

The image shows a Philips CT 3500 scanner in a clinical setting. The machine is white with a large circular gantry. A patient table is partially visible on the right. The background is a clean, modern hospital room with a white ceiling and walls. The text is overlaid on the image in various colors and fonts.

PHILIPS

Computed
Tomography

CT 3500

Imagine
what you could do in a day

Philips CT 3500

The capabilities you seek.
The reliability you demand.

Expand your clinical capabilities with a system so hardworking and reliable that you can count on its performance and productivity day after day. Philips CT 3500 has advances driven by AI-enabled¹ workflow to help meet your organization's most pressing challenges. This system helps enhance the experience for your patients and staff while also offering an attractive total cost of ownership.

Everyday efficiency and intelligence

Clinically enhance health outcomes

- AI-enabled at every step with CT Smart Workflow
- Improved diagnostic confidence in image quality with Precise Image
- Simple post-processing and consistent image quality with Precise Brain and Spine

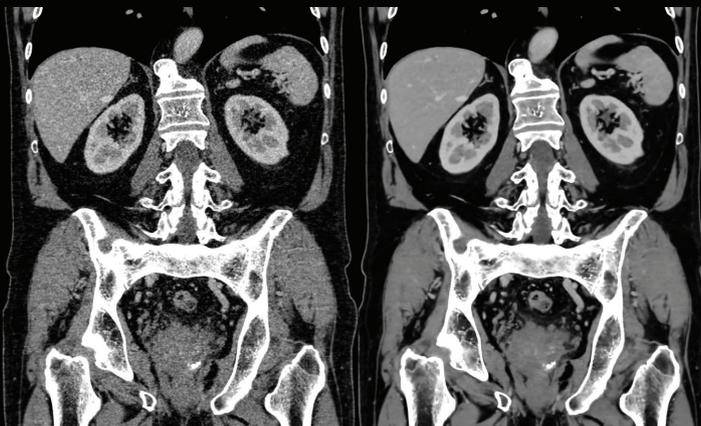
Operationally improve patient and staff experience

- Capability of continuous lung screening scan with no cooling time for up to 240 patients in 8 hours
- Reduce patient positioning time by up to 23% and enable interoperator consistency
- Reduce workflow time for lung screening by up to 50% with CT Smart Workflow and OnPlan patient-side gantry controls

Financially reduce overall cost of care

- Clinical breadth and high performance tube enable 200-300 patient exams per day
- 50% longer tube life compared to a traditional tube
- Remote service technology resolves 38% of issues without on-site service, improving uptime and enabling a first-time fix rate of 84%*

*Data collected across Philips CT scanners using Remote Services, and numbers will be updated on a rolling basis when more CT 3500 data is available.



FBP - 1 mm

Precise Image - 1 mm

AI powered Precise Image improves noise and image quality.

German excellence that stands the test of time

The vMRC tube is made and tested at the Philips Innovation and Manufacturing Center of Excellence in Hamburg, Germany. Count on it day after day to help you achieve high-quality results.



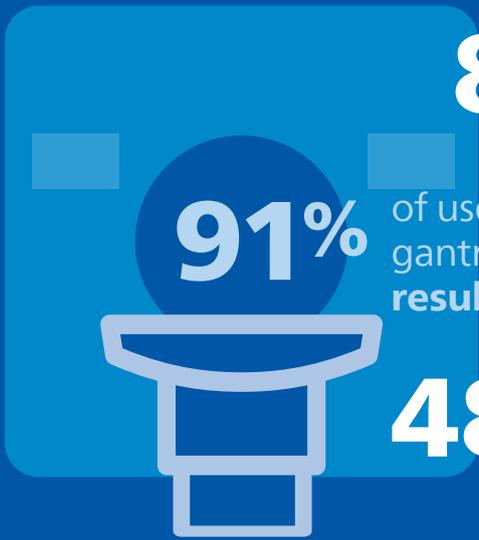
Spiral-groove bearing
Direct cooling of anode and wear-free bearing helps to improve tube uptime.



Slotted anode
Unprecedented stress relief from rapid heating and cooling cycles.



Smart Card
Constantly measures critical tube performance metrics to increase tube uptime.



84% of users agree that OnPlan patient-side gantry controls have **improved patient satisfaction**²

91% of users agree that OnPlan patient-side gantry controls enable **more consistent results between users**²

48% of users agree that OnPlan patient-side gantry controls allow for at least **7 more patients per day**²



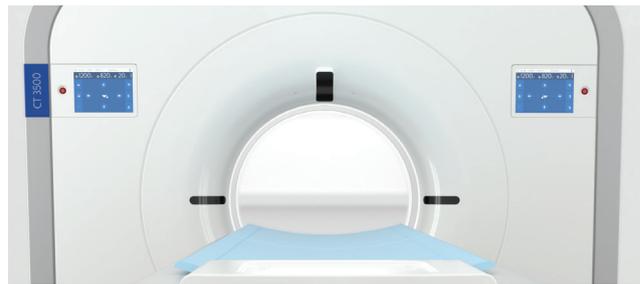
Results from case studies are not predictive of results in other cases. Results in other cases may vary.

Delivers intelligence that adapts to you

How do you consistently maximize your CT capabilities?

What if a CT solution allowed for smart clinical decisions at every point, allowing you to do more from the patient's side with faster time to results and greater consistency among users?

We're bringing new ways to help you stay competitive in your market, managing operational costs while you work to optimize patient care.



OnPlan patient-side gantry controls allow you to do more at the patient's side.

Enable operator consistency and reduce time to results

OnPlan patient-side gantry controls

Advanced and easy-to-use tools for positioning and protocol selection are designed so that the majority of tasks needed to set up and end the scan can be completed right at the patient's side. The technologist can stay close the patient, providing a calming influence and improving the patient experience.



Easily move the couch by touching the panel screen and swiping in the direction of desired movement.

See what CT Smart Workflow can do for you

Achieve consistent image quality and reduce time to results through adaptive AI tools at every step of the exam for a precise diagnosis.

CT Smart Workflow

Precise Image

Utilizes AI with a deep learning and convolution neural network to improve image quality, help reduce reading time and improve diagnostic confidence.

Precise Brain

Automated MPRs that are precisely oriented to anatomical landmarks simplify image post-processing.

Precise Spine

Automated MPR and vertebral body labeling simplify image post-processing.



Precise Intervention

Automatic needle tracking improves accuracy to provide confidence and efficiency.

Precise Position

Improves accuracy of vertical positioning relative to manual positioning by up to 50% and increases consistency from user to user up to 70%*.

Precise Planning

Automated detection and positioning simplify scan preparation.

*Based on Philips in-house assessment by five clinical experts, comparing manual versus Precise Positioning in 40 clinical cases using a human body phantom.



CT Smart Workflow's Precise Spine provides automatic labeling of vertebral bodies. L3-L4, L4-L5 and L5-S1 identified using Precise Spine.

High image quality with reduced noise

Expect up to **80% lower radiation dose**, up to **85% lower noise** and up to **60% improved low contrast detectability*** – simultaneously – with an image appearance that closely resembles filtered-back projection (FBP). All reference protocols are reconstructed in less than a minute, making it our fastest AI reconstruction. Improved image quality helps increase diagnostic confidence and reduce radiologist reading time. In addition, Philips iDose⁴ and O-MAR (orthopedic metal artifact reduction) work together for improved image quality with reduction in noise and artifacts.

* 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 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. Data on file.

PHILIPS

Automatic patient positioning

Precise Position allows for single-click positioning so that staff can focus on the patient.

Inaccurate patient positioning is a common and documented challenge in CT imaging, which can lead to unwanted consequences such as increased patient dose and image noise.³

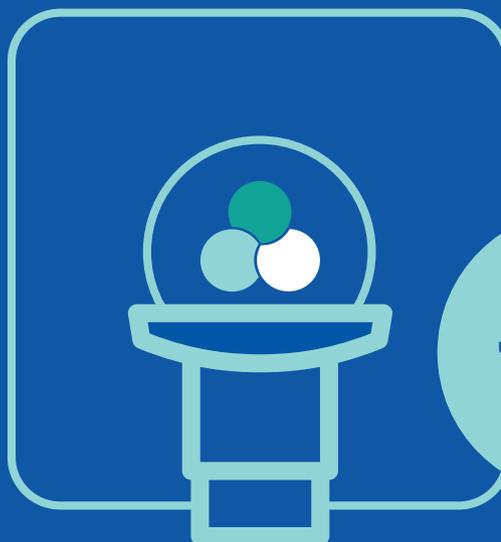


Precise Position

An AI-enabled camera supports automatic patient positioning for significantly increased positioning accuracy and user-to-user consistency in a fraction of the time.

Camera-based workflow supports automatic positioning for a wide range of clinical scan types.

Remote operation optimizes patient and staff safety



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

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



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



* Based on Philips in-house assessment by five clinical experts, comparing manual versus Precise Positioning in 40 clinical cases using a human body phantom.

We understand you depend on uptime

Our global expertise and local service can alert you to any negative trends so that many challenges can be anticipated and solved before they affect day-to-day operations. Minimize unplanned downtime through sensors that continuously monitor internal and external operating parameters, helping you plan for maintenance.



A busy hospital is full of surprises

Financial challenges. Governmental mandates. Personnel shortages. Healthcare systems are facing challenges like never before.

Confidence comes from knowing you have operational reliability.

Quick resolution

Remote service technology resolves 38% of issues without on-site service, improving uptime and enabling a first-time fix rate of 84%.*



vMRC tube

The vMRC tube is designed for reliability and high uptime.

With the spiral-groove bearing design, direct cooling of anode and wear-free bearing helps improve uptime. The slotted anode relieves unprecedented stress from rapid heating and cooling cycles.



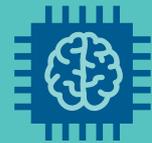
An easy path to upgrades

Choose from a range of upgrade options and programs when your business is ready to take the next step. The software updates, including those for Windows OS, console applications and system firmware, can be deployed remotely to keep your system in good performance and up to date.



vMRC Smart Card

The vMRC Smart Card provides valuable data to aid remote 24/7 monitoring in keeping your system operating at its best.



* Data collected across Philips CT scanners using Remote Services, and numbers will be updated on a rolling basis when more CT 3500 data is available.



References

- 1 According to the definition of AI from the EU High-Level Expert Group.
- 2 Quantitative Report 2020 Incisive CT. The MarketTech Group. November, 2020.
- 3 Toth T, Ge Z, Daly MP. The influence of patient centering on CT dose and image noise. *Med Phys.* 2007;34(7):3093-3101. doi.org/10.1118/1.2748113

Philips CT 3500 is a computed tomography X-ray system intended to produce images of the head and body by computer reconstruction of X-ray transmission data taken at different angles and planes. These devices may include signal analysis and display equipment, patient and equipment supports, components and accessories. Philips CT 3500 is indicated for head, whole body, cardiac (Cardiac Calcium Scoring) and vascular X-ray computed tomography applications in patients of all ages. These scanners are intended to be used for diagnostic imaging and for low dose CT lung cancer screening for the early detection of lung nodules that may represent cancer.* The screening must be performed within the established inclusion criteria of programs and protocols that have been approved and published by either a governmental body or professional medical society.

* Please refer to clinical literature, including the results of the National Lung Screening Trial (*N Engl J Med* 2011;365:395-409) and subsequent literature for further information.

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