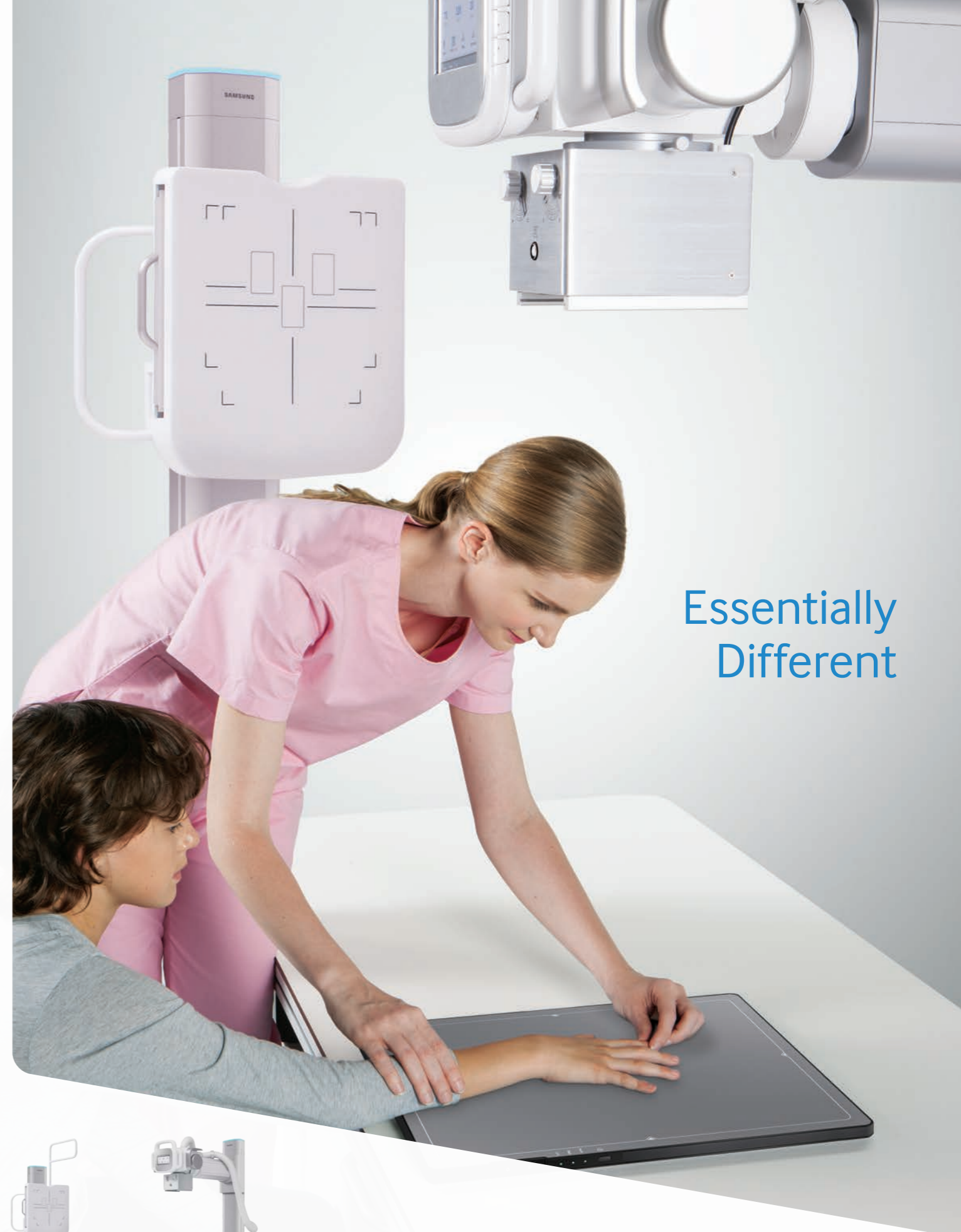


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CT-XGEO GF50 1.0-FTW-131205-EN



Essentially
Different



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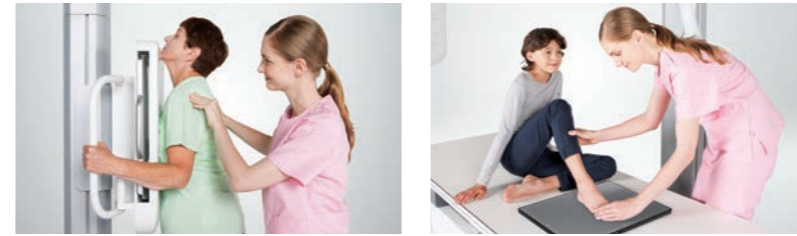


XGEO GF50



SMART USABILITY TO DRIVE PERFORMANCE

Meet XGEO GF50, the essential Digital Radiography for your facility that can satisfy your needs for a great performance at an improved bottom line. Designed to fit even in tight spaces, the compact digital radiography (DR) system will provide you with high-quality, reliable output while helping you reduce diagnosis time through easy and fast operation. By constantly monitoring the system's condition, XGEO GF50 will help you keep up the best performance to provide quality patient care at all times.



Accurate

Samsung's advanced technology captures high-quality images with low dose.



Easy

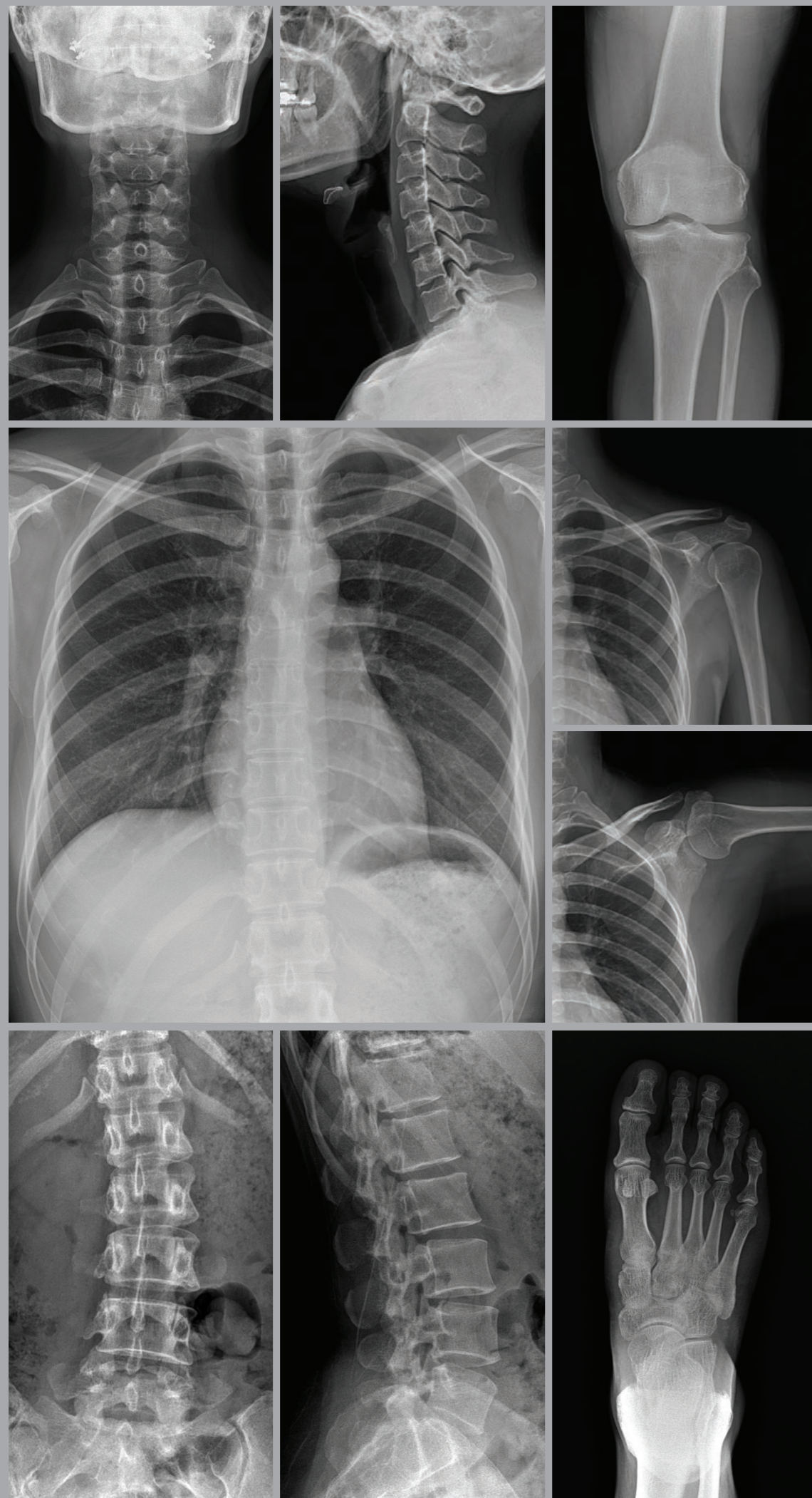
Radiologists can experience increased work efficiency from simplified workflow via faster acquisition time, user-friendly design and streamlined interactions with staff and patients.



Fast

Healthcare professionals can make quicker diagnoses, thus improving efficiency.





PRECISION FOR TOP-QUALITY CARE

XGEO GF50 features Samsung's top-class imaging technologies to ensure accuracy with high-quality images. The DR system can capture and process images with less noise, while Samsung's superior image processing algorithms improve details and enhance contrast for better visibility.



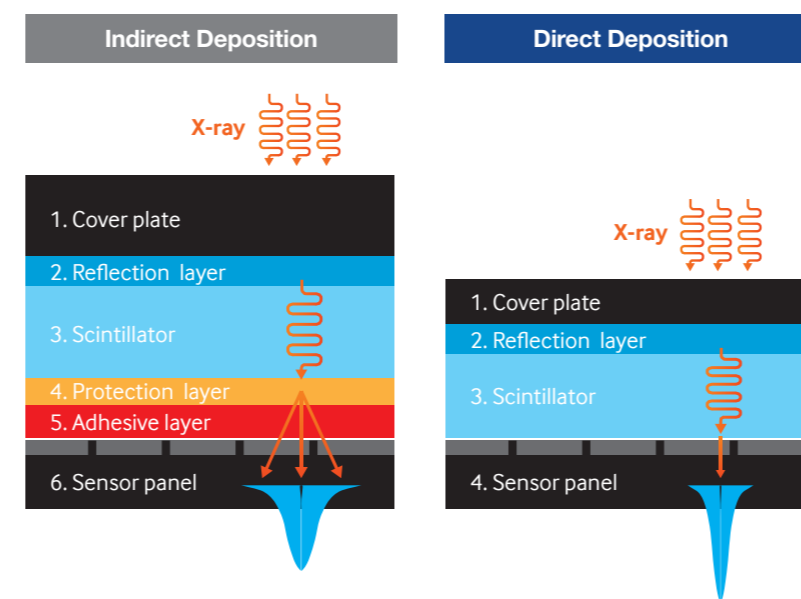
ACCURATE EASY FAST

Advanced direct deposition detector

Samsung's direct CsI deposition type wireless detector enables X-ray signal to pass directly from the scintillator to TFT without interruption for clearer, sharper imaging.

The efficiency of radiation and spatial resolution are improved compared to previous indirect type detectors, reducing radiation needed to ensure high image quality.

Thus, Samsung's innovative wireless detector combined with excellent product quality leads to diagnostic accuracy and patient safety.



Improved post-image processing

Adaptive Local Contrast Stretching (ALCOS) provides region-of-interest-based image enhancement. The noise filter increases resolution and decreases noise. Smart Dynamic Range (SDR) captures more diagnostic information without contrast degradation in other regions of interest. Smart Contrast Enhancement (SCE) improves contrast on the region-of-interest contrast without amplifying noise.

Enhanced dose management

The DR system manages and lowers required radiation dose with several advanced functions. Dose Area Product (DAP) provides patient-level dose estimates and maximum recommended exposures. Relevant information is stored on PACS, enabling cumulative patient dose tracking. Automatic Exposure Control (AEC) reduces excessive patients' radiation exposure.



FLEXIBILITY AND SPEED LEADING TO EFFICIENCY

DR operators need a solution that is easy to use, speeds up their work and quickly gets results to patients. XGEO GF50 offers multiple features to make DR easy and fast:

Ergonomic design

The intuitive, ergonomic design provides enhanced accessibility with 4- or 6-way table movement for quick, accurate patient positioning. A portable 1D wireless detector with a rotatable tray enables easy examinations. The Anatomical Programmed Radiography (APR) selects the appropriate imaging method for the parts being imaged to ensure quick examinations, and hospitals can select the APR database according to their needs.



Auto tracking

Automated operation such as Auto tracking yields a fast, accurate diagnosis, regardless of the patient's position.



Quick exam time

Preview and acquisition take less than 3 seconds, and full acquisition less than 10 seconds.



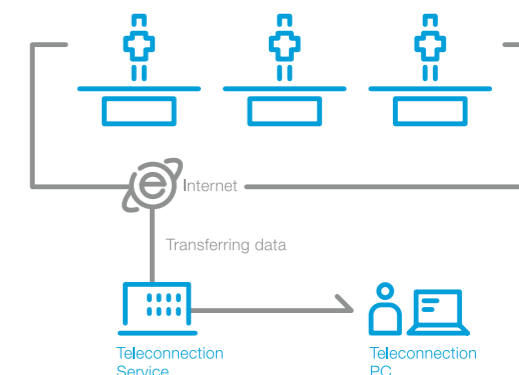
Foot switch sensor

The wide table enhances patient comfort, and the foot switch sensor helps users to conveniently control the table top by recognizing the push of the user's foot.



Maintain high performance at all times

XGEO GF50 includes Remote Maintenance Service (RMS)*, which is designed to assure high performance at all times. RMS constantly monitors the system's condition and instantly alerts engineers to issues. With this "high performance at all times" approach, real-time assistance services can respond immediately when problems occur. Upon an alert, auto-diagnosis and repair services can be provided through remote access assistance.



** Supported on the 4-way table only

* Option

