



**PHILIPS**

Computed  
Tomography

Incisive CT

# Precision every day

## Philips Precise Suite

This is how the day you've planned becomes the day that happens. Precise Suite includes artificial intelligence (AI) that's deeply embedded into the tools you use every day so that you can apply your expertise to the patient, not the process.

Remove common obstacles to CT performance, clearing the way for the precision in dose, speed and image quality that helps set you apart. Precise Suite improves the experience from the start of the exam through reconstruction and review.

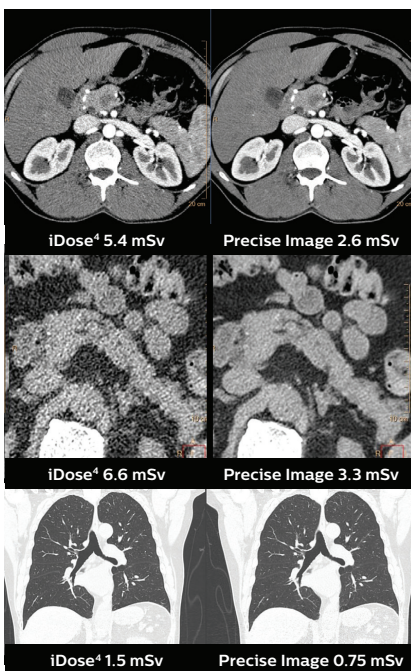
# Every day needs to be **first-time right**



That's why every day needs Precise Suite in your CT suite. Powerful AI-enabled tools bring you advances that matter in your day-to-day imaging, such as AI reconstruction, automatic patient positioning and motion-free cardiac imaging. Precise Suite also offers advances in interventional CT, planning, and brain and spine imaging.



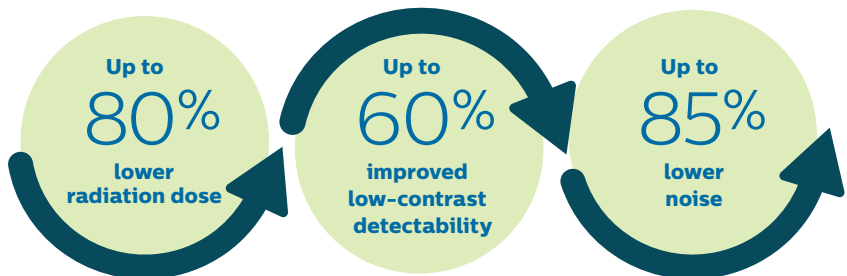
## Precise Image



### Improved confidence and reduced reading time

Precise image puts the power of deep-learning neural network to work for you for dramatic reductions in dose and image noise, significant increase in low-contrast detectability, and reductions in reading time. It's the industry's fastest AI reconstruction with all reference protocols reconstructed in less than one minute.

### Simultaneously\*



\*Lower image noise, improved low-contrast detectability, and/or dose reduction were tested using reference body protocols. All metrics were tested on phantoms. Low-contrast detectability tests were performed using 1.0 mm slices, and tested on the MITA CT IQ Phantom (CCT183, The Phantom Laboratory), using an auto tool "CHO" (Channelized Hotelling Observer). Data on file.



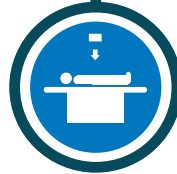
Precise Cardiac allows for motion-free cardiac imaging.



## Precise Cardiac

### Motion-free cardiac

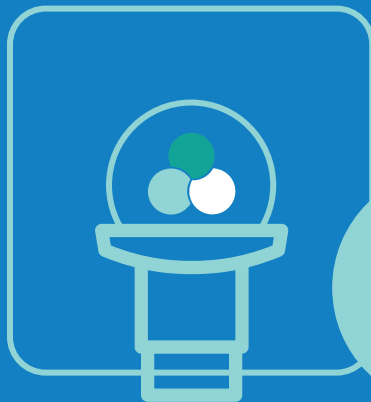
Motion has long been a challenge in cardiac imaging, especially at high heart rates. Used prospectively or retrospectively, Precise Cardiac corrects for motion in cardiac images to improve image quality at high heart rates.



## Precise Position

### Automatic patient positioning

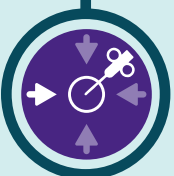
Inaccurate patient positioning is a common and documented challenge in CT imaging, which can lead to unwanted consequences such as increased radiation dose to the patient and image noise.<sup>1</sup> An AI-enabled camera supports automatic patient positioning for significantly increased positioning accuracy and user-to-user consistency in a fraction of the time.



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

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

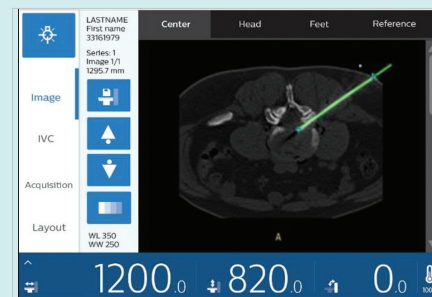
Improves accuracy of vertical centering relative to manual positioning by up to **50%\***



## Precise Intervention

### Automatic needle tracking

The needle guidance of Precise Intervention enhances workflow for confident interventional CT procedures. Automatically calculate depth, angle, tip-to-target and deviation from plan, enhancing the speed and efficiency necessary for quick and confident interventional procedures. In addition to Precise Intervention, OnPlan gantry controls provide workflow flexibility to the interventional radiologist.



OnPlan allows workflow flexibility for the interventional radiologist.

\*Based on Philips in-house assessment by five clinical experts, comparing manual versus Precise Positioning in 40 clinical cases using a human body phantom. Results from case studies are not predictive of results in other cases. Results in other cases may vary.

# Precise Suite



## Reference

1. 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.

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