

Radiography System

RADspeed fit

XD package



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RADspeed fit XD package

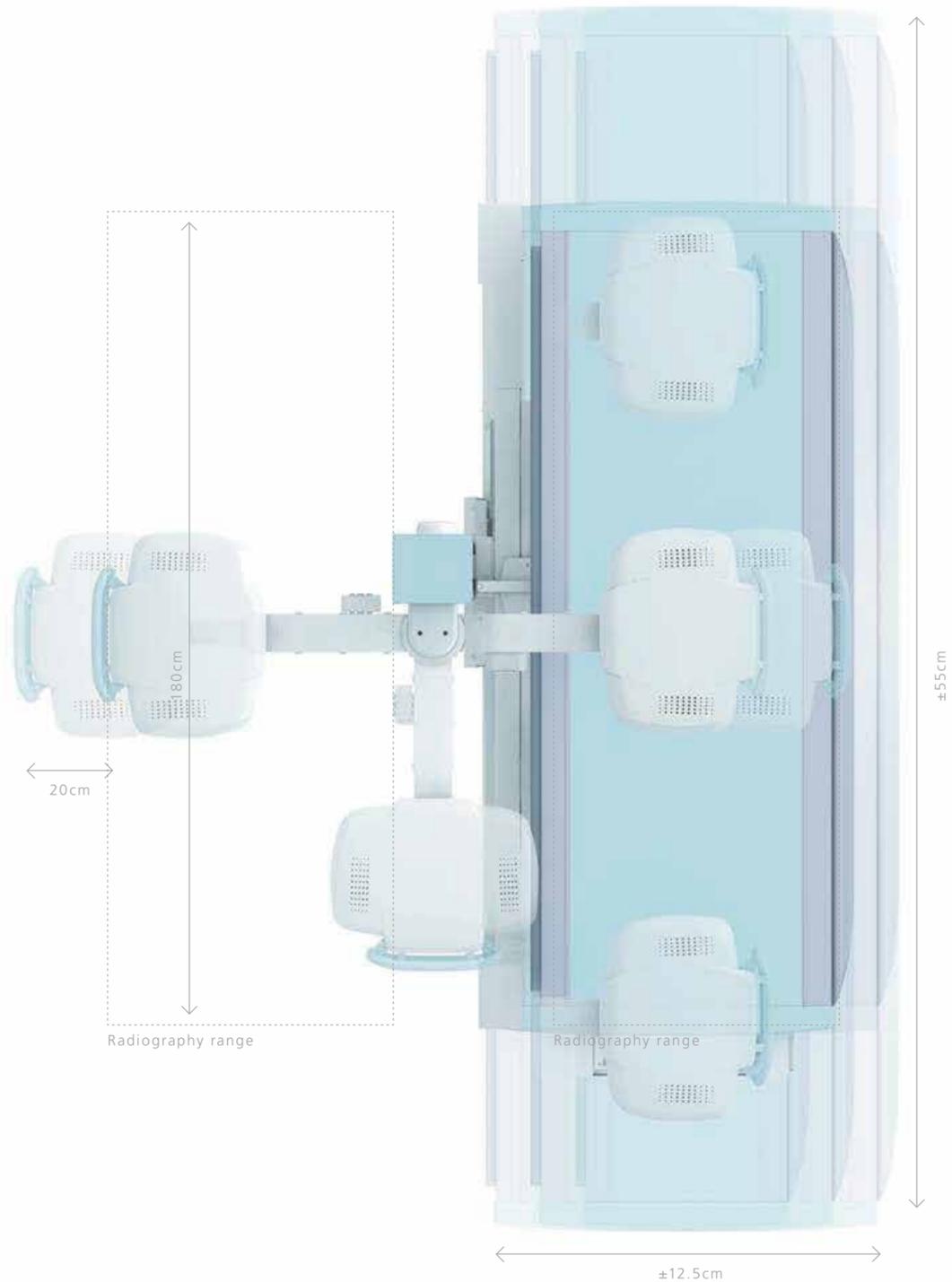
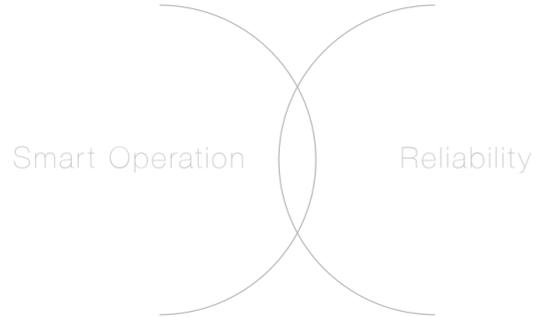
Fits Your

Clinical Needs for Flexible Positioning



Needs for Ease of Use and Smart Operation

This radiography system integrates ease-of-use features from top-class systems in a simple manner. The system is equipped with a floating tabletop that can support up to 220 kg, and a detachable grid to reduce patient exposure. Furthermore, with its high image quality due to the large output power and simple operability, this radiography system provides a sense of ease and comfort unique to Shimadzu.



Offers Unimaginably Wide Radiographic Coverage Through a Combination of Tabletop Movement and X-Ray Tube Support

Although the main unit is compact, the tabletop and X-ray tube can be moved freely over a wide range, for truly easy positioning.

Electromagnetic Lock System Offers Sure and Easy Positioning

Thanks to the one-touch electromagnetic lock system, making fine adjustments to the radiography position, and securing it firmly, can be done easily and smoothly. The exposure field lamp lights up automatically during lateral movement of the table top to make sure of the positioning.

The All-Free Switch Enables Speedy Positioning with Minimum Operations

To support speedy positioning, the system is equipped with an All-Free switch that allows you to freely move the X-ray tube vertically or laterally with a single touch.

X-ray Tube Arm Swivel Capability Supports Stretcher or Wheelchair Examination

The X-ray tube arm can pivot 180° around the support column, so you can perform radiography with a stretcher or wheelchair along the far side of the tabletop. Radiography can be performed smoothly even during emergency transport. (Rotation is mechanically locked.)

Smart Operation

Reliability

All-in-one DR solution

Light Weight Wireless FPD

XD1417S portable detector is light weight FPD weighing as little as 2.8kg(6.1lbs) and supports wireless networking which transmits captured images to the console.

XD1417S

- 14x17inch Wireless Flat Panel Detector, Scintillator CsI
- Weight 2.8kg(6.1lbs)
- Lithium-ion Capacitor Battery



Quick Preview and Smart GUI Enhance Work Flow

After exposure, a preview image immediately appears on the display of DR console in less than two seconds. DR console has a user-friendly graphic interface adding new and powerful proprietary functions. GUI design can be modified to customer preferences flexibly, succeeding the conventional console design.



Screen Sequence



Study List



Study View



Image View

Smart Operation

Reliability

User-Friendly Operation



Simple Operation with 432 Anatomical Programs

Radiography conditions are easily configured, thanks to an anatomical program system. The optimal radiography conditions can be configured quickly by combining the radiography technique with the anatomical position, the radiography direction, and the body thickness.



New Exam Navigation System Helps You to Make Appropriate Examinations

When the radiography position and radiography technique are selected, a new navigation program displays information such as the radiography distance, the cassette size, and whether the grid is necessary. Accurate preparations for radiography can be performed smoothly, even at busy facilities.

Color-Coded LED Status Indicator

A status indicator has been adopted in this class to color code the system status. This is achieved using environmentally friendly LEDs.



*)Note
This number represents the maximum number of APR which can be registered under analog system of RADspeed fit. The registrable number varies when combined with XD package.

Smart Operation

Reliability

High Reliability, Dose Optimization

Large Output Power Achieves Top-Class Image Quality

This system is equipped with a large-output X-ray high-voltage generator with a maximum tube current of 500 mA (32 kW type) or 630 mA (56 kW type), levels that are unprecedented in conventional integrated radiography systems. This provides imaging quality on par with top-class models, and improves the quality of X-ray image diagnoses.



Sturdy and Smooth Floating Tabletop Movement

The tabletop can support up to a 220 kg patient load. Examinations can be performed safely even on larger patients or when assistance on the tabletop is required.



Power-Saving Design in Harmony with Nature

Although radiography systems consume large amounts of power during radiography operations, they are almost always on standby while switched on. The RADspeed fit is equipped with an energy-saving feature that limits standby power during idle time.



Detachable Grid Ensures Both Low Patient Exposure and High-Quality Images

During pediatric radiography, the grid can be removed to reduce radiation. As a result, unnecessary radiation during examinations is eliminated.

Answering the Patient's Concerns about Radiation Exposure

Recently, there are increasing concerns about X-ray radiation in clinical practice. In response to this and to reduce dosages, the RADspeed fit includes a function that calculates and displays the anticipated X-ray dosage prior to exposure (option). This makes it easy to answer questions from the patient about the degree of exposure.



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Shimadzu Corporation Medical Systems Division has been certified by TÜV Rheinland as a manufacturer of medical systems in compliance with ISO9001:2008 Quality Management Systems and ISO13485:2003 Medical Devices Quality Management Systems.

Remarks:

- Every value in this catalogue is a standard value, and it may vary a little from the actual at each site.
- The appearances and specifications are subject to change for reasons of improvement without notice.
- Certain configurations may not be available pending regulatory clearance. Contact your Shimadzu representative for information on specific configurations.
- Before operating this system, you should first thoroughly review the Instruction Manual.