HITACHI
Inspire the Next

SCENARIA View

· Specifications and external appearance are subject to change without prior notice.
· “SCENARIA”, “SCENARIA View”, “CardioConductor”, “CardioHarmony”, “HiMAR”, “Sentinel” and “Supria” are registered trademarks or trademarks of Hitachi, Ltd. in Japan and / or other countries. This product is a CLASS 2 LASER PRODUCT.

Manufactured and distributed by

Hitachi, Ltd.

2-16-1, Higashi-Ueno, Taito-ku, Tokyo, 110-0015, Japan

Distributor for Europe

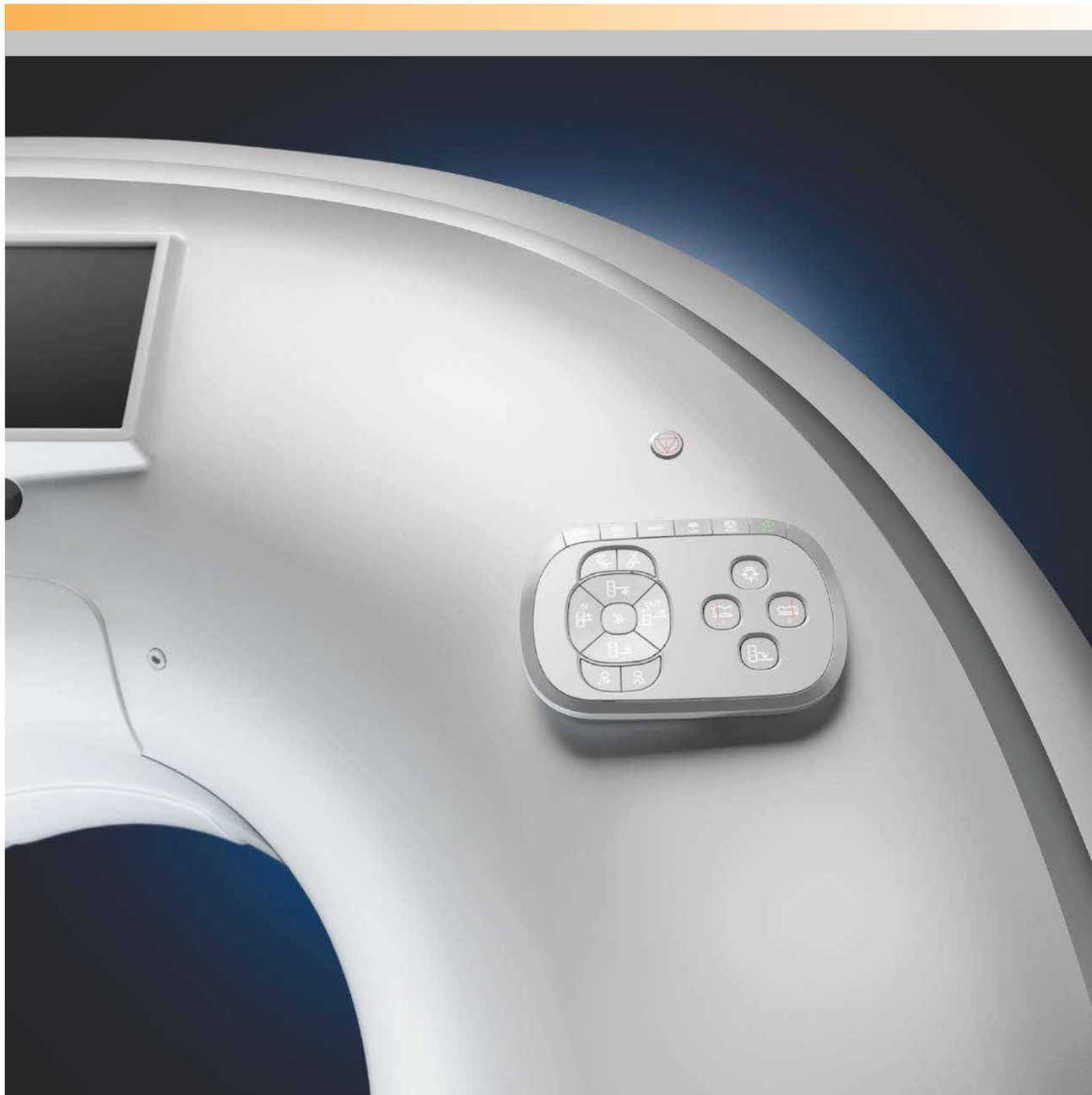
Hitachi Medical Systems Europe Holding AG

Sumpfstrasse 13, 6312 Steinhausen, Switzerland
www.hitachi-medical-systems.com

2018-06-XK-(H) EU-Version/EN, 02/2019

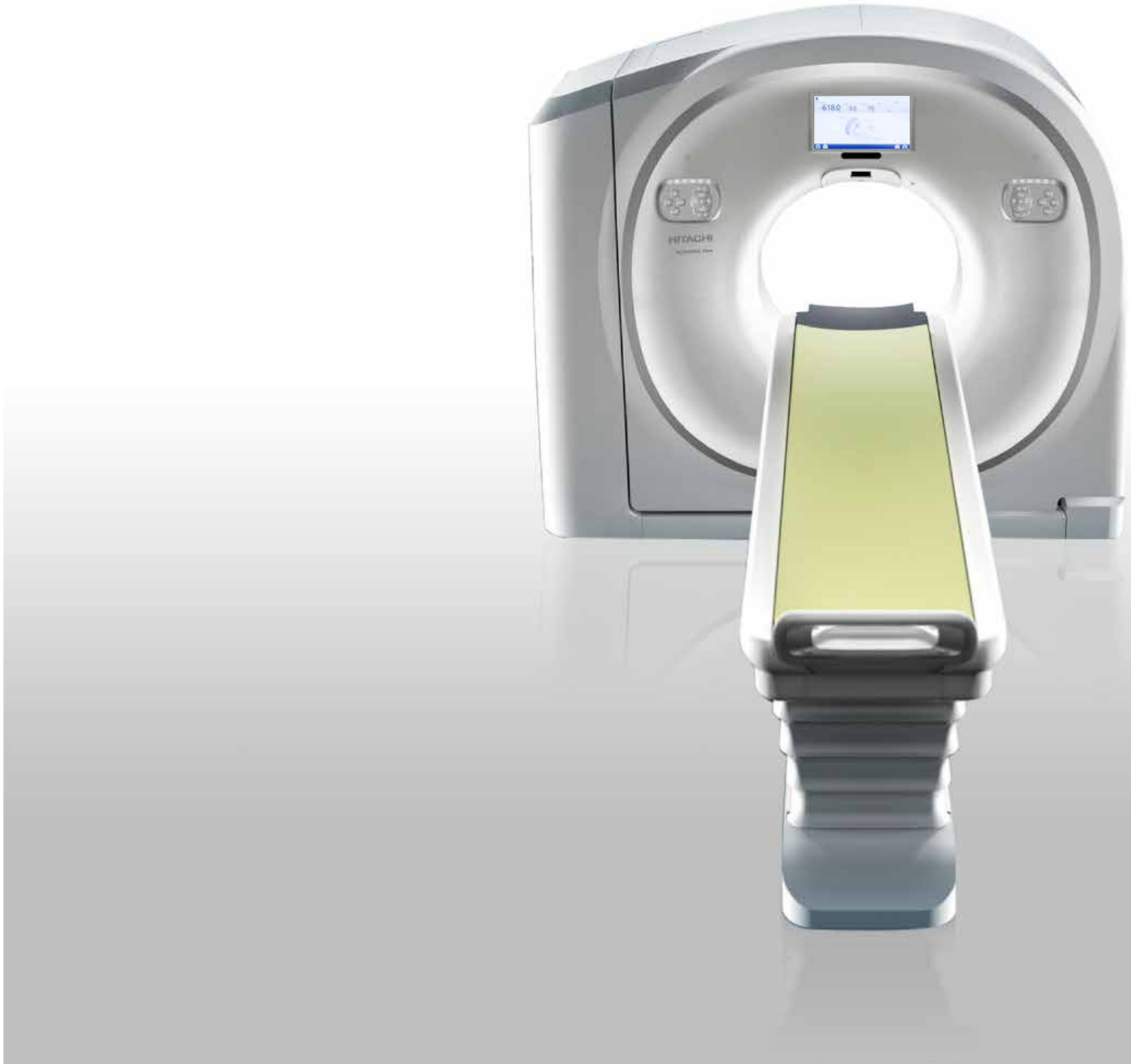
SCENARIA View

The superb low dose CT



SCENARIA View

Hitachi's CT continues its evolution for doctors, operators and patients.
Driving you ahead with a superb low dose CT.



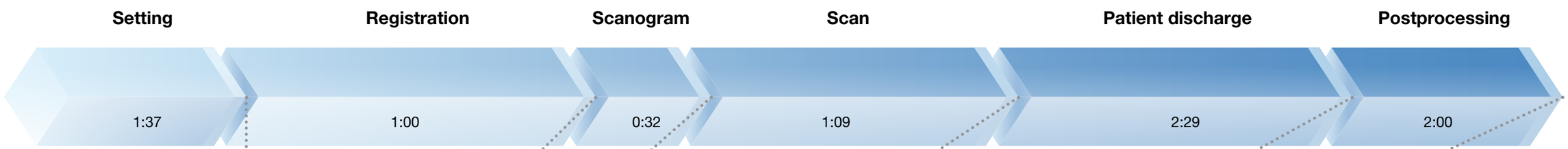
SPEED MEETS PERFORMANCE

SCENARIA View - providing performance in busy imaging centres

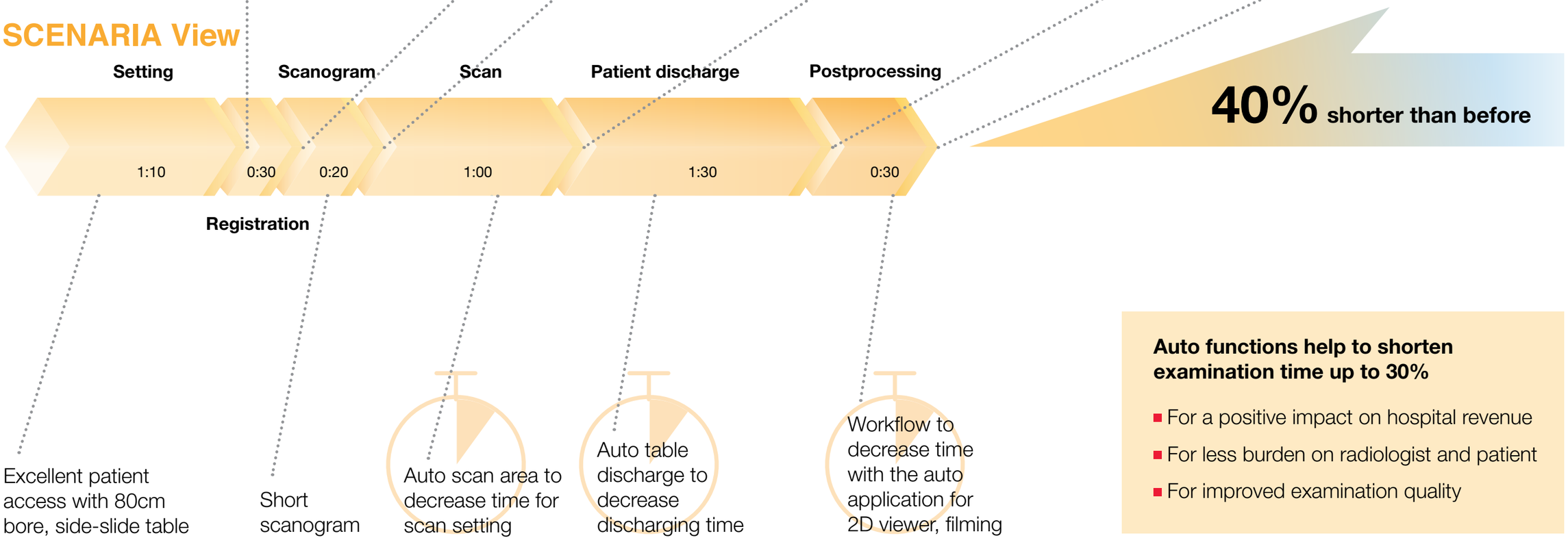
Speed nowadays is crucial in everyday life.
In diagnostic imaging, this translates into a need for higher patient throughput without compromising on diagnostic value.

Speed is not just scan time but quick and easy patient positioning, image processing and computing power for image analysis.

Hitachi's conventional system



SCENARIA View



40% shorter than before

Auto functions help to shorten examination time up to 30%

- For a positive impact on hospital revenue
- For less burden on radiologist and patient
- For improved examination quality

UNMATCHED USER – FRIENDLINESS

SCENARIA View - achieving smooth operation and comfortable scanning.

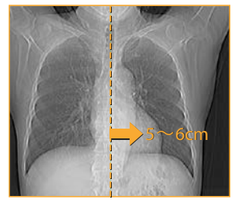
For patients who undergo regular scanning and to reduce anxiety in small children, a scanning space which is friendly to both the operator and patient has been realized.

Improved flexibility at the scan plane with a spacious aperture of 80cm

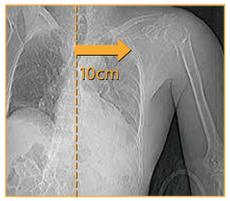
In addition to the wide aperture, the opening has been given a smoother, streamlined shape to enhance accessibility to patients. Even though the aperture has been widened, the gantry still remains compact.

Lateral slide table function with movement of 20cm

Since the table moves instead of the patient, it is less stressful for both the patient and operator. As the table is able to move up to 20cm, it can be used not only for the positioning the chest for cardiac scans but also for the shoulders and other body parts in orthopaedic examinations.



Positioning of the heart around the centre of the visual field



Positioning of the limbs around the centre of the visual field

Touch Vision provides a comfortable scanning space to both patients and operators

Breath guide displays provide a clear view from the start to the end of the scan

PATIENT FRIENDLY LOW DOSE IMAGING

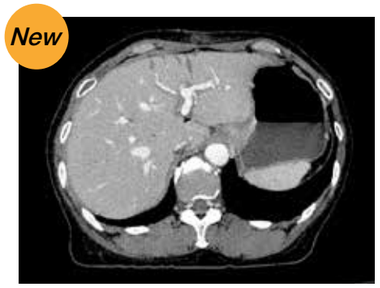
SCENARIA View – featuring next-generation adaptive iterative dose reduction – IPV*

Hitachi's next-generation adaptive iterative dose reduction function – IPV** does not require a dedicated processing room or any additional hardware. Even at a high-noise reduction rate the image quality (texture) is maintained and images with outstanding clarity are provided, even at low doses.

* : IPV is an abbreviation for Iterative Progressive reconstruction with visual modelling.
** : Optional

Achieved noise reduction and improved visibility

Iterative approximation-based reconstruction



- Noise Reduction
- Visibility

SCENARIA View compared to conventional image reconstruction

- Image noise reduction rate up to **90 %**
- Dose reduction up to **83 %**
- High-contrast resolution up to **200 %**
- Low contrast detection performance up to **200 %**

EFFICIENCY BOOSTED BY ARTIFICIAL INTELLIGENCE

SCENARIA View – smart CT scanner for smart users

SCENARIA View incorporates a variety of automation features that not only boosts processing speed but increases workflow and throughput.
This CT scanner is a result of smart Japanese engineering craftsmanship, reducing the need for human interaction and the risk of scanning errors.

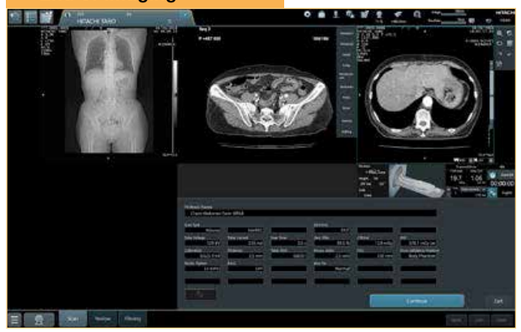
Hitachi´s conventional system adjusts the scanning range manually

SCENARIA View
scanning range is automatically set

*The operator checks and adjusts the imaging range which was automatically calculated.

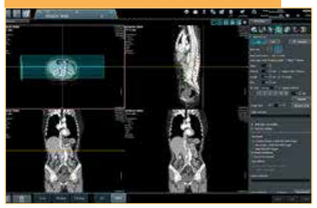
Automatic post reconstruction analysis

End of imaging



Automatic creation of MPR and 3D according to protocols after imaging

MPR automatic creation



Smooth screen switching

3D automatic creation

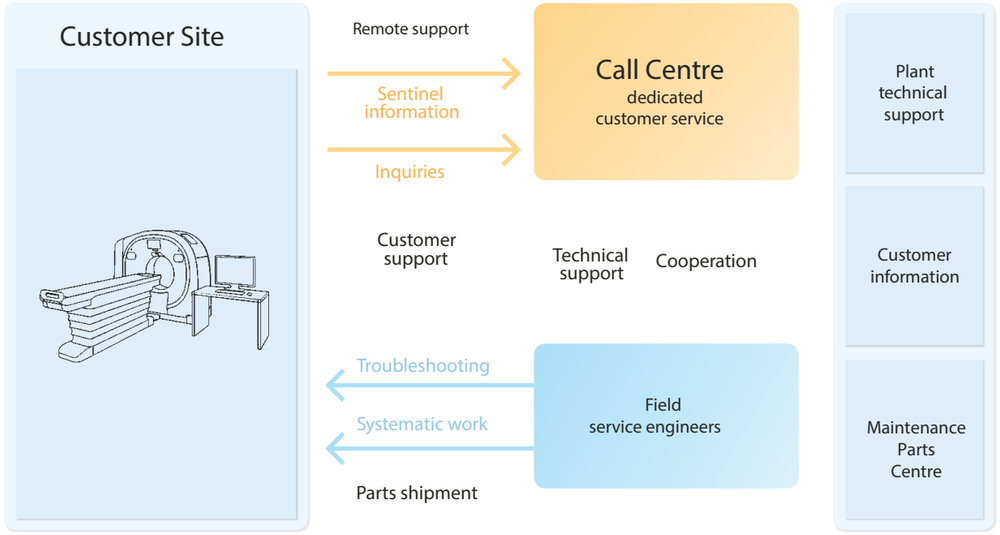
Operation time is shortened due to the automatic analysis and image transfer functions.

With MPR and 3D now becoming routine requirements, various analytical processes are required prior to image transfer.
SCENARIA View can incorporate MPR and 3D reconstructions in stored protocols, so automating a series of work procedures.

RELIABLE FOR LONG TERM USE

Reliable systems prevent malfunctioning. Hitachi invests in high quality and longevity, providing you high-precision imaging today and tomorrow.

Hitachi supports your business activities by keeping your medical equipment in the best condition and providing high-precision imaging. Hitachi's medical equipment is delivered to you in the best condition, giving top priority to security and safety. For consistent performance, we recommend systematic and regular maintenance.



Maintenance management by regular inspection

Preventive maintenance work by checking and adjusting machine functions and performance and by regular parts replacement

Maintenance of imaging using special equipment

Image quality check and adjustment using measuring device and phantom

Sentinel Customer Support

A system that monitors customers´ medical equipment via the internet 24 hours, 365 days

Provision of latest information

Provision of latest test information, options, and equipment information

Contribution to business plans

Promotes budgeting of machine maintenance and management costs

BENEFITS FOR HIGH-PRECISION DIAGNOSIS

HiMAR

HiMAR (High Quality Metal Artefact Reduction) uses Hitachi's proprietary algorithms for estimating and correcting artefacts based on metal data.

OFF ON

*The clinical image was taken by Hitachi´s Supria CT system

Dual Energy Scan*

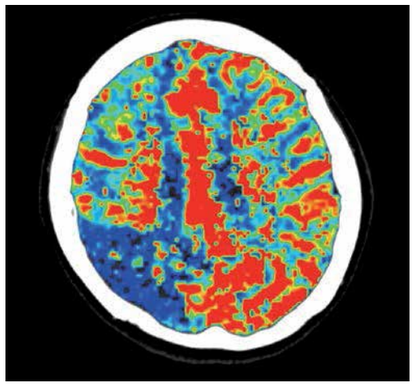
Dual Energy Scan acquires data from a width of 40 mm (0.625 mm × 64 rows). By synchronizing high kV and low kV X-ray scan alternatively, artefacts caused by misregistration are reduced. An example is obtaining images with different X-ray absorption rates.

*Optional

Shuttle Scan*

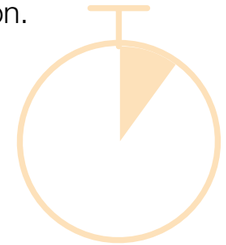
By moving the table forward and backward alternately, it is possible to scan over a range of 80 mm. As a clinical example, this is useful for diagnosing blood flow in the brain.

*Optional



CBF map by CT perfusion image

Cardiac scanning is faster and more comfortable. The exacting work of cardiac CT imaging is automated. Clear cardiac images are provided in a simple examination.



CardioConductor

This function tracks the heart rate range during the patient's breath-holding. The system then automatically calculates imaging and reconstruction parameters based on the cardiac data collection.*
Breath-holding practice can be done using a console or scanner (Touch Vision). Imaging conditions can be selected from two methods according to operator choice: "Auto", which focuses on ease of use, and "Manual", which allows free customization of parameters.

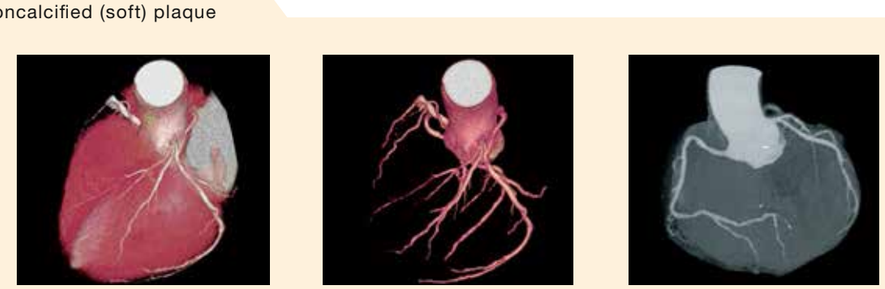
*The operator may need to perform checks, settings, and adjustments according to the usage conditions.

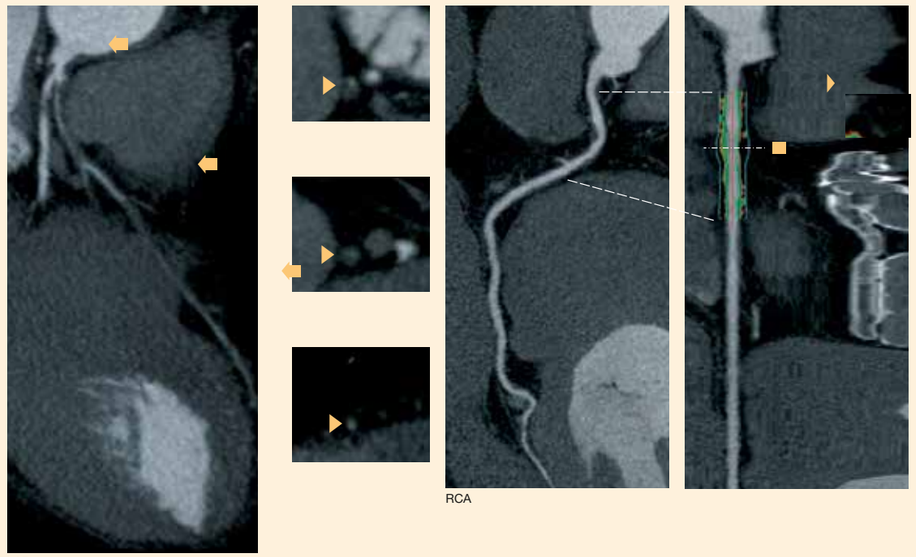
CardioHarmony

This function automatically* selects the best cardiac phases during ECG cycles in order to provide fast image reconstruction, coupled with high-quality cardiac images for confident analysis.

* The calculated conditions must be checked and adjusted by the operator.

Retrospective Scan:
Noncalcified (soft) plaque





LAD RCA