

PHILIPS



Intelligence reimaged
CT 5300

Redefine what's possible with CT 5300

Advanced applications deliver precision, efficiency and confidence from routine scans to complex clinical cases – while lowering total cost of ownership by \$420,000¹ over the system's lifetime. Powered by software-driven innovation and the industry's first detector designed for AI, CT 5300 provides fast, high-quality and low-dose cardiac imaging by leveraging AI and a zero-click technique that compensates for cardiac motion.



Empower your workflow

CT Smart Workflow streamlines every step of the exam.



AI-enabled Clinical Applications

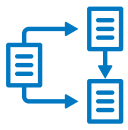
Leverage AI to enhance clinical decision-making, improve image quality and reduce radiation dose.



Future-proof your investment

Tailored software upgradability, remote monitoring and Tube for Life guarantee.²

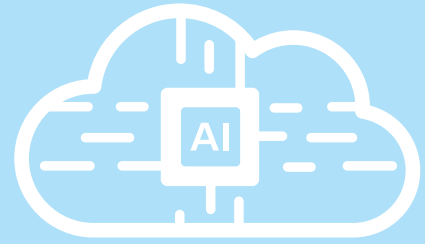




Empower your workflow with AI

CT Smart Workflow

Focus on your patients rather than on repetitive system tasks with an intuitive user interface and smart automation. AI-enabled CT Smart Workflow applications combined with OnPlan patient-side gantry controls work together to automate, standardize and speed up CT workflow from patient preparation through scanning, reconstruction and post-processing.



Precise Position³

- Up to **50%**⁴ improved accuracy of vertical centering relative to manual positioning using AI enabled camera
- Up to **70%**⁴ increase in user to user consistency



Precise Intervention⁵

- **16%**⁶ reduction in procedure time
- Minimize patient risk with needle guidance

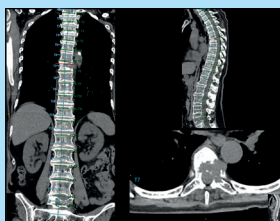


Precise Image

- **80%**⁷ dose reduction with fast AI reconstruction



Precise Spine



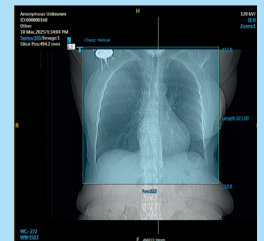
Precise Spine

- Automatic labelling of vertebrae
- Automatic axial image series based on spinal cord



Precise Planning

- Improve consistency across technologists
- Automatic detection of anatomical landmarks from start and end positions



Precise Planning



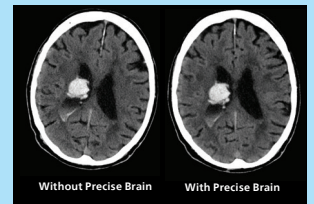
Precise Cardiac

- Improved coronary artery visualization with motion correction smart algorithm
- **29**⁸ ms effective temporal resolution



Precise Brain

- Automatically align images parallel to the OML



Precise Brain



OnPlan patient-side gantry controls Users have reported:

91% agree that OnPlan enabled more consistent results⁹

48% report workflow improvement of 7+ exams/day⁹

84% agree that OnPlan patient-side gantry controls have improved patient satisfaction⁹



AI-enabled Clinical Applications

Enhance clinical decision-making, improve image quality and reduce radiation dose by leveraging advanced AI capabilities.

With Precise Image AI-based reconstruction, simultaneously¹⁰ achieve:

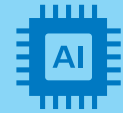
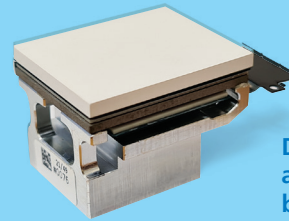


80% lower radiation dose¹⁰

85% lower noise¹⁰

60% improved low-contrast detectability¹⁰

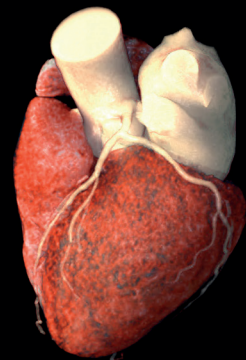
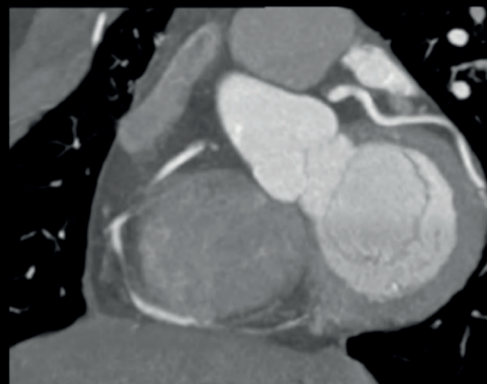
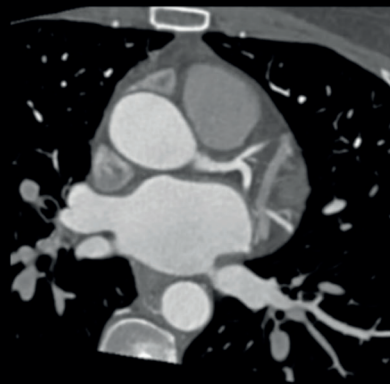
NanoPanel Precise detector



Designed for AI and reduces noise by up to 19%¹¹

Improved Cardiac imaging at ultra-low dose

The NanoPanel Precise detector, paired with Precise Image for enhanced image quality at ultra-low dose levels and Precise Cardiac for motion correction, delivers premium cardiac imaging—making advanced care accessible to more patients.



Precise Image at 1 mSv effective dose

Elevate imaging performance across multiple anatomies

This includes lung screening with an effective dose below 0.4 mSv.



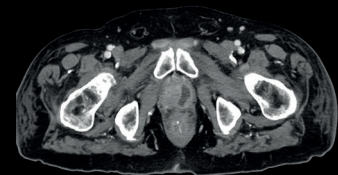
80 kVp, 30 mAs, CTDI_{vol} 0.7 mGy, DLP 28.3

Lung



100 kVp, 99 mAs, CTDI_{vol} 4.82 mGy, DLP 250 mGy*cm

Abdomen



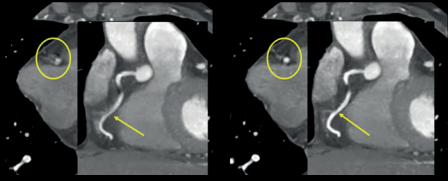
100 kVp, 142 mAs, CTDI_{vol} 6.89 mGy, DLP 410 mGy*cm

Prostate

Clinical cases

Motion-free coronary arteries with Precise Cardiac

Heart rate of 93 bpm



Without Precise cardiac

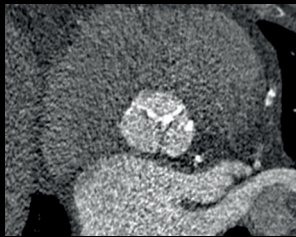
With Precise cardiac



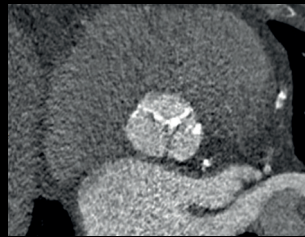
120 kVp, 200 mAs, CTDI_{vol} 16.26 mGy, DLP 295 mGy*cm

Reduce dose and noise for complex TAVI exams

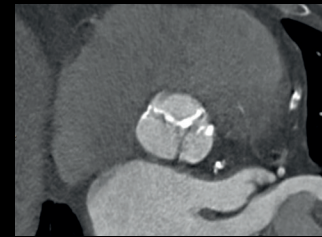
Improved delineation of complex structures



Filtered back projection

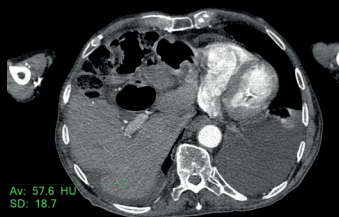


iDose⁴



Precise Image

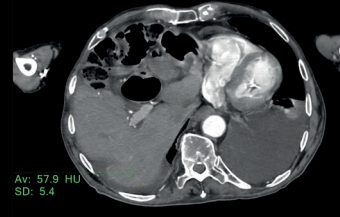
Improved image quality and reduced noise for challenging patients



120 kVp, 101 mAs, CTDI_{vol} 8.2 mGy, DLP 266 mGy*cm

iDose⁴

1 mm



120 kVp, 101 mAs, CTDI_{vol} 8.2 mGy, DLP 266 mGy*cm

Precise Image

1 mm

Lower dose and higher image quality with Precise Image



120 kVp, 94 mAs, CTDI_{vol} 7.6 mGy, DLP 418 mGy*cm.

Precise Image



Future-proof your investment

Extend your team's capabilities with Virtual Imaging tools



Foster team consistency and capacity with CT Collaboration Live

- Simplify consultation and training with remote connectivity



Build and sustain staff competency through Lifecycle Learning

- Access instructor-led training with a Philips clinical expert
- Build staff proficiency



Reliable system design for peace of mind



Software-enabled upgradability

Customize your system for today with the flexibility to upgrade and expand features as your needs evolve.



Keep control of your operational costs

Manage costs and bring predictability to your department with CT Technology Maximizer.



Minimize unplanned downtime

See reliable tube life supported by the Tube for Life guarantee¹¹ and proactive and remote service maintenance.

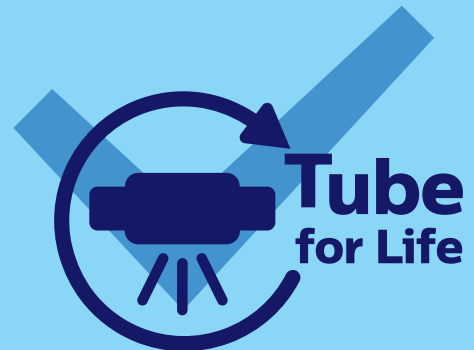
Tube for Life guarantee¹²

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.¹³

Possible cost of replacement tubes for your system = \$420,000



With Tube for Life replacement tube cost = \$0





Reduce unplanned downtime with Remote Maintenance services for CT 5300



- 1 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 ten-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.
- 2 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.
- 3 Patients below the age of 18 are not supported.
- 4 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.
- 5 Precise Intervention is not AI-enabled.
- 6 Chacko C. Precise Intervention Clinical Review Report for Loong. Philips Doc ID: D000874955. 2021.
- 7 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 of Precise Image, 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 50mm x 50 mm region of interest, with an average shift of 6% or less.
- 8 Applicable for 0.35s/r.
- 9 Based on a third-party survey of 145 users across eight countries. Quantitative Report 2020 Incisive CT. The MarketTech Group. November, 2020. Actual results in other cases may vary.
- 10 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 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. Data on file
- 11 Measured with Precise Image on water and anthropomorphic phantoms relative to predecessor detector. Data on file.
- 12 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.
- 13 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.
- 14 Data on file is based on the quantity of Incisive tubes replaced. Data sample from FY2020-FY2023 in NAM region.
- 15 Based on data collected between January 2023 and August 2024 on all service-related calls for the Incisive CT and 14 CT systems.
- 16 Based on data collected between September 2023 through September 2024 on the Incisive CT system with remote capabilities.
- 17 Based on data collected between September 2023 through September 2024 on the Incisive CT system with remote capabilities.
- 18 Based on global Philips data from FY2022-FY2023. (Incisive CT systems under a service agreement)
- 19 Installation hours depend on site preparation based on the data collected on the Incisive system. Network cabling is specific to each site and must be coordinated before system delivery. Delays in site readiness may affect the installation schedule.

