



PHILIPS

Diamond Select

Ingenuity 128 CT

Brighten the way ahead

Delivering outstanding medical care for your patients means reaching confident diagnoses through excellent imaging. You need a solution to meet your clinical needs in an environment of increased pressure to manage healthcare spending. Philips Diamond Select, our qualified refurbishment program, offers you affordable, high-quality, up-to-date CT technology.

With the Ingenuity 128, it's all about clinical confidence in action. Ingenuity brings you the benefits of 128-slice scanning by providing improvements in z-axis visualization for thin-slice helical acquisitions.

Key advantages

- Advanced clinical capabilities
- Low dose and high image quality with the iDose⁴ Premium Package
- Wide range of patient and procedure type capability
- IMR ready: industry-leading low contrast resolution

High performance, no trade-offs

Clinical performance:

- Confidence and consistency 24/7 with iPatient
- Appropriate contrast dose and consistent image quality with SyncRight
- Industry-leading low-contrast resolution with IMR

Patient experience:

- Personalized image quality across a wide patient population
- Low dose and high image quality with the iDose⁴ Premium Package
- Improved visualization in the presence of large metal orthopedic implants

Economic value:

- OEM refurbished CT scanner with system warranty and full range of service offerings
- MRC Ice X-ray tube for reliability and fast cooling
- Reference protocols reconstructed with iDose⁴ in less than a minute (for majority of protocols)
- Early reading with IntelliSpace Portal preprocessing

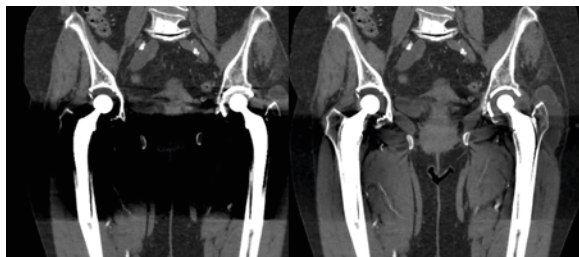
Until now, CT scanning has often been about trade-offs. You've been forced to choose between high image quality and low dose – between an iterative reconstruction technique and speed. Well, no longer. The Philips Diamond Select Ingenuity 128 CT offers features that deliver high performance with virtually no trade-offs. Innovative workflow solutions such as the iDose⁴ Premium Package and iPatient, put you in control. iPatient is an advanced platform that delivers focused innovations to facilitate patient-centered imaging, now and in the future. And with the iterative model reconstruction (IMR) option, Ingenuity offers industry-leading low-contrast resolution and virtually noise-free image

quality with significantly lower doses.*

IMR gives you confidence through enhanced visualization of fine detail and improved accuracy.

iDose⁴ Premium Package

The Ingenuity 128 features the iDose⁴ Premium Package which includes two leading technologies that can improve image quality: iDose⁴ and metal artifact reduction for large orthopedic implants (O-MAR). iDose⁴ improves image quality** through artifact prevention and increased spatial resolution at low dose. O-MAR reduces artifacts caused by large orthopedic implants. Together they produce high image quality with reduced artifacts.

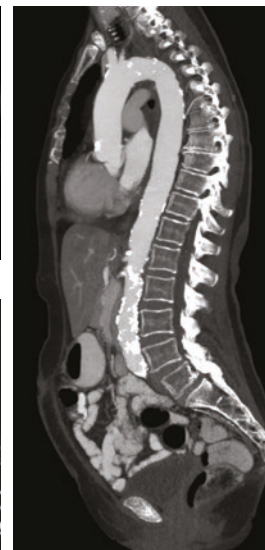


iDose⁴ and O-MAR off

iDose⁴ and O-MAR on



Exceptional image quality, low energy CAP exam; 59.5 cm, 80 kVp, 135 s reconstructed with iDose⁴ Level 3.



2.5 mSv chest abdomen and pelvis



* In clinical practice, the use of IMR may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. 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. Lower image noise, improved spatial resolution, improved low-contrast detectability, and/or dose reduction, were tested using reference body protocols. All metrics were tested on phantoms. Dose reduction assessments were performed using 0.8 mm slices, and tested on the MITA CT IQ Phantom (CCT183, The Phantom Laboratory), using human observers.

** Improved image quality is defined by improvements in spatial resolution and/or noise reduction as measured in phantom studies.