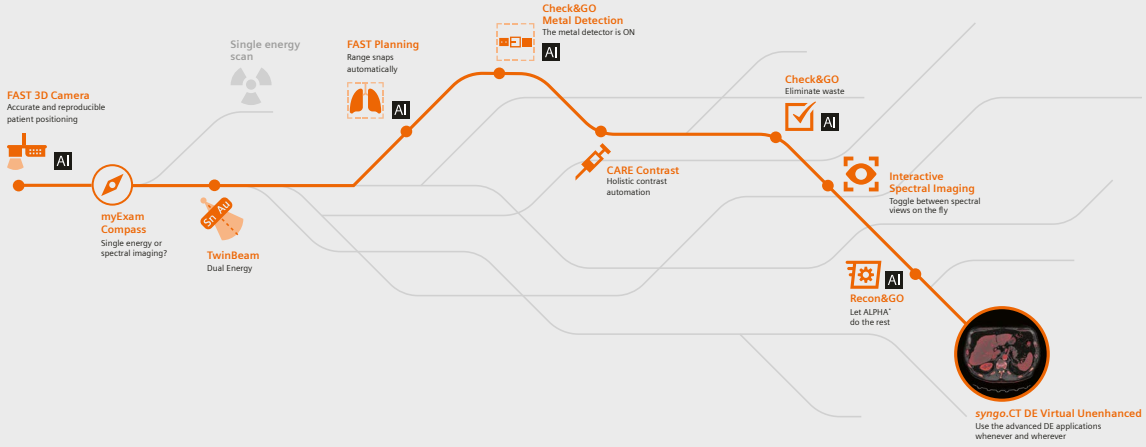



Cardiac CT made easy with SOMATOM go.Top and SOMATOM go.Top Cardiovascular Edition: myExam Compass, breathing training, and other smart helpers let you focus on what is most important, your patient. Minimize motion artifacts and optimize image quality by relying on the fast temporal resolution and the highest tube current of its class. And let automated postprocessing do the rest, providing you with comprehensive results for your cardiac assessment.

For more information on the technologies, see pages 20-22.

# What exam do you GO for today?

## myExam Companion guides you through your oncological assessment with spectral imaging



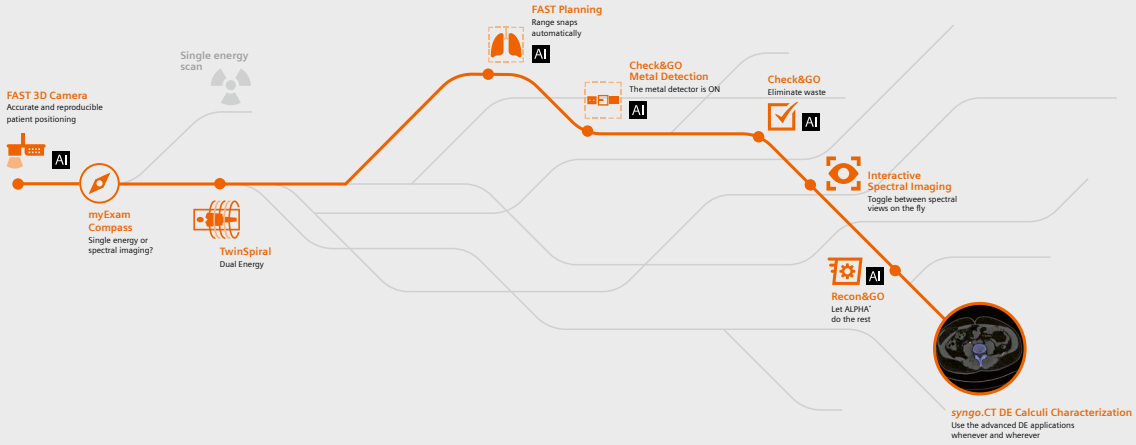

AI *Artificial Intelligence inside*
**Automatic Landmarking and Parsing of Human Anatomy*

*FAST 3D Camera is available on the SOMATOM go.Top, SOMATOM go.All, SOMATOM go.Up*

*TwinBeam Dual Energy is only available on the SOMATOM go.Top*

Spectral imaging revisited: A thorough solution for your oncological assessment with various postprocessing capabilities available directly at the acquisition workplace.

## myExam Companion guides you through your spectral imaging of calculi

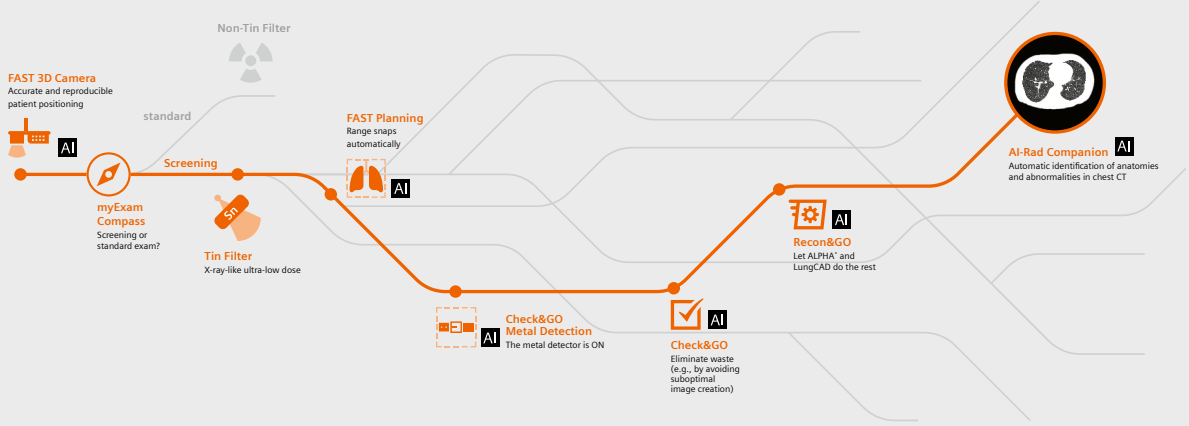



AI *Artificial Intelligence inside*
**Automatic Landmarking and Parsing of Human Anatomy*

*FAST 3D Camera is only available on SOMATOM go.Up, go.All and go.Top*

Spectral imaging revisited: Experience the improved spectral separation with the Tin Filter and benefit from various postprocessing capabilities for your color-coded images.

# myExam Companion guides you through your thorax examination

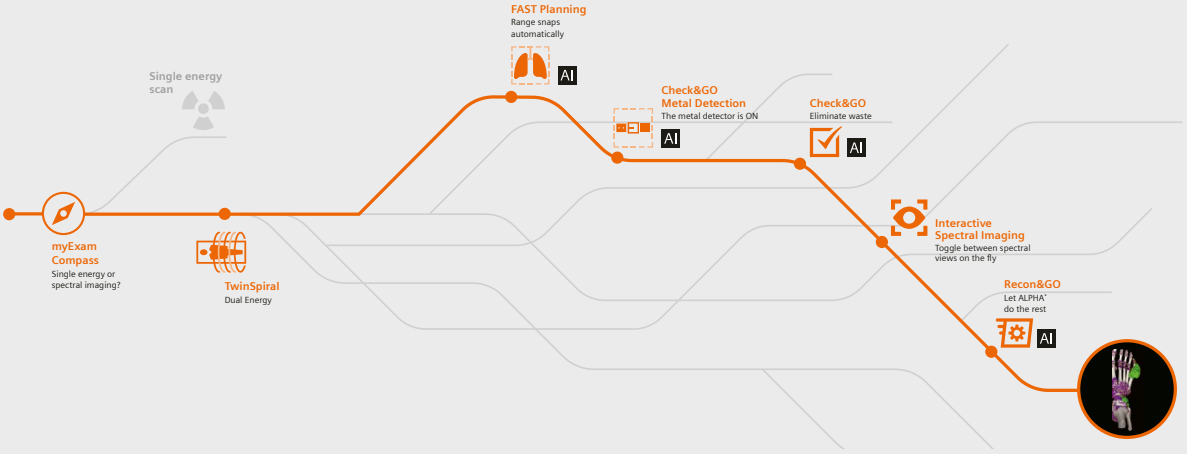



With SOMATOM go.platform you can achieve ultra-low-dose thoracic examinations powered by the Tin Filter. The AI-Rad Companion complements the workflow with your augmented reading aide.

For more information on the technologies, see pages 20-22.

*FAST 3D Camera is available on the SOMATOM go.Top, SOMATOM go.All, SOMATOM go.Up*

# myExam Companion guides you through your spectral imaging of gout




AI *Artificial Intelligence inside*
**Automatic Landmarking and Parsing of Human Anatomy*

Spectral imaging revisited: Experience the improved spectral separation with the Tin Filter and benefit from various postprocessing capabilities for your color-coded images.

# See it with your own eyes

Whether routine imaging in neurology, oncology, and pediatrics or more complex exams. Equipped with premium technologies, SOMATOM go.platform delivers high image quality—always on.

↗ Click each system name below to see more

**SOMATOM go.platform**

**SOMATOM go.Top**

**SOMATOM go.Top Cardiovascular Edition**

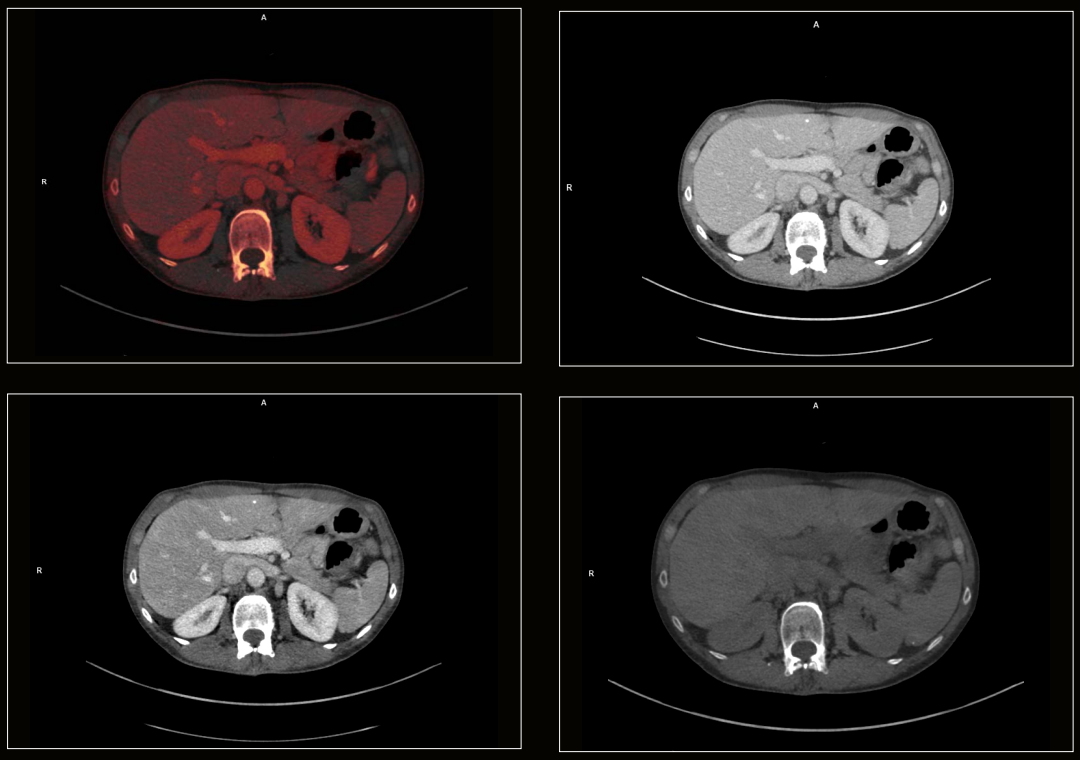
**SOMATOM go.All**

**SOMATOM go.Up**

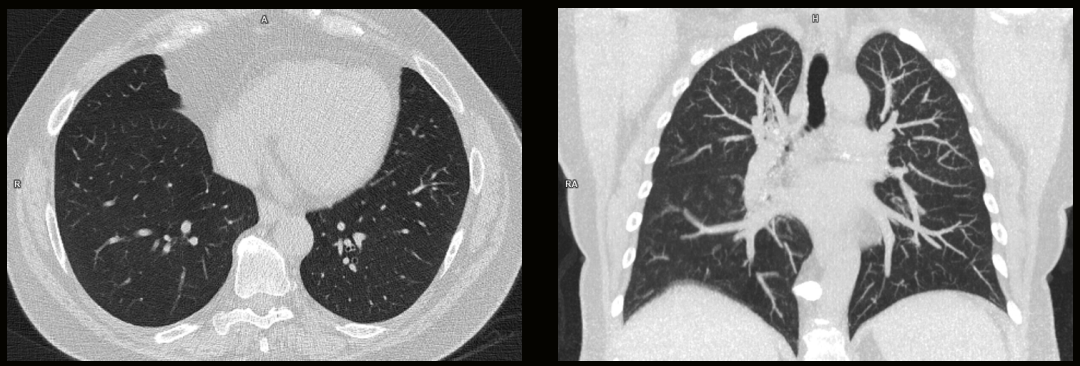
**SOMATOM go.Now**

**Spectral imaging with TwinBeam Dual Energy**

- **Mixed, Iodine, Virtual Non-Contrast (VNC), and Monoenergetic Plus (50 keV)**
- **Tube current: AuSn120 kV**
- **$CTDI_{vol}$: 5.21mGy**



*Courtesy of Jackson Imaging Center-Montgomery, AL*

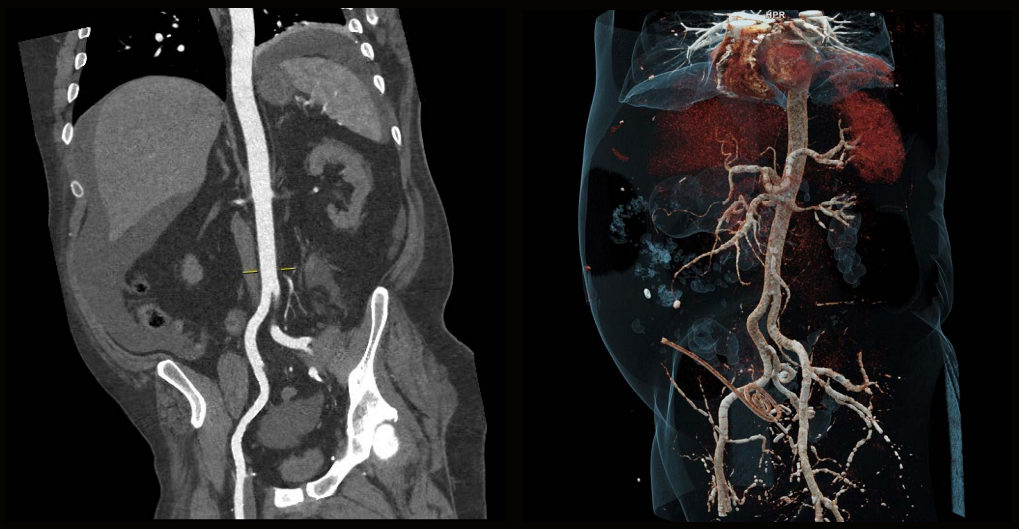


*Courtesy of The Ohio State University Wexner Medical Center-Columbus, OH*

**Ultra-low-dose lung scan after intervention**

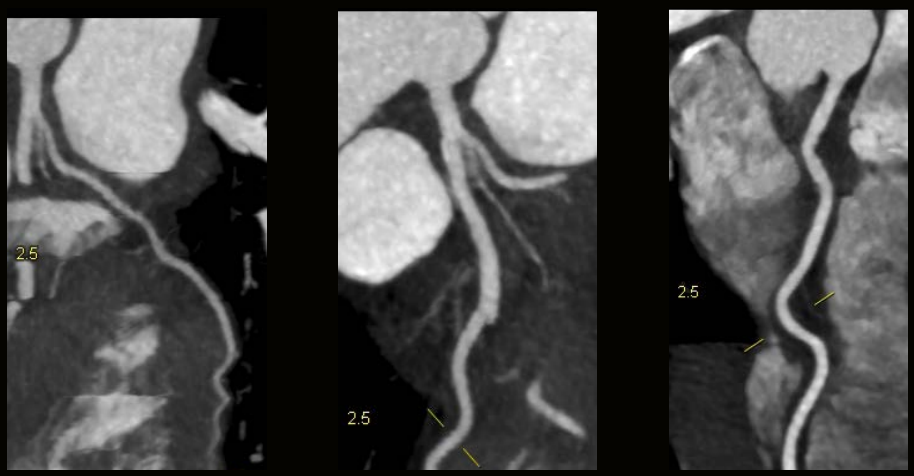
- **1 mm MPRs**
- **Tube current: Sn110 kV**
- **$CTDI_{vol}$: 1.17 mGy**

*Courtesy of The Ohio State University Wexner Medical Center-Columbus, OH*



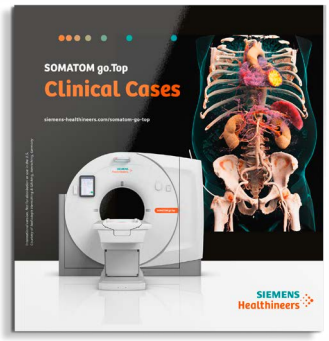
**Low-kV imaging in obese patients**
- **3 mm MPR and**
- **Cinematic VRT**
- **Tube current: 90 kV**
- **$CTDI_{vol}$: 3.27 mGy**

*Courtesy of The Ohio State University Wexner Medical Center-Columbus, OH*




**Adaptive cardio sequence**
- **Curved MPRs**
- **Tube current: 70 kV**
- **$CTDI_{vol}$: 2.77 mGy**
- **Heart rate: 65 bpm**

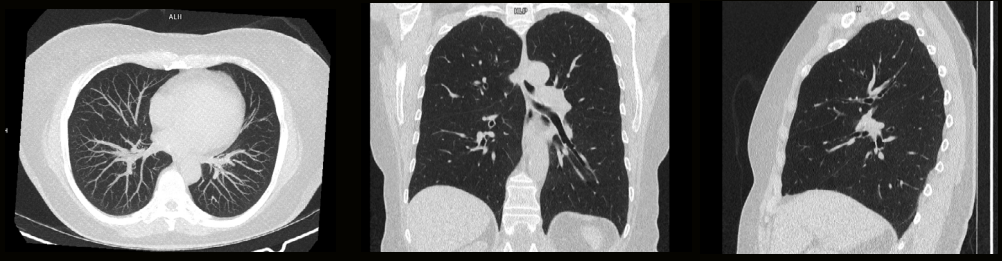
# See more cases in our clinical case booklet




It's impossible to show all the clinical values of SOMATOM go.platform on just a few pages. That's why we created a booklet containing a collection of different cases and clinical images—all acquired with SOMATOM go.platform.

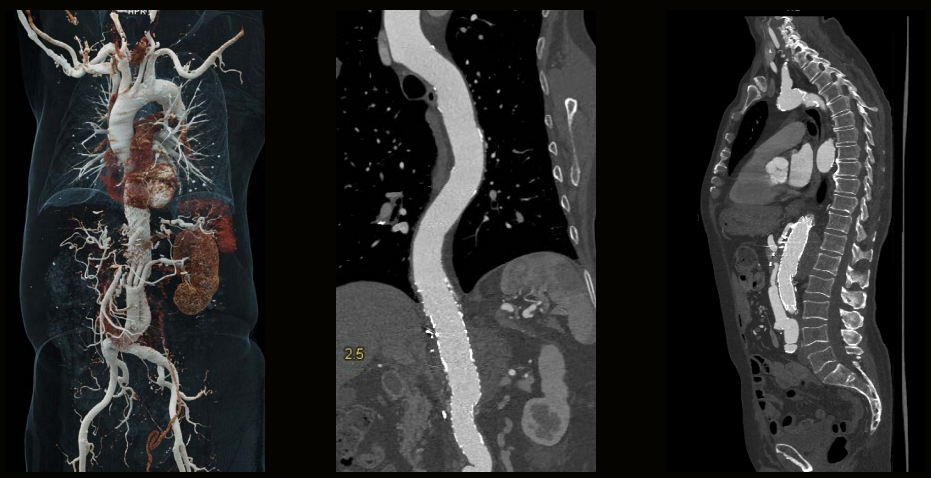
- SOMATOM go.Top
- SOMATOM go.Up
- SOMATOM go.Now
- SOMATOM go.All

*Courtesy of St.Lukes CTI Chesterfield, St.Louis, MO*



**Low-dose lung imaging for nodule visualization**
- Thick-slice MIP and
- coronal and sagittal MPR
- Tube voltage: Sn110
- $CTD_{Ivol}$: 0.87mGy

*Courtesy of St.Lukes CTI Chesterfield-St.Louis, MO*
*Cinematic VRT performed with syngo.via*



**High-end study of the aorta**
- Oblique VRT
- Tube voltage: 80 kV
- $CTDI_{vol}$: 3.42 mGy

# The secrets of low dose and high image quality

SOMATOM go.platform allows you to serve the full clinical spectrum. Equipped with premium technologies, it lets you confidently integrate specialized CT procedures into daily routine.

## Stellar detector

Reduces image noise in every scan, while the advanced iterative reconstruction SAFIRE[5] delivers image quality at very low dose. Due to an increased channel density and a new geometry, the detector provides homogenous high image quality, even in complex areas.

The Stellar detector demonstrates clinical value with improved image quality, reduced image noise and fewer artifacts when compared to previous detector generations.

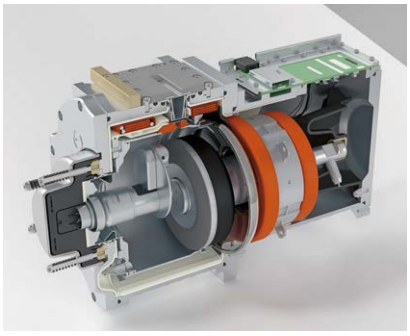
## High Power

High Power allows you to scan at the highest tube current in their class: up to 400mA at 80kV on SOMATOM go.Now & go.Up thanks to the Chronon X-Tube. Up to 825mA even at 70kV on SOMATOM go.All & go.Top with Athlon Tube.

**Benefits**

- Low kV with high currents enhances iodine contrast, which is especially useful for very small vessels
- Utilize very low tube currents for ultra low-dose scanning and lung cancer screening
- Maximize the usage of the Tin Filter for soft tissue imaging
- Profit from increased reliability with its compact design and highly efficient tube cooling

Chronon X-Tube

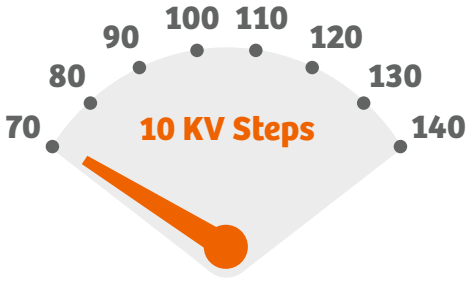


Athlon™ X-ray tube

# The secrets of low dose and high image quality

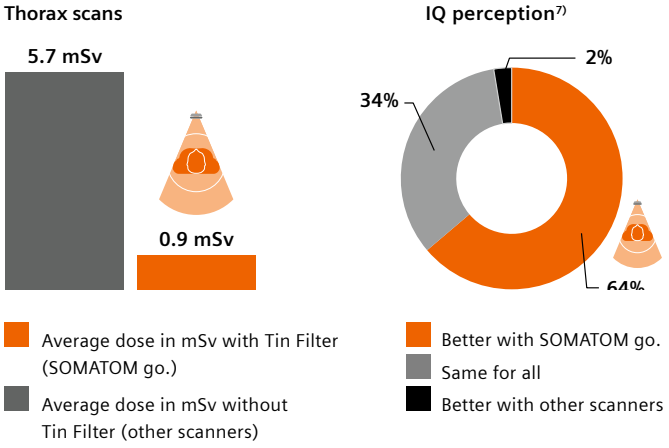
## 10 kV Steps & CARE kV

On SOMATOM go.All & go.Top the tube voltage is automatically tailored to each patient and clinical indication by CARE kV. Voltage levels can be adjusted at intervals of 10 kV for less dose and high contrast resolution and are aligned with respective tube currents. This keeps dose low, while image quality stays high.



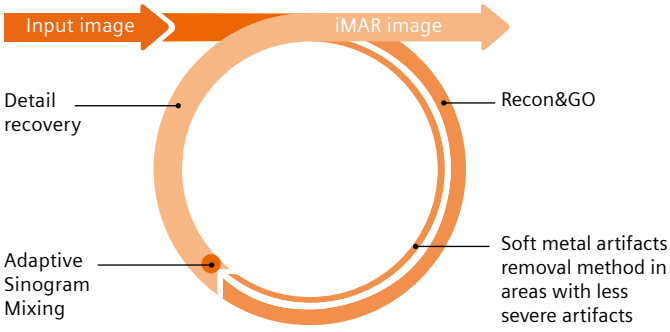

## Tin Filter

Achieves ultra-low dose levels by cutting out lower energies and optimizes image quality at the interface between soft tissue and air. This unique technology from Siemens Healthineers has direct benefits in lung and colon imaging, for example. Clinical experience also shows that the unique Tin Filter technology reduces beam-hardening artifacts and improves image quality in bony structures.



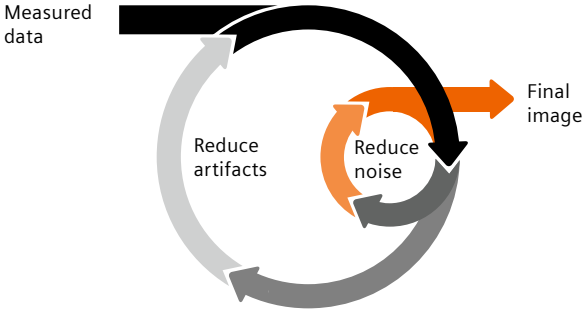

## iMAR

Reduces metal artifacts for better image quality without increase in dose. The high-end algorithm can handle a wide variety of metal implants for smoother, more efficient workflows. iMAR[8]—iterative metal artifact reduction—helps you handle metal implants such as dental fillings, pacemakers, and extremity implants.




## SAFIRE

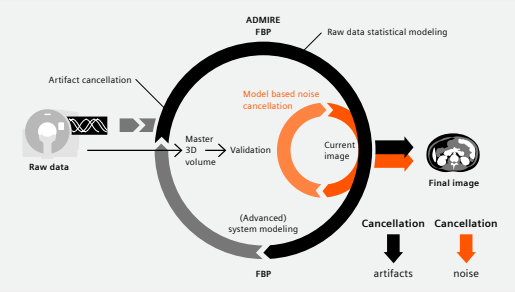
SAFIRE (sinogram affirmed iterative reconstruction) is an iterative reconstruction algorithm that delivers image quality at low dose.[5] It is fast, simple to use, and can be easily implemented into daily routine.



# The secrets of low dose and high image quality

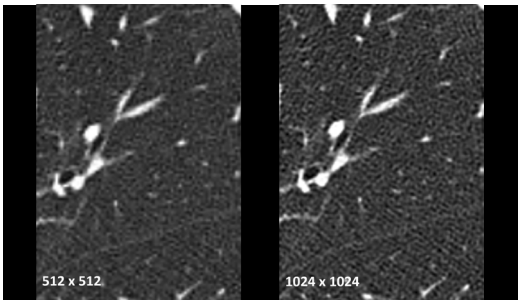
## ADMIRE

With ADMIRE (Advanced Modeled iterative reconstruction) clinical images additionally benefit from higher resolution at organ borders and improved edge delineation. Available on SOMATOM go.All and go.Top.



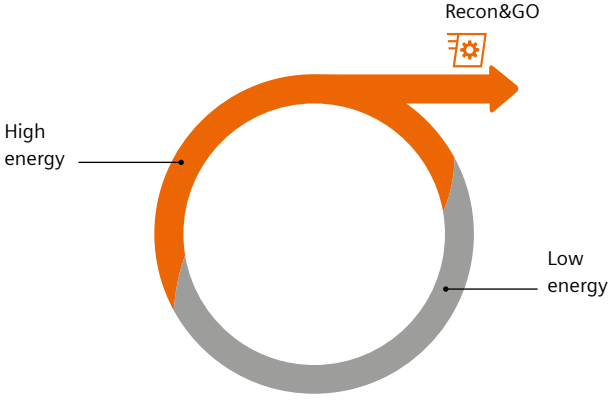

## Precision Matrix

Reconstructions of images with matrix sizes of up to 1024 x 1024 and 768 x 768, useful to keep spatial resolution high even at full scan FOV. Powered by myExam Companion, the right image matrix size for axial and 3D reconstructions is automatically selected depending on FOV offering a balance between storage demand, reconstruction time and spatial resolution.




## Spectral imaging

Launches the next generation of spectral imaging in clinical routine: The holistic solution with two Dual Energy modes prepares you for virtually all clinical questions. TwinBeam Dual Energy acquires low- and high-kV data sets in a single scan, providing an unparalleled wealth of diagnostic information. TwinSpiral Dual Energy provides both morphological and functional information in non-contrast scans by a new workflow concept of two scans integrated into a single acquisition. With an improved spectral separation due to the Tin Filter, better dose distribution, and the well-known GO technologies, this makes a holistic solution—routine-ready with extra advanced automation.




## FAST 3D Camera*

**Expanding precision medicine with automated patient positioning**

The industry's first and only automated patient positioning system leveraging artificial intelligence. Activated by gantry-mounted touch screens, the FAST 3D Camera uses infrared technology and artificial intelligence to recognize anatomical landmarks. The FAST Integrated Workflow helps our customers reduce variability and errors, increase efficiency, and personalize patient dose.


**Available on SOMATOM go.Up, go.All and go.Top.*

# The secrets of low dose and high image quality

## myNeedle Companion for CT-guided Interventions

myNeedle Companion is the first Siemens Healthineers solution that harmonizes planning and guidance for percutaneous needle procedures across modalities. myNeedle Companion supports the interventionalist by utilizing the standard system tablet to interact with the system software and the images with touch-gestures from inside the examination room to stay close to the patient during a procedure.


## myNeedle Guide 2D

Assists in planning and guiding the needle during in-plane percutaneous CT-guided interventions. Dedicated tools support the planning of a needle path by providing distance and angle measurements from the target to the needle entry point in one or several axial CT slices. It includes i-Sequence scan mode referred to as FAST i-Sequence as it allows for quick scan repetitions, e.g., for dynamic monitoring of the needle.

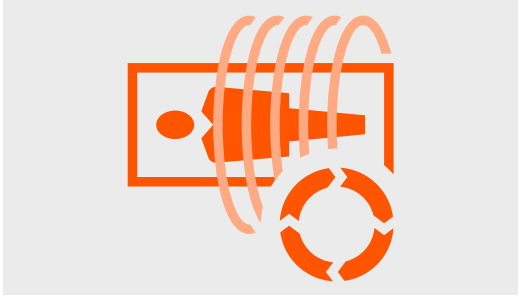
FAST i-Sequence acquiring three slices

## myNeedle Guide 3D

Supports all kind of percutaneous procedures, from simple in-plane interventions, to complex, double-angulated procedures. myNeedle Guide 3D supports planning of multiple needle paths by measuring distances and angles from the target to the needle entry point on one or several axial CT slices and as well on Multi Planar Reconstructions.

**It includes:**

- i-Sequence scan mode referred to as FAST i-Sequence as it allows for quick scan repetitions, e.g., for dynamic monitoring of the needle
- i-Spiral mode for flexible volume coverage to adjust it to clinical scenarios and for a dose conscious approach standard dose reduction algorithm such as CARE Dose4D and CARE kV can be applied as well
- Dedicated i-Sequence mode covering the full detector width which allows 3D planning and guidance



i-Spiral scan mode for flexible volume coverage

*i-fluoro with HandCARE can be combined with myNeedle Guide 2D and 3D. i-fluoro has been designed for fast and precise placement, even in most complex, moving anatomies.*

# Rounding out your daily experience

Discover more smart tools that help facilitate your daily routine.

## *syngo*.via View&GO

*syngo*.via View&GO is an intuitive multimodality reading and viewing solution that provides smart access to speed up your daily routine. The flexible stand-alone software solution is equipped with a wide range of clinical tools. You can start right away to read and evaluate your studies with ease—located in one familiar and intuitive environment. *syngo*.via View&GO drives performance and simplicity by bringing the same look and feel for the scanner and reading environment.

**Easily download and install *syngo*.via View&GO on various types of hardware – for example, on your computer.**

1 Download the software packages from the internet.

2 Receive your user information input and registration via email and the activation key from your local Siemens Healthineers Sales Representative.

3 Validate your registration information online.

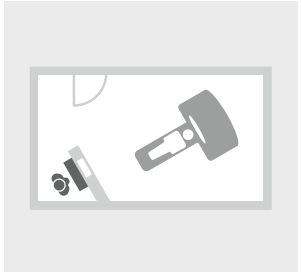
4 Install the software packages on your computer.

# Improve profitability with a smart investment

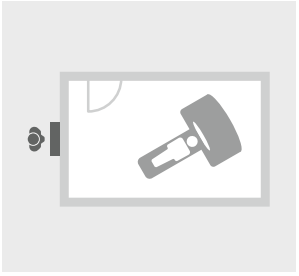
With reimbursements and budgets shrinking, the initial investment and the Total Cost of Ownership (TCO) become key factors of your CT system. That's why SOMATOM go.platform has been designed for clever savings, reduced lifecycle costs, and easy fleet management.

## Initial investment: Outsmarting installation costs

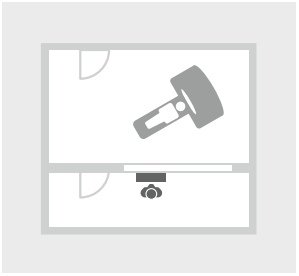
SOMATOM go.platform comes with low installation costs. Thanks to gantry-integrated computers and the flexible room concept, you no longer need to invest in a separate control room. Whatever concept you choose, your operators are fully protected while the X-ray is on:



Niche setup in the examination room



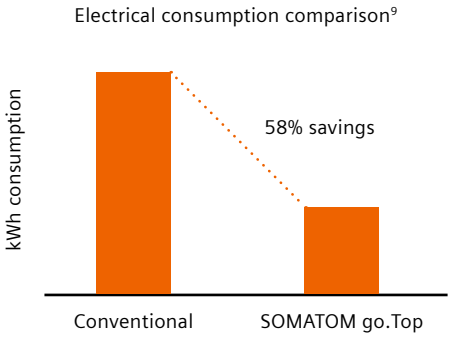
Workstation outside the room, e.g., in the corridor



Traditional two-room setup with separate control room

## Reducing operational costs

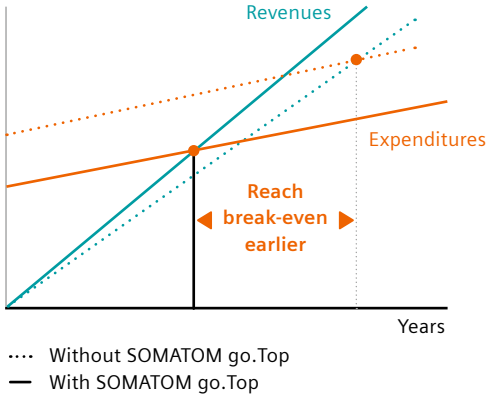
SOMATOM go.platform is designed with an eye to reducing operational costs. A clear focus was put on minimizing standby consumption, which represents 90% of the total electrical consumption costs.




## A boost for your business

SOMATOM go.platform has everything you need to give your CT business a new push forward. You can:

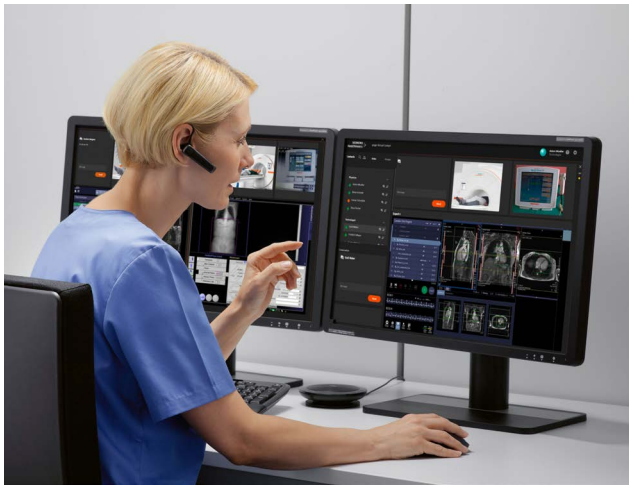
- Unlock more reimbursement opportunities thanks to intuitive workflows
- Increase patient throughput and thus revenue due to faster positioning, simplified workflows, and the ability to scan more kinds of patients
- Decrease installation costs thanks to the flexible room concept
- Cut running costs with ultra-low energy consumption during scanning and standby



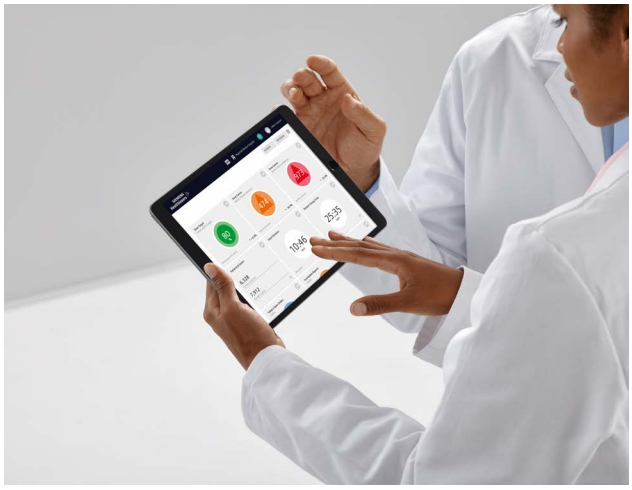

## Fleet management: Enhance standardization and drive efficiency

*syngo* Virtual Cockpit is designed to assist scan procedures from a distance. Enabled by *syngo* Expert-i, expert colleagues receive access to the scanner and can support less experienced technologists—for reproducible results across your entire CT system fleet.

And with our cloud-based performance management solution teamplay, you get a transparent overview of your system data. Easily identify areas for improvement and monitor your Siemens Healthineers fleet's performance.



Enable remote scanning assistance with *syngo* Virtual Cockpit.



Optimize scanner performance with teamplay.

# Your product services in the digital era

SOMATOM go.platform equipment service is based on Siemens Healthineers matchless service infrastructure around the world:

**>207 billion**
data points for >5,000 patterns in neural network

**>40,000**
updates & upgrades per year

**>50%**
remote solving rate

**>27,000**
active systems and >2,000 service engineers

## Service Plans with AdvanceNow: The service plan in the digital era

Siemens Healthineers service agreements are designed for maximized efficiency and excellent clinical outcome in the digital era. They comprise a wealth of innovative and intelligent services that keep you cutting-edge, connected, and competitive. At the core of every service contract is Siemens Healthineers' continuous update and upgrade service, AdvanceNow. This key component provides frequent software updates and upgrades—including cybersecurity patches—and replacement of computer hardware as required, enabling you to benefit from advancements in intelligent imaging. Keep your imaging equipment up-to-date, constantly and easily.


Based on this exceptional infrastructure and connected through our Smart Remote Services, SOMATOM go.platform offers unique services to continuously ensure system availability:

**Condition-based maintenance**
Reduced maintenance downtime through system load-specific maintenance intervals. Key components and parameters of the system are constantly monitored with regards to maintenance tasks.

**Remote technical support**
Improved equipment uptime through fast access to technical expertise and usage of advanced tools. Technical experts provide you with fast and efficient support to restore your operations and increase the availability of your equipment remotely.

**PEPconnections**
The competency-based online education solution that offers instant access to education, performance support, and expertise. Personalize the education experience of individual employees with customizable learning plans. Assign, create, track, and manage the education of entire groups.

Discover what's inside your

# SOMATOM go.Top

## Key data

| | |
|---|---|
| **Slices** | 128 |
| **Rotation times** | up to 0.33 s |
| **Tube** | 7.0 MHU; equivalent to 17.5 MHU with SAFIRE |
| **Power** | 75 kW (187 kW*) |
| **kV settings** | 70 – 140 and Sn 100 – Sn 140 in selectable 10 kV steps |
| **mA** | up to 825 mA |
| **Max. table load** | up to 676 lb with 200 cm scan range |
| **Iterative reconstruction** | SAFIRE/ADMIRE |


**Equivalent value with SAFIRE[5]*
*Scan specifications will vary depending on system configurations*

Discover what's inside your

# SOMATOM go.Top Cardiovascular Edition

## Key data

| | |
|---|---|
| **Slices** | 128 |
| **Rotation times** | up to 0.33s |
| **Tube** | 7.0 MHU (17.5 MHU equivalent value with SAFIRE [5]) |
| **Power** | 75 kW (187 kW equivalent value with SAFIRE [5]) |
| **kV settings** | 70–140 kV in 10-kV steps, Sn100, Sn110, Sn120, Sn130, Sn140 |
| **mA** | up to 825 mA |
| **z-coverage** | 64 x 0.6 mm |
| **Max. table load** | up to 307 kg |
| **Iterative reconstruction** | SAFIRE/ADMIRE |

**Innovative hardware**
The patient table is equipped with newly designed accessories such as a paper roll holder, an infusion stand, and a storage box on the side.


**Equivalent value with SAFIRE[5]*
*Scan specifications will vary depending on system configurations*

Discover what's inside your

# SOMATOM go.All

## Key data

| | |
|---|---|
| **Slices** | 64 |
| **Rotation times** | up to 0.33s |
| **Tube** | 7.0 MHU; equivalent to 17.5 MHU with SAFIRE |
| **Power** | 75 kW (187 kW*) |
| **kV settings** | 70 – 140 and Sn 100 – Sn 140 in selectable 10 kV steps |
| **mA** | up to 825 mA |
| **Max. table load** | up to 676 lb with 200 cm scan range |
| **Iterative reconstruction** | SAFIRE/ADMIRE |


**Equivalent value with SAFIRE[5]*
*Scan specifications will vary depending on system configurations*

Discover what's inside your

# SOMATOM go.Up

## Key data

| | |
|---|---|
| **Slices** | 64 |
| **Rotation times** | up to 0.8s |
| **Tube** | 3.5 MHU (8.75 MHU*) |
| **Power** | 32 kW (80 kW*) |
| **kV settings** | 80, 110, 130 kV |
| **mA** | up to 400 mA |
| **Max. table load** | up to 676 lb with 200 cm scan range |
| **Iterative reconstruction** | SAFIRE |


**Equivalent value with SAFIRE[5]*
*Scan specifications will vary depending on system configurations*

Discover what's inside your

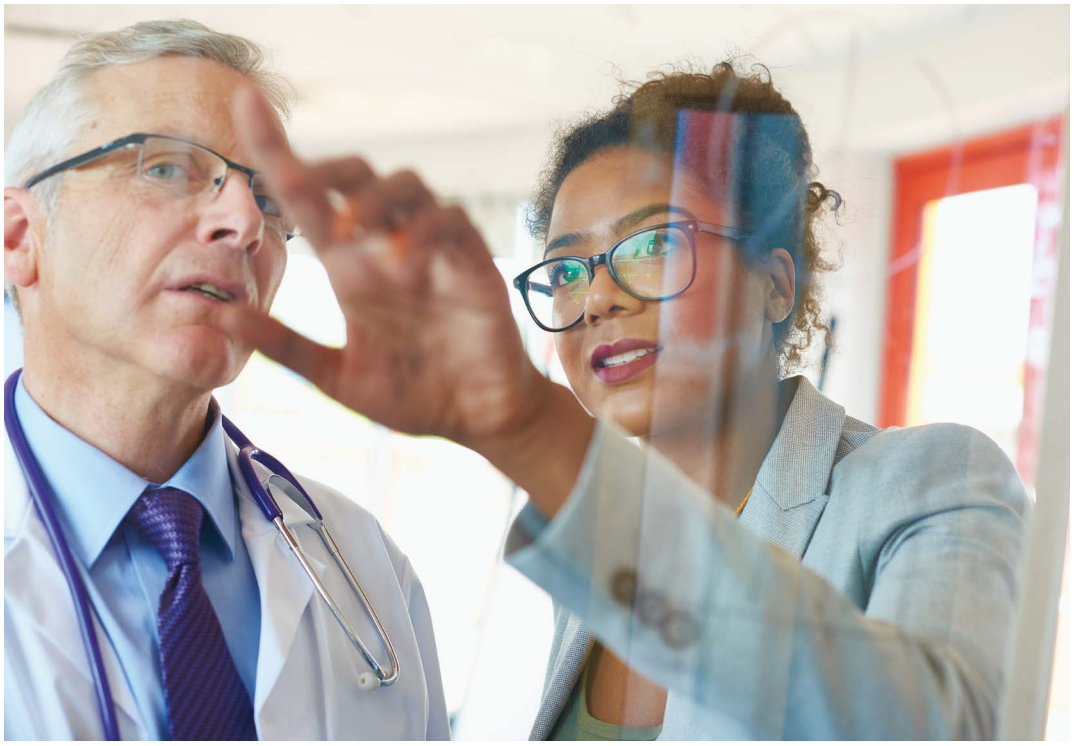
# SOMATOM go.Now

## Key data

| | |
|---|---|
| **Slices** | 32 |
| **Rotation times** | up to 0.8s |
| **Tube** | 3.5 MHU (8.75 MHU*) |
| **Power** | 32 kW (80 kW*) |
| **kV settings** | 80, 110, 130 kV |
| **mA** | up to 400 mA |
| **Max. table load** | 500 lbs |
| **Iterative reconstruction** | SAFIRE |


**Equivalent value with SAFIRE[5]*
*Scan specifications will vary depending on system configurations*

# Why Siemens Healthineers?



Siemens Healthineers 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 AI-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.

**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 AI-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.

The outcomes and statements provided by customers of Siemens Healthineers are unique to each customer's setting. Since there is no "typical" hospital and many variables exist (e.g., hospital size, case mix, and level of service/technology adoption), there can be no guarantee that others will achieve the same results.

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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.

Siemens Healthineers reserves the right to modify the design, packaging, specifications, and options described herein without prior notice. For the most current information, please contact your local sales representative from Siemens Healthineers.

Note: Any technical data contained in this document may vary within defined tolerances. Original images always lose a certain amount of detail when reproduced.


**References**

1. *IMV (2016): 2016 CT market outlook report.*
2. *Smith-Bindmar R, et al., International variation in radiation dose for computed tomography examinations: prospective cohort study. BMJ 2019;364:k4931.*
3. *https://techjury.net/stats-about/ai/ (last visited July 26, 2019)*
4. *Wetzl M, et al., Mobile Workflow in Computed Tomography of the Chest. Journal of Medical Systems:43, November 2018.*
5. *In clinical practice, the use of SAFIRE may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task.*
6. *Duan X, et al., Electronic Noise in CT Detectors: Impact on Image Noise and Artifacts, AJR:201, October 2013.*
7. *Arenas-Jimenez J, et al. Image quality and radiation dose at routine unenhanced chest-CT using a tin filter in a new single-source CT model: Comparison with other chest-CT scans in the same patient. Poster presented at: Joint ESTI – ESCR Annual Scientific Meeting 2018; May 24-26, 2018; Geneva, Switzerland.*
8. *iMAR is designed to yield images with a reduced level of metal artifacts compared to conventional reconstruction if the underlying CT data is distorted by metal being present in the scanned object. The exact amount of metal artifact reduction and the corresponding improvement in image quality achievable depends on a number of factors, including composition and size of the metal part within the object, the patient size, anatomical location, and clinical practice. It is recommended to perform iMAR reconstruction in addition to conventional reconstruction.*
9. *Multi-vendor standardized COCIR energy consumption for total standby/idle mode measurement based on the self regulatory initiative. Conventional technology refers to previous equivalent scanners. Data on file.*



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