

# RADON

## MEDICAL IMAGING



Hitachi Supria True 64

[radonmedicalimaging.com](http://radonmedicalimaging.com)

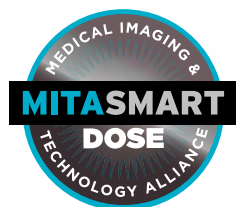
We focus on people, innovative products,  
and service excellence

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**HITACHI**  
Inspire the Next

*Supria True64* Lower Dose, Compact Design



# Supria<sup>®</sup> True64

Advanced Dose Reduction Capabilities

XR-29 Smart Dose Compliant

Enlarged 75cm Aperture

Fast Workflow

Compact Design, 200 sq. ft. Minimum Scan Room



## Maximize Efficiency with Powerful CT Capabilities

Experience enhanced workflow speed and clear CT image quality across a wide range of applications by taking advantage of true 64 slice acquisition and up to 128 slice reconstruction. Access the latest dose awareness, reduction and management features. Benefit from a compact footprint, increased patient access, new energy efficient technologies and lower cost of ownership with the Supria True64 – Hitachi's premier compact computed tomography solution.



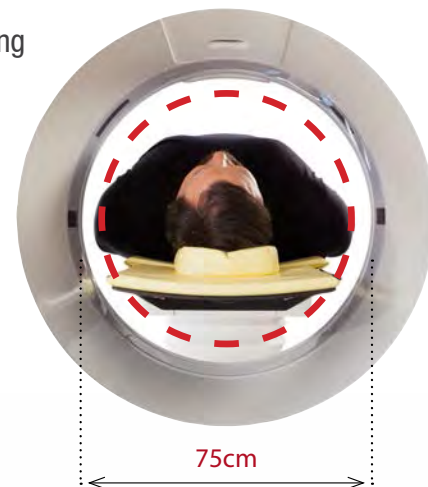
Higher Weight Capacity Table, up to 500 lbs

Long 180cm Scannable Range

# Supria® True64

## Outstanding Comfort and Experience For Your Patients

Supria True64 is meticulously designed with the patient in mind. Its large aperture, long table and high weight capacity comfortably accommodates patients of all sizes up to 500lbs. The latest Hitachi dose reduction technologies\* surpass the XR-29 Smart Dose Standard and a larger 75cm gantry aperture in addition to a wide 47.5cm table with a long 180cm scannable range results in a more positive patient experience.



\* In clinical use, dose saving features may reduce CT patient dose depending on the clinical task, patient size, anatomical location and clinical practices employed. Consultation with a radiologist and physicist are recommended to determine the appropriate dose needed to obtain diagnostic image quality for a particular clinical task.

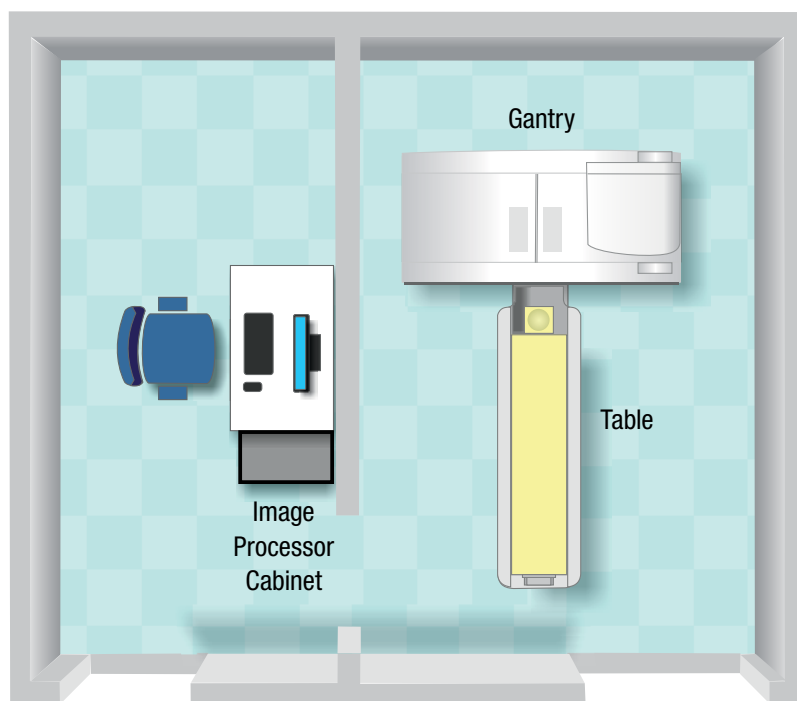
## Remarkably Compact Design

To meet your needs and healthcare environment challenges, the Supria True64 is designed to be open, yet compact – fitting in nearly all existing CT rooms. And with Hitachi's Eco Mode, a standard feature in every Supria True64, energy used during idle periods is reduced by up to 55%.\*\*

By minimizing siting costs, improving workflow processes, incorporating power reducing technologies and maximizing patient comfort, your investment in Supria True64 can translate into a faster return on investment.



\*\* When compared to Hitachi Supria True64 without Eco Mode.



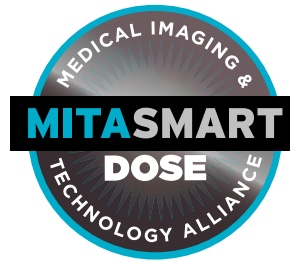
Supria True64's Compact Design is Comprised of 3 Modules

# Supria<sup>®</sup> True64

## Managing Your Patient's Dose

All Hitachi CT systems are designed to meet ALARA practices as well as complying with the XR-29 Smart Dose Standard. Supria True64 comes standard with the latest dose reduction, monitoring and reporting capabilities required by XR-29:

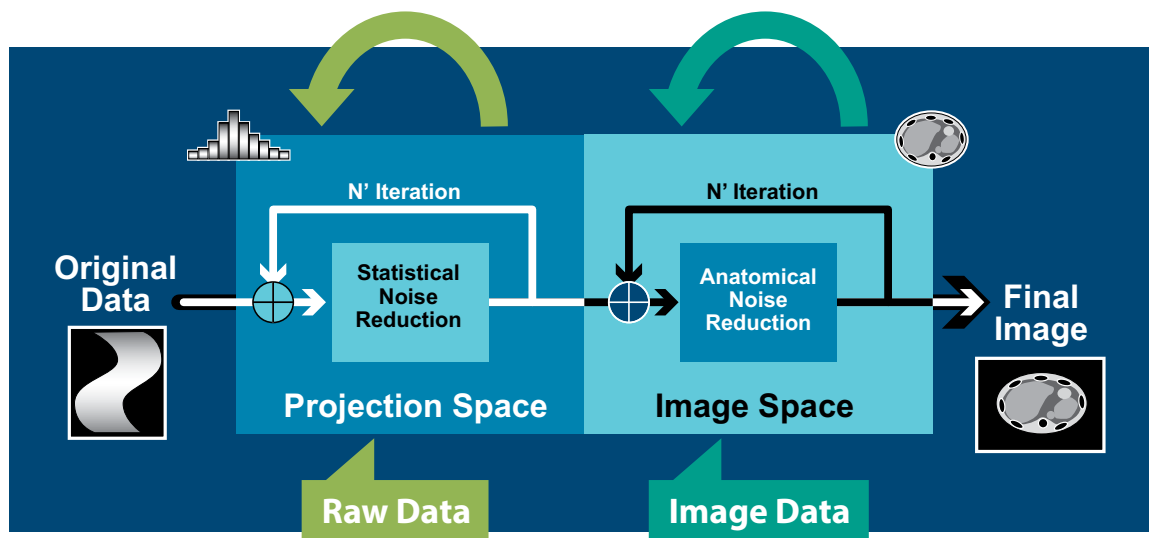
- Automatic Exposure Control – Intelli EC (3-D)
- Pediatric and Adult Reference Protocols
- DICOM Dose Structured Report
- CT Dose Check



In addition, Supria True64 surpasses the XR-29 standard by adding:

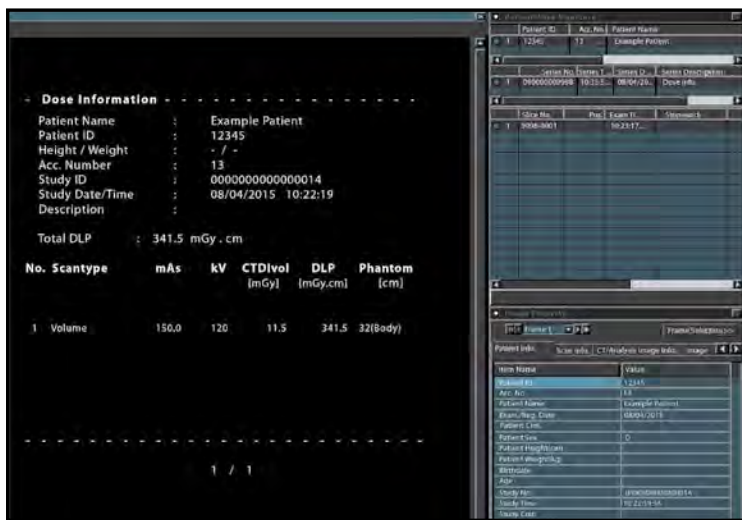
### Intelli IP Quick– for Faster Iterative Reconstruction\*

Intelli IP Quick is Hitachi's latest workflow enhancing, proprietary engine that makes use of adaptive iterative reconstruction in both projection and image space. Its use will reduce pixel noise at a given level of mAs as compared to filtered back projection without Intelli IP Quick. Thereby providing more rapid reconstruction and faster workflow.

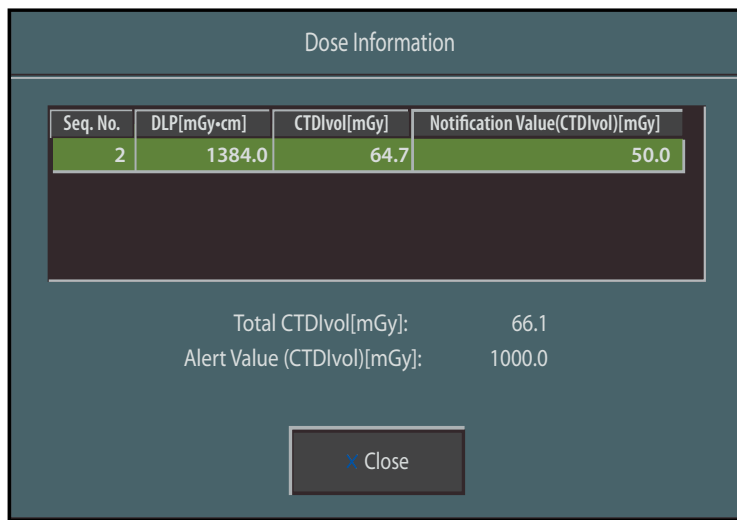


\* When compared to Intelli IP Advanced

# Supria True64 Comes Equipped with State-of-the-Art Dose Reduction, Monitoring and Reporting Features



Simple Dose Report



Dose Check

## Simple Dose Report

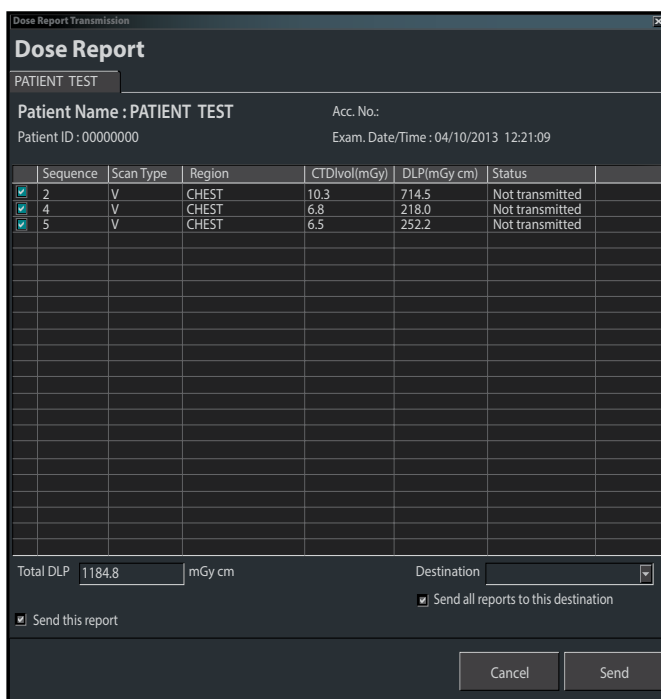
Provides a dose report embedded in the image series, available whenever and wherever the images are viewed.

## Locked Protocols (Access Controls, XR-26)

Protects protocols from unintended changes (unless an authorized password is used) to ensure more consistent imaging results and avoid unintended dose changes.

## Reduced kV Imaging

Allows selection of the lowest appropriate kV for the individual patients' size — supports scanning at 80,100,120 or 140kVp.



DICOM Dose Structured Report

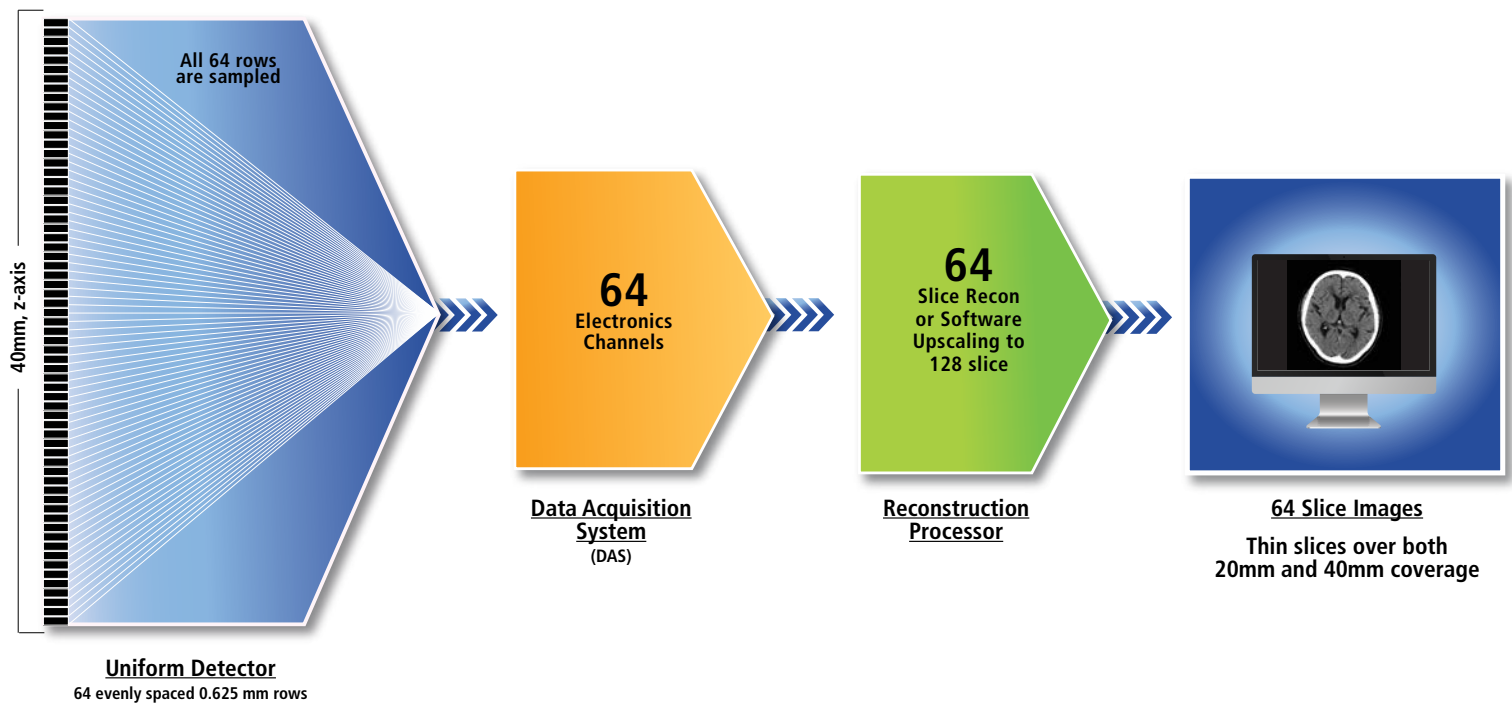


# Supria<sup>®</sup> True64

## Supria True64's Imaging Chain Without Compromise

CT image quality is only as strong as the weakest links in the imaging chain. That's why Supria True64 provides a premium class imaging chain with 64 discrete detector and electronics processing channels that provide thin 0.625mm high resolution slices with full 40mm detector coverage. And, thin slices are important for sharper MPR images.

Other 64 slice compact CT Systems may only have 32 discrete detector and electronics processing channels and then use a software upscaling process with the scanned 32 slices to create 64 slices. These systems need to reduce their coverage to 20mm (or less) for thin slice scanning, which doubles scan time (rotations) and tube heat. Supria True64 doesn't make that image quality compromise.



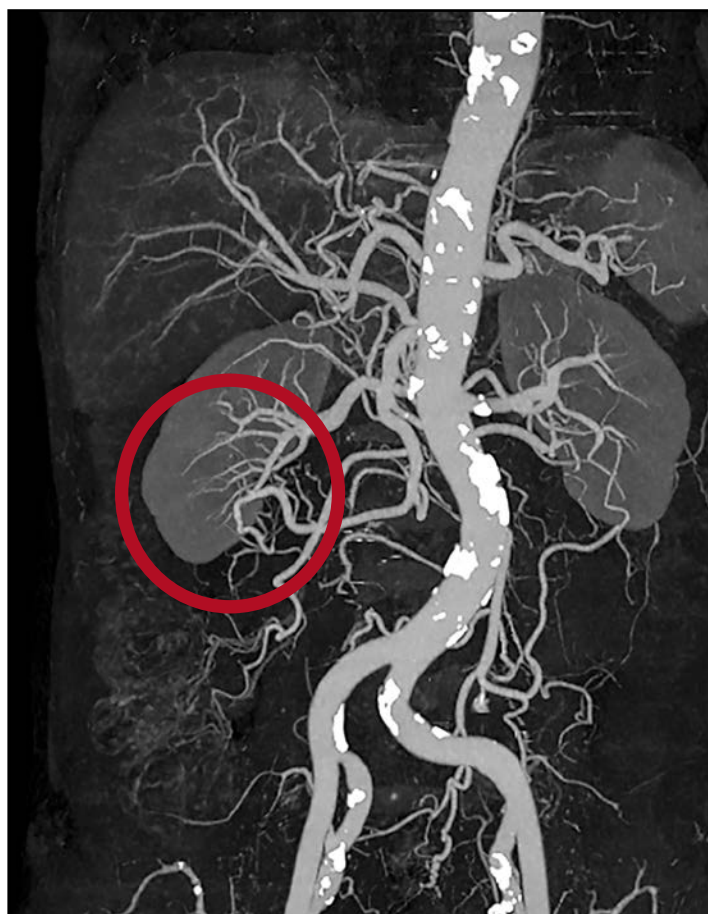
- 64 detector channels and 64 electronics channels for true 64 slice imaging
- Provides thin 0.625mm slices at both 20mm and 40mm coverage

## Uncompromised Image Quality With 40mm Coverage

The difference in CTA sharpness between using 1.25mm slices versus 0.625mm slices is clear.



CTA From 1.25mm Slice Thickness



CTA From 0.625mm Slice Thickness

Look to the Supria True64 for all your non-Cardiac applications and experience clear concise images, enhanced clinical value and shorter exam times.

Supria True64 is also capable of performing CT Colonography and low dose chest exams. 3D analysis can be enhanced by an available optional TeraRecon 3D Visualization Server.

# Supria<sup>®</sup> True64

## High-end Imaging and Performance from a Compact CT

Patient-centric design and engineering excellence of Supria True64 puts you in control without compromising imaging performance. This makes the overall experience better for your patients in addition to more efficient and dependable for you.

- Wide 75cm Aperture makes for a more comfortable environment for the patient
- Long Scannable range of 180cm for long coverage exams of tall patients with a single injection
- High weight-capacity table accommodates larger patients up to 500 lbs
- Metal Artifact Reduction (HiMAR)
- 128-slice reconstruction (option)
- Intuitive user interface
- The option to add powerful and renowned TeraRecon 3D visualization server solutions
- Compact footprint allows easy placement in most existing rooms



# Enhanced Workflow and Improved Efficiency

Supria True64 provides a convenient set of features to streamline your clinical processes.

## Quick Protocol Selection User Interface

Streamlines patient registration and protocol selection.

## Preview Scan

Real time image series display immediately upon scan completion enabling faster change over to next patient.

## Fine Recon (Option)

Provides 128-slice reconstruction for enhanced MPR image clarity.

## MPR Spine Mode

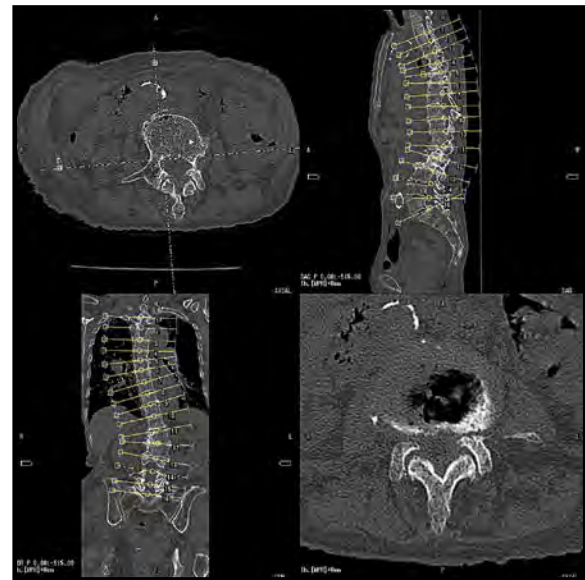
Automatically selects ideal MPR angles for spine exams.

## Direct Injector Interface

Direct and automatic control of the injector from the operator's CT Screen.

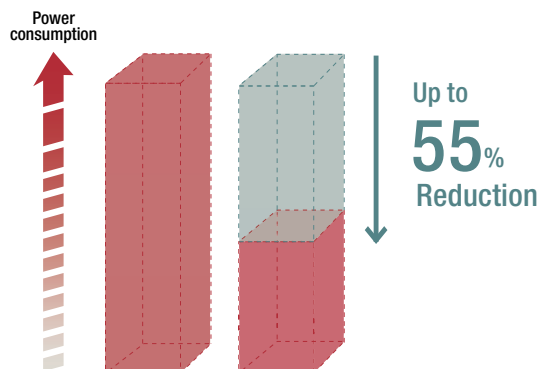


Quick Protocol Selection User Interface



MPR Spine Mode

And more efficiently utilize environmental resources:



Eco Mode Power Reduction

## Eco Mode

Hitachi designed technology that provides power saving capabilities making it possible to reduce consumed power up to 55% during idle periods\*.

\* When Compared to Supria True64 without Eco Mode

# *Supria<sup>®</sup> True64*

## Outstanding Support Services That Come with Hitachi's Supria True64

Exceptional imaging systems and life cycle value are what imaging professionals have come to expect from Hitachi. The Supria True64 is no different. We will always subscribe to a commitment of success in achieving your goals while offering the highest standard of patient care.

### Seamless Site Planning and Installation

With a smaller gantry/table footprint, the Supria True64 is the ideal choice for replacing your older CT with little or no reconfiguration of room space. And you can depend on your Hitachi site planning expert to be there and guide you every step of the way.

### On-site/Off-site Training

Comprehensive on-site applications training with no-charge follow up visits come standard with every Hitachi warranty and full service contract. So, when you need to update the skills of your existing workforce, or train new employees, the experts at Hitachi will do the training without added financial burden to your facility. Our on-site and corporate facility training programs (HITS) are continually revised so that the latest dose reduction strategies and best operating practices of Supria True64 are always at the forefront of your CT experience.



### 98% Uptime Guarantee

Expect reliability. Your system is running 98% of covered time during every quarter or you receive additional service at no cost.\*

### Sentinel™ Remote Service

Your Supria True64 warranty and service contract comes with remote service support including diagnostics, image review, raw data analysis, read error messages, monitor operating parameters and more.

\* See service maintenance agreement terms.

## Flexible Service Options

Every Supria True64 service contract comes with the flexibility to meet the needs and investment goals of your organization. From initial service warranty to long-term, full-service contracts, we will see that you are taken care of from service renewals and every day in between.

## Marketing Assistance

Hitachi delivers comprehensive customer marketing support to help promote your facility to referring physicians and the local community. Patient Education Materials clearly differentiate Supria True64 CT from other diagnostic alternatives and prepare patients for their CT experience.

For more information, please visit us at [www.hitachihealthcare.com/CustomerSupport](http://www.hitachihealthcare.com/CustomerSupport).



# *Supria<sup>®</sup> True64*

## Embracing the Future Through Healthcare Innovation

From our founding in 1910, Hitachi has aspired to fulfill our mission: to contribute to society through the development of superior, original technology and products. By integrating the infrastructure and information technologies it has created more than a century of experience.

Hitachi delivers innovation to customers and society through the fusion of operational technology and informational technology with its products – this is the strength and uniqueness of Hitachi. We accelerate collaborative creation with customers through the advanced Social Innovation Business to deliver innovations that answer society's challenges. With our talented team and proven experience in global markets, we can inspire the world.

When we come together, thinking on a global scale, we can create novel solutions to social problems. Our Social Innovation business resolves issues faced by society and customers by combining advanced IT with infrastructure technologies, allowing us to provide total solutions. Our world is changing, and Hitachi is committed to change with it.



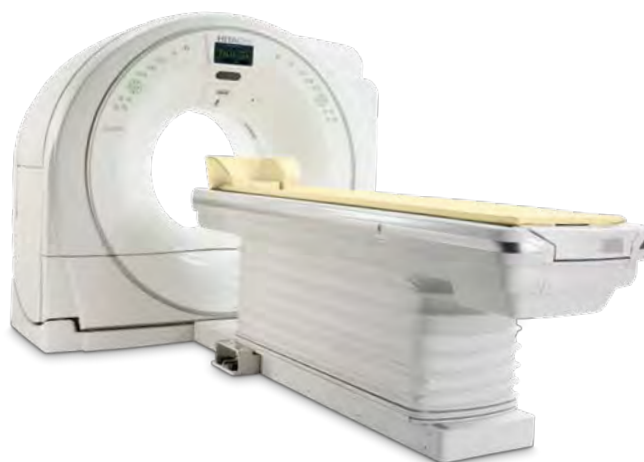


## Social Innovation

Hitachi regards healthcare as being a crucial part of the social infrastructure that will support society in the 21st Century and has therefore made the healthcare business a key pillar of its Social Innovation Business. Hitachi combines its collective strengths with IT to provide innovative technologies and systems, solutions and services in the healthcare field. In doing so, Hitachi will respond with innovation to the challenges facing society.

We aim to create a happy society in which everyone can enjoy a secure and safe way of life. Driven by this objective, Hitachi has begun taking on new challenges with a view toward creating healthcare innovation throughout North America.





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Hitachi reserves the right to change specifications described herein without prior notice. This document provides general technical descriptions of both optional and standard features.

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