

PHILIPS

Computed
Tomography

CT 5300



Intelligence reimaged

CT 5300



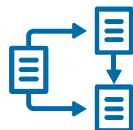
Meaningful innovation that sets a new standard for performance

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, 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 even 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** improves diagnostic confidence in patients 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 manually processing and save time



Value for a lifetime

- **Remote Services** to reduce unplanned downtime
- **AI-enabled clinical applications** help future-proof your investment
- **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.

2 ** 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*

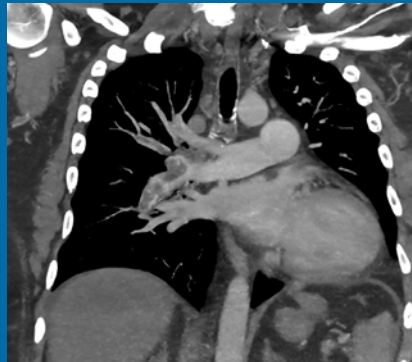
NanoPanel Precise detector



Detector electronics are designed for less noise.

Improve image quality even at ultra-low dose

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



Precise Image for advanced cardiac scanning



Without Precise Image

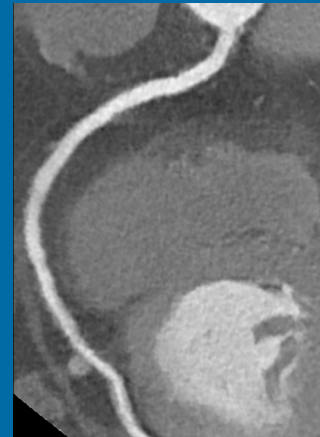
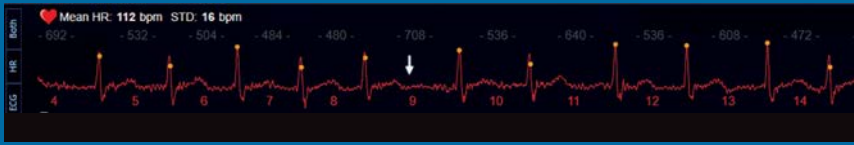


With Precise Image

* 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 10mm pin and compared to filtered-back projection. A range is seen across the 4 pins, using a channelized hotelling 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.

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.

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.



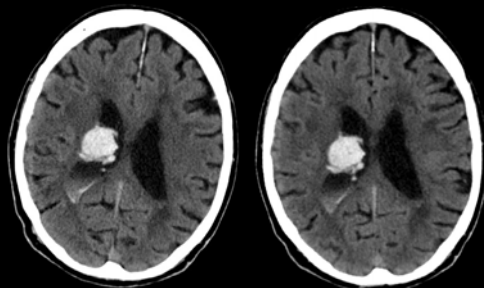
Precise Planning

Automatically places a plan box over desired anatomy to speed planning and improve consistency between techs.



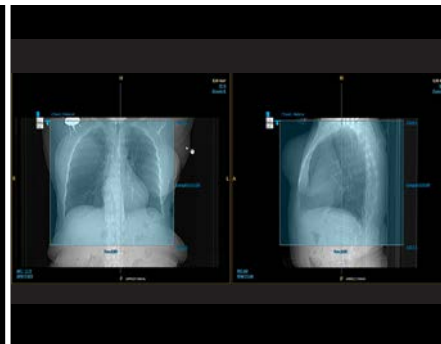
Precise Spine

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



Interventonal controls mounted at the cart or bariatric table



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



Dual monitors



Improved needle guidance

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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** 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.

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

Seamlessly integrate Philips and third-party applications directly into the workflow 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

38% issues resolved without the need for on-site service because of proactive and remote service maintenance¹

84% first-time-fix rate for on-site visits,¹ improving system availability

+136 extra hours/year² and 30% less downtime² means many additional hours of operational availability to treat more patients

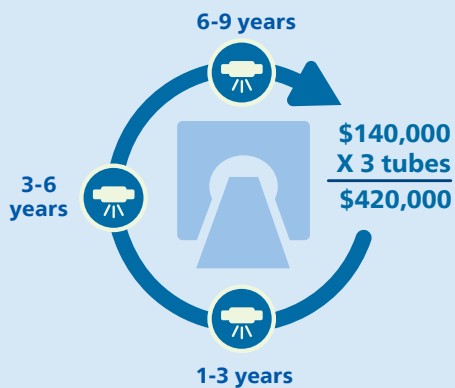




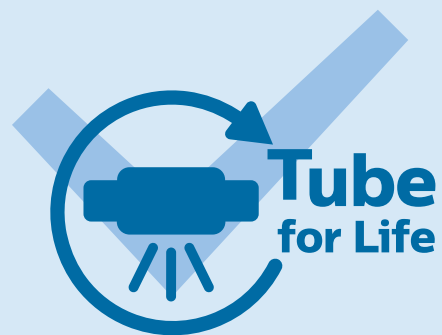
Tube for Life guarantee*

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**



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 ** 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.



References

1. Philips internal data. Case Resolution Dashboard in Qlikview, May 2021 to March 2022. Data shown is an average based on a comparison of remotely connected CT systems.
2. Data 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).