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Computed
Tomography

CT 5300

Intelligence reimagined
CT 5300

Meaningful innovation that sets a new standard for performance

You've told us what you most need in a CT system now and in the years to come, and that's exactly how we created the new Philips CT 5300. We've built incredible intelligence into every aspect of this high-performing system from start to finish. CT 5300 leverages AI for new clinical capabilities and workflow advances, provides virtual tools for real-time collaboration, and offers remote services to enhance system performance and uptime.

Next-level confidence

- **AI for new capabilities** to support clinical decision-making

- **Precise Image** allows for lower dose, higher image quality and new capabilities in cardiac

- **NanoPanel Precise detector** paired with Precise Image improves image quality at ultra-low dose

- **Advanced tools** to speed diagnosis and treatment

- **New interventional tools** for enhanced capabilities
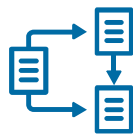
Empowered workflow

- **CT Smart Workflow** with the Precise Position* AI-enabled camera saves time, improves consistency

- **Precise Cardiac** to improve diagnostic confidence with high or irregular heart rates

- **Precise Intervention**** reduces interventional procedure time by 16%***

- **OnPlan patient-Side Gantry Controls** facilitate inter-operator consistency and reduce time to results

- **Direct Results** offers end-to-end workflow with clinical intelligence to avoid manual processing and save time

- **CT Collaboration Live** connects your team remotely

- **Lifecycle Learning** helps build and sustain staff competency

Value for a lifetime

- **Remote Services** to reduce unplanned downtime

- **AI-enabled clinical applications** help future-proof your investment

- Online **Lifecycle Learning** to help reduce training costs

- **Tube for Life,** our industry-first guarantee**

- **Technology Maximizer** manages costs of hardware and software upgrades

*   Patients below the age of 18 are not supported
** Precise Intervention is not AI enabled
*** Chacko C. Precise Intervention Clinical Review Report for Loong. Philips Doc ID: D000874955. 2021.
** Life of the product is defined by Philips as 10 years. Tube for Life guarantee availability varies by country. Please contact your local Philips sales representative for details.

Take clinical confidence to the next level

Put the power of AI to work across a wide range of applications, including cardiac, bariatric, interventional and trauma. Leverage advanced AI capabilities and smart automation for confident decision-making today and tomorrow.

Discover Precise Image AI-based reconstruction for lower dose and higher image quality

- **80%** lower radiation dose*
- **85%** lower noise*
- **60%** improved low-contrast detectability*

New NanoPanel Precise detector

Designed for AI and reduces noise by up to 19%**.

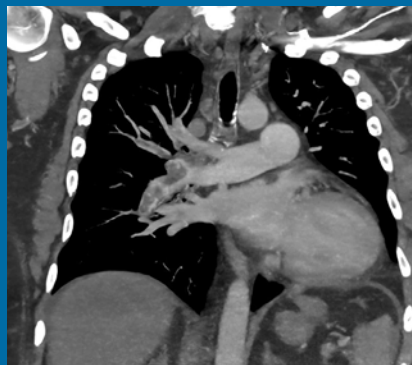## Precise Image for advanced cardiac scanning

Without Precise Image

With Precise Image

Improve image quality at ultra-low dose

The new NanoPanel Precise detector paired with Precise Image allows for improved image quality, at ultra-low dose levels.


* In clinical practice, the use of Precise Image may reduce CT patient dose depending on the clinical task, patient size, and anatomical location. 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. Dose reduction assessments were performed using reference body protocols with 1.0 mm slices at the "Smoother" setting, and tested on the MITA CT IQ Phantom (CCT189, The Phantom Laboratory) assessing the 10 mm pin and compared to filtered-back projection. A range is seen across the four pins, using a channelized hoteling observer tool, that includes lower image noise by 85% and improved low-contrast detectability from 0% to 60% at 50% to 80% dose reduction. NPS curve shift is used to evaluate image appearance, as measured on a 20 cm water phantom in the center 50 mm x 50 mm region of interest, with an average shift of 6% or less. Data on file.

**Measured with Precise Image on water and anthropomorphic phantoms relative to predecessor detector.

Speed diagnosis and treatment

See why CT 5300 is built for cardiac
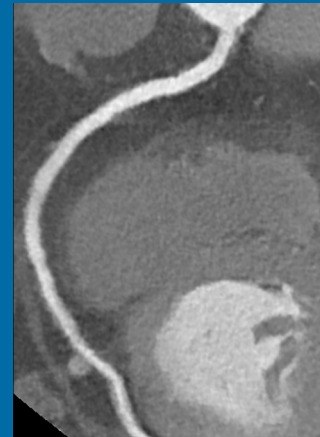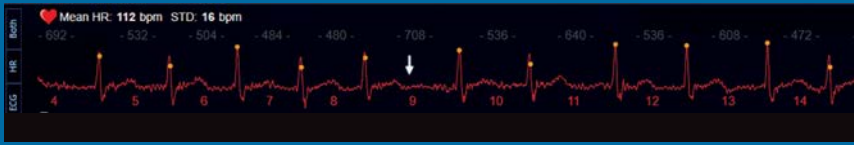
Precise Cardiac
Retrospectively compensates for cardiac motion to improve visualization of the coronary arteries during CT imaging. This improves diagnostic confidence in challenging patients with high heart rates **by providing an effective temporal resolution of 29 ms.***

Stay steps ahead with CT Smart Workflow

Precise Brain
Automatically generates a symmetrical brain batch parallel to the OML to speed overall reading time with fast AI reconstruction
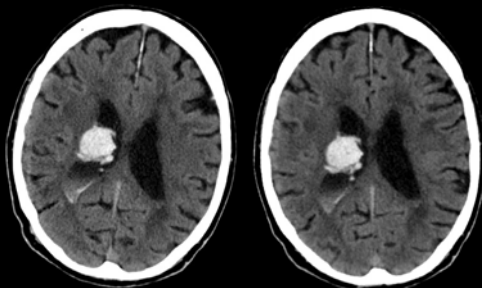
Precise Planning
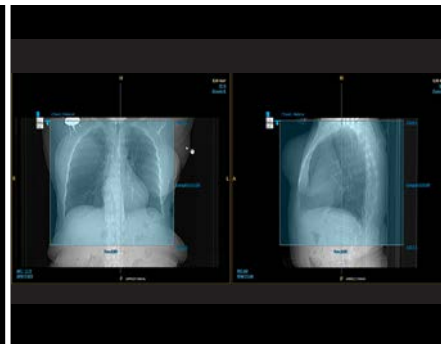Automatically places a plan box over desired anatomy to speed planning and improve consistency between techs

Precise Spine
Automatically labels the vertebrae and creates an axial series of images, based on the spinal cord

Without Precise Brain   **With Precise Brain**

Enhanced capabilities designed for faster interventional procedures

Interventional controls mounted at the cart or bariatric table

Dual monitors

Interventional Helical Check allows confirmation of treatment success in just one click

Improved needle guidance

*Applicable for 0.35s/r

Empower your workflow

Ease departmental workflow with AI. An intuitive user interface and smart automation let you focus on your patients rather than on repetitive system tasks.

AI-enabled smart positioning camera* saves time while improving accuracy and consistency

Precise Position

Improves accuracy of vertical centering relative to manual positioning by up to **50%****

Increases consistency from user to user by up to **70%****

Reduces patient positioning time by up to **23%****

Do more while spending more time with your patient

OnPlan patient-side gantry controls

Stay close to your patient while facilitating inter-operator consistency and reducing time to results.

Reduce lung screening time

50% reduction in total lung screening workflow time by using CT Smart Workflow and OnPlan functionality***

CT 5300

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* Patients under the age of 18 not supported.
** Based on Philips in-house assessment by five clinical experts, comparing manual positioning versus Precise Position in 40 clinical cases using a human body phantom.
***Based on Philips in-house assessment by five clinical experts, comparing manual versus CT Smart Workflow and OnPlan in five clinical cases using a human phantom.
Results may vary in different environments.

Connect and collaborate for productivity

Grow your team's capabilities with Virtual Imaging tools for collaboration, educate and train your team over the lifetime of your scanner, and facilitate remote exam card management to standardize protocols.

Extend your team's capabilities with Virtual Imaging tools

Foster team consistency and capacity with CT Collaboration Live

Remote connectivity allows you to communicate directly from the CT scanner with your peers to simplify consultation and training.

Build and sustain staff competency through Lifecycle Learning*

Access instructor-led remote training with a Philips clinical expert and build staff proficiency using an e-learning portal.

* Not available in all geographies.

See value for a lifetime

Connect to new AI-enabled applications and tools as the AI marketplace evolves. Remote service capabilities and AI-driven service innovations enhance system performance and uptime. Upgradeable platforms and flexible business models help your department maintain speed and performance.

Future-proof your investment through AI-enabled clinical applications

Easily integrate Philips and third-party applications directly into the work low to enhance clinical decisions and patient triage.

**Keep control of your operational costs**

Manage costs and bring predictability to your department with CT Technology Maximizer, which gives you planned access to the latest Philips technology migration while reducing costs of obsolescence.

Remote monitoring and maintenance reduces unplanned downtime

Proactive and remote service maintenance allows us to resolve many issues without the need for on-site service and with a high first-time-fix rate, improving system availability.

Reduce unplanned downtime with Remote Maintenance Services

+20 strategic parts monitored predictively, along with system performance

41% issues resolved without the need for on-site service because of proactive and remote service maintenance[1]

84% first-time-fix rate for on-site visits,[2] improving system availability
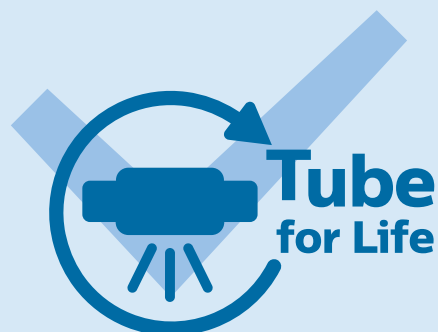
Up to 98% system uptime Guarantee[3]
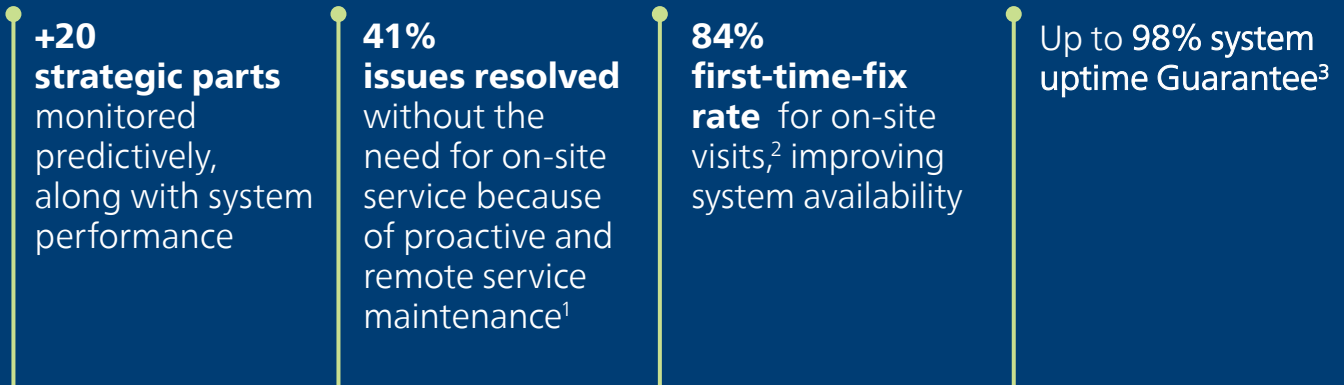
Tube for Life guarantee*

The vMRC is no ordinary tube, and our industry-first Tube for Life guarantee can help lower operating costs by an estimated $420,000 over the life of your system.**

Possible cost of replacement tubes for your system = $420,000
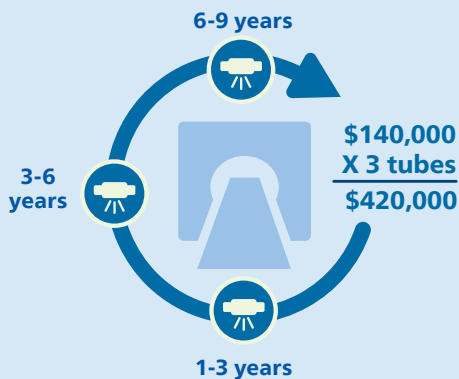
With Tube for Life replacement tube cost = $0

6-9 years

3-6 years

$140,000
X 3 tubes
$420,000

1-3 years

Tube for Life

* Life of the product is defined by Philips as 10 years. Tube for Life guarantee availability varies by country. Please contact your local Philips sales representative for details.
** Actual operating costs for customers vary significantly because many variables exist (such as CT make and model, hospital or imaging center size, case mix, system usage). The potential savings identified estimates the avoidance of purchasing replacement tubes over a 10-year useful life of a CT system, based on an average selling price of $140,000 per replacement tube and estimated tube life of three years. There can be no guarantee that all customers will achieve this result.

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References

1. Data on file is based on the comparison between remotely connected & reachable and non-remotely connected / non-reachable systems. Data sample from August 2021 to July 2022 for all CT Brilliance Air Product Line, iCT Product Line, Ingenuity Product Line, Incisive and Spectral CT, which are with full remote capabilities under service contract (n=5144). Case priority = 1 & 2.

2. Philips internal data. Case Resolution Dashboard in Qlikview, May'21-Mar'22. Data shown is an average based on a comparison of remotely connected CT systems.

3. Depending on type of service agreement. Individual service agreements may vary per market

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