

# GXR-SD Series

Digital Radiography System



# GXR-SD Digital Radiography System

## High Performance and Reliability

### Optimal DR System

The GXR-SD Series is a diagnostic digital radiography system that provides reliable high quality digital radiographic images with a reduced dose. The GXR-SD DR systems offer comprehensive digital solutions to all radiography needs, featuring ACQUIDR digital imaging system with stationary or portable digital flat-panel detectors as well as reliable high-frequency x-ray generators that are known worldwide for their excellent performance, lifetime and stability. Various tubes with user-friendly designs, patient tables and wall stands are also offered at the user's request. The GXR-SD Series DR system is guaranteed to improve your workflow, exam throughput and efficiency with its excellent performance.



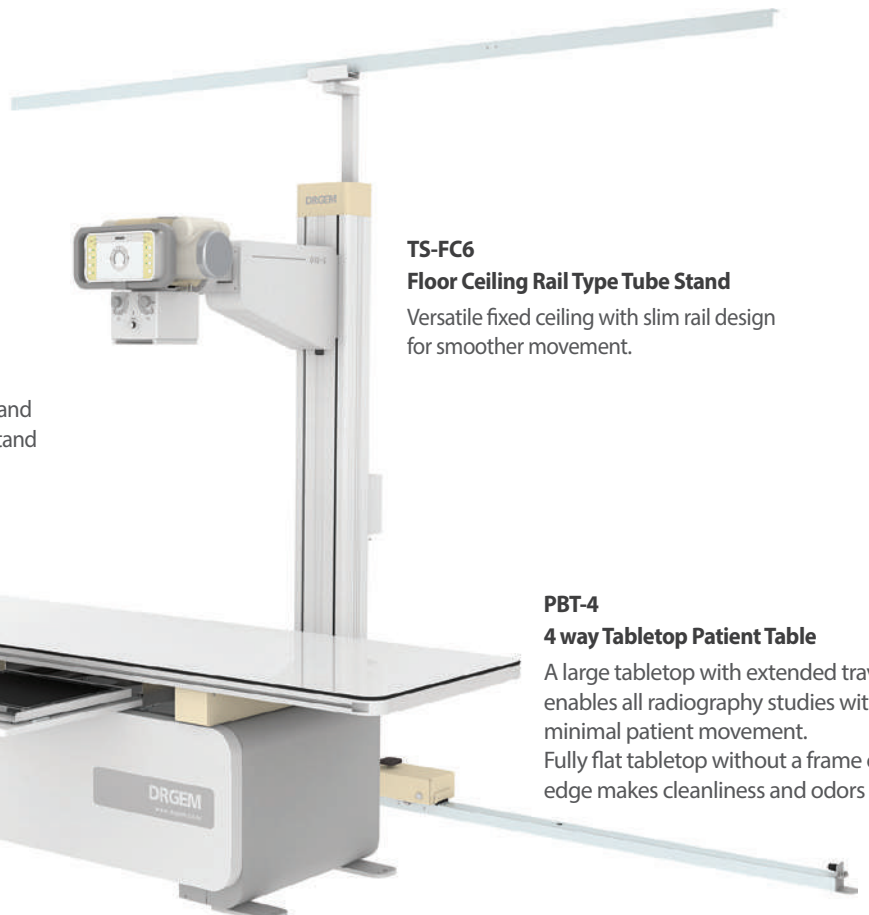
**TS-FM6**  
**Floor Mount Tube Stand**

Floor Rail type tube stand provides all radiography studies with very smooth movement on the rail.



**WBS**  
**Wall Bucky Stand**

Elegant design, durable and easy to use Wall Bucky Stand provides full satisfaction.



**TS-FC6**  
**Floor Ceiling Rail Type Tube Stand**

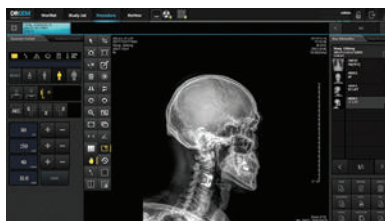
Versatile fixed ceiling with slim rail design for smoother movement.

**PBT-4**  
**4 way Tabletop Patient Table**

A large tabletop with extended travel enables all radiography studies with minimal patient movement. Fully flat tabletop without a frame on the edge makes cleanliness and odors free.

## Full Featured Imaging Software & Excellent Digital Image Processing

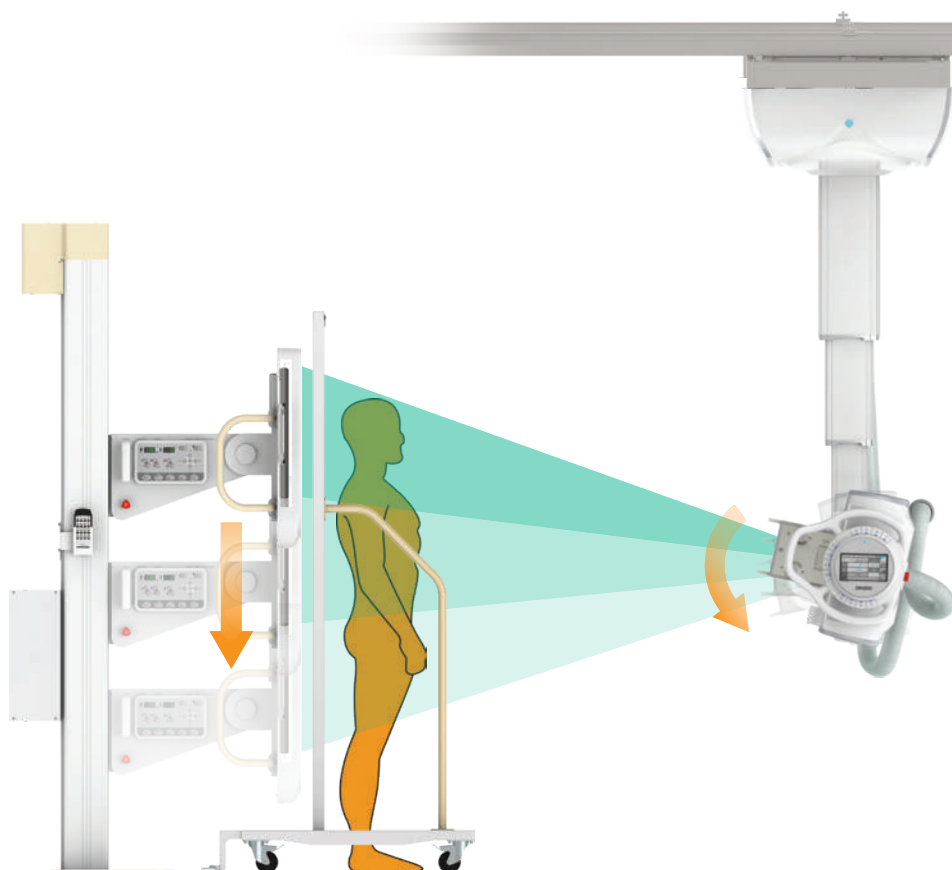
DRGEM's high-performing imaging workstation and software system offers a convenient interface and easy operation for its users. Anatomical view-based digital image processing automatically optimizes and enhances the quality of the captured images, while the automatic image storage and printing with DICOM 3.0 networking capability increases exam throughput and decreases examination time.



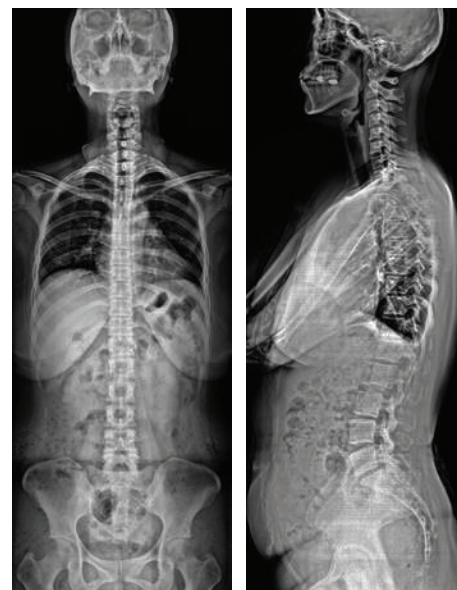
- Provides convenient user interface and easy operation
- Anatomical view-based digital image processing automatically optimizes and enhances the quality of the captured image for the pictured anatomy.
- Radiographic stand & automatic collimator control function
- DICOM 3.0 networking interface includes Worklist, Print, Store, Query for integration with any PACS or RIS

## Automatic Stitching

GXR-SD system provides outstanding automatic stitching function with Source tilting method

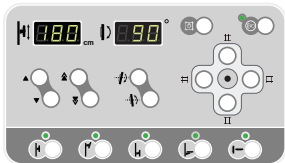


Full spine images by Automatic Stiting



## Ceiling System with Premium Function

### Control Panel of Automatic Tilting Wall Stand



- Auto Positioning (User Programmable)
- Control of Synchronization with Tube Stand
- Motorized Collimation & Lamp Control
- Motorized Tilting Movement
- Motorized Vertical Movement



**WBS-TA**  
Wall Bucky Stand  
Automatic Tilting



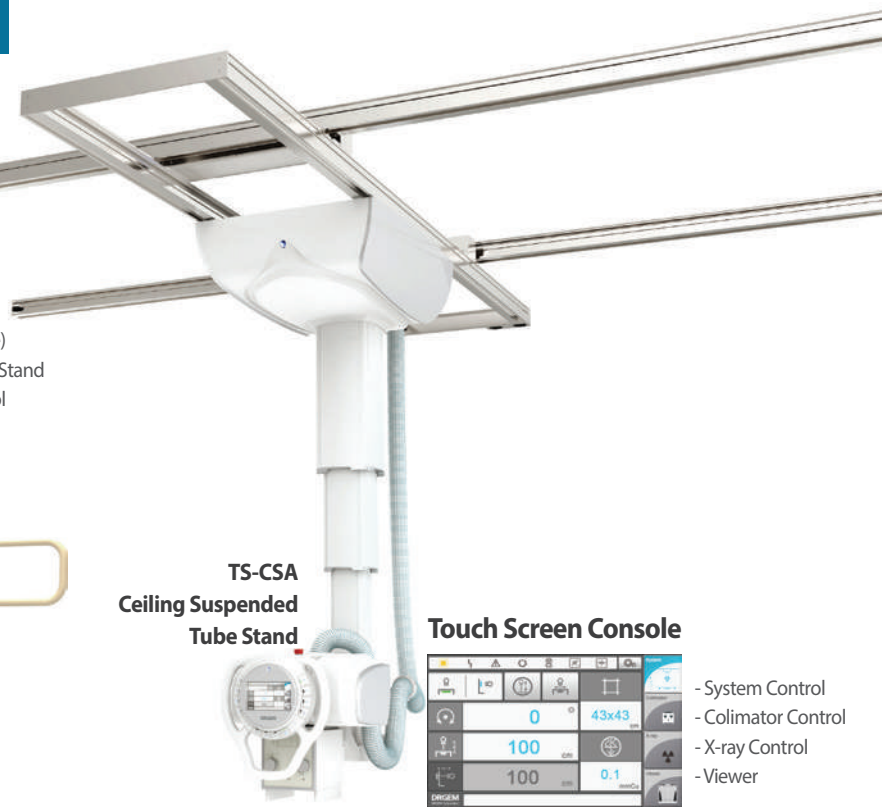
Remote Control



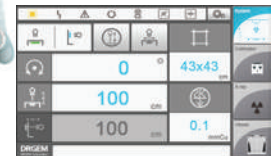
**WBS-TM**  
Wall Bucky Stand  
Manual Tilting

Foot Switch

**TS-CSA**  
Ceiling Suspended  
Tube Stand



### Touch Screen Console

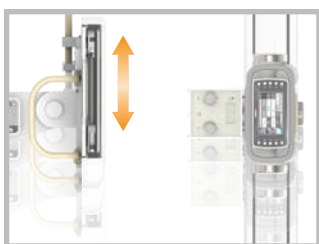


- System Control
- Collimator Control
- X-ray Control
- Viewer

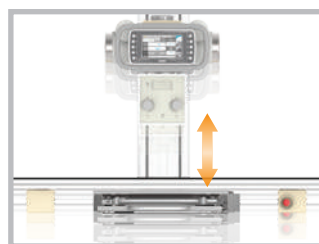


**PBT-6**  
Elevating  
Patient Table

## Optional Functions of Synchronization



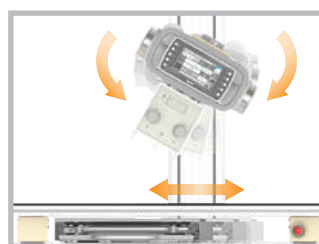
**Motorized Vertical Synchronization with wall stand**  
WBS/WBS-TM/WBS-TA and TS-FM6/TS-CSA



**Motorized Vertical Synchronization with table**  
PBT-6 and TS-FM6/TS-CSA



**Motorized Table Bucky Tracking I**  
PBT-4/6 and TS-FM6/TS-CSA



**Motorized Table Bucky Tracking II**  
PBT-6 and TS-FM6/TS-CSA



Mobile Van

## System

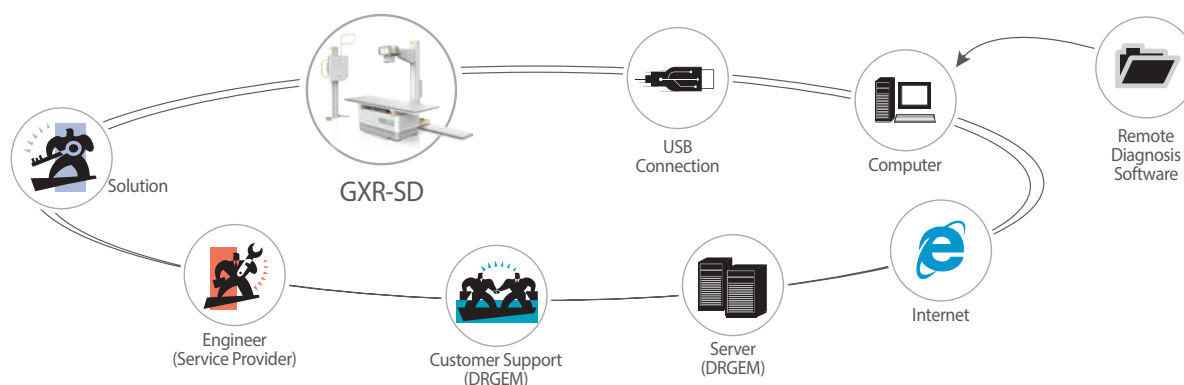
Model Name	GXR-32SD	GXR-40SD	GXR-52SD	GXR-68SD	GXR-82SD	GXR-C32SD	GXR-C40SD	GXR-C52SD	GXR-U32SD	GXR-U40SD
Output Rating	32kW	40kW	52kW	68kW	82kW	32kW	40kW	52kW	32kW	40kW
Generator Model Name	GXR-32	GXR-40	GXR-52	GXR-68	GXR-82	GXR-C32	GXR-C40	GXR-C52	GXR-U32	GXR-U40
Input Power	230VAC±10%, 1Ø or 400/480VAC±10%, 3Ø		400/480VAC±10%, 3Ø			99 ~ 132VAC or 198 ~ 253VAC, 1Ø 3kVA			Free Voltage Input, (100—240VAC, 1Ø) 1kVA	
Line Frequency	50/60Hz									
Tube Voltage	40 to 125kV, 1kV Step (option: 150kV)		40 to 150kV, 1kV Step			40 to 125kV, 1kV Step (option: 150kV)				
Tube Current	10 to 400mA	10 to 500mA	10 to 640mA	10 to 800mA	10 to 1,000mA	10 to 400mA	10 to 500mA	10 to 640mA	10 to 400mA	10 to 500mA
Time Range	1mS to 10S									
mAs Range	0.1 to 500mAs									
Rotor Supply	Low Speed (option: DC Brake)		Low Speed (option: DC Brake, Dual Speed)	Dual Speed (High and Low)		Low Speed (option: DC Brake, Dual Speed)				
Reproducibility	Coefficient of Variation : kV < 0.005, Time < 0.005, mAs < 0.01									
Accuracy	kV < ±(1%+1kV), mA < ±(3%+1mA), Time < ±(1%+0.5ms), mAs < ±(3%+0.1mAs)									
Linearity	Coefficient of Linearity < 0.01 : CL = (X1-X2)/(X1+X2), where X is mR/mAs									
Mechanical Part	Table	PDT-1, PBT-1, PBT-4, PBT-6								
	WBS	WBS, WBS-TM, WBS-TA								
	Tube Stand	TS-FC2, TS-FC4, TS-FC6, TS-FM6, TS-CSA, TS-CSA-M, TS-CSA-A								
	Tube	Focal Size: 1.0/2.0mm, 0.6/1.5mm, 0.6/1.2mm, Anode Heat Unit: 140, 150, 200, 300, 400, 600kHU								
Flat Panel Detector	Scintillator: DRZ or CsI Size: 17x17 or 17x14inch For 1D System: Wireless type For 2D System: 2 fixed detector, 1 fixed detector at WBS, 1 wireless detector at table									

## Options

- AEC
- DAP(Dose Area Product) Meter
- Vertical tube synchronization
- Table Bucky auto tracking
- Lateral cassette holder
- WBS external cassette holder
- Line Laser
- Handgrips (Tabletop, WBS - Chest, Overhead)
- Electromagnetic switch for Tube Stand Rotation (FC or FM)

## Remote Diagnosis via Internet

Enable to find the cause of failure or error easily and quickly and minimize down time.



# DRGEM

DRGEM Corporation

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Specifications and features are subject to change without notice.

All changes will be in compliance with regulations governing manufacture of medical equipment.

## Address

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