



GXR-S SERIES

High Performance and Reliability

GXR DIAGNOSTIC X-RAY SYSTEM

High Performance and Reliability

GXR Diagnostic X-ray System for Digital Era

The newly designed GXR diagnostic X-ray system provides an analogue radiographic room that perfectly fits your workflow and budget, which can be easily upgraded to DR system with the help of DR interface and PC interface in the generator as well as Bucky suitable to Flat Panel Detector.

DRGEM's GXR X-ray system is equipped with a high frequency X-ray generator which consistently produces high quality images based on high quality X-ray output with a very small kV ripple and accurate mA and timer control.

GXR X-ray system is designed for operator and patient comfort with the moving components specially designed to reduce electromechanical lock noise.

Experience the quality, durable and user-friendly operation for all applications with the GXR X-ray system!



Floor-Ceiling Mounted Tube Stand



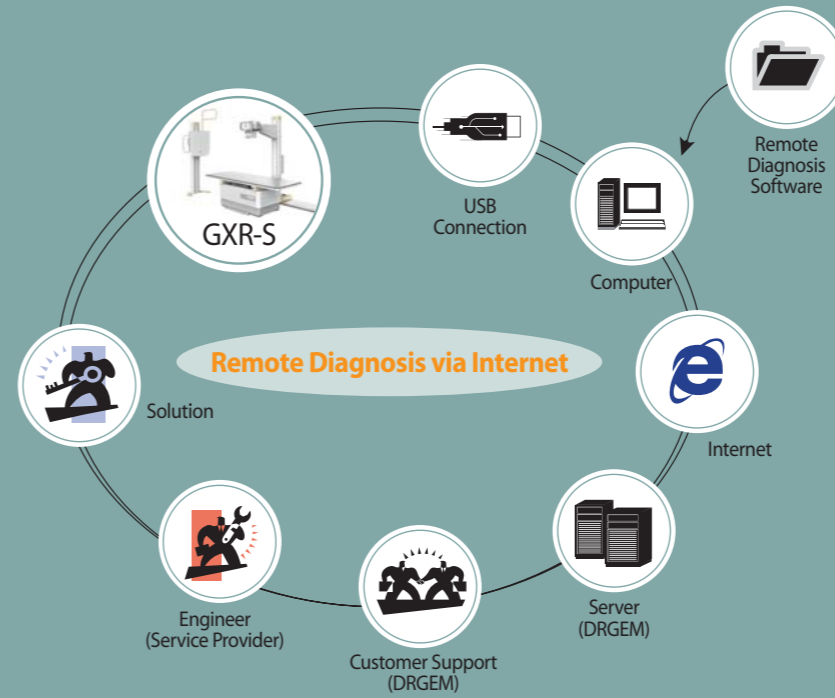
Four-way Tabletop Patient Table



Elevating Patient Table



Vertical Wall Bucky Stand



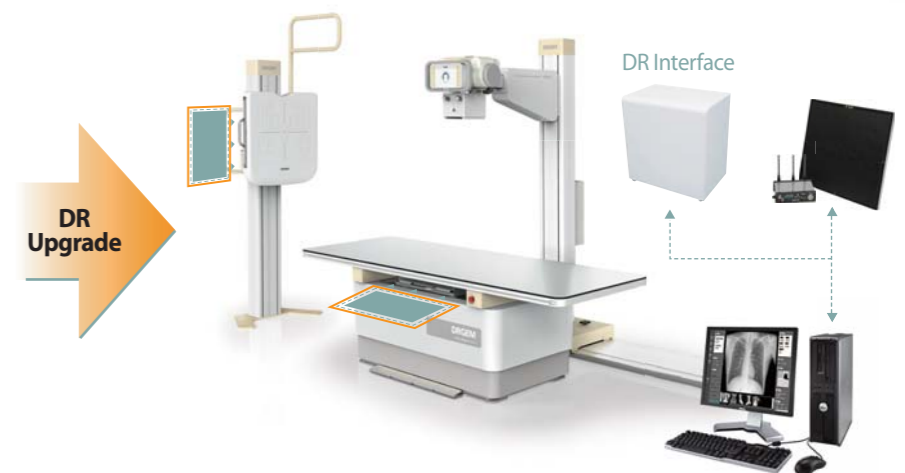
Floor Mounted Tube Stand

DR Upgrade Option

GXR System (Film)



DR System



DR Upgrade

DR Interface

DR Interface

SYSTEM

System

System Model	GXR-32S	GXR-40S	GXR-52S	GXR-68S	GXR-82S
	GXR-C32S	GXR-C40S			
	GXR-U32S	GXR-U40S			
Generator Model	GXR-32 GXR-C32 GXR-U32	GXR-40 GXR-C40 GXR-U40	GXR-52	GXR-68	GXR-82
Line Nominal, Phase	1 Phase 230VAC ± 10%, 3 Phase 400/480VAC ± 10% (Option) 1Phase 110/230VAC ± 10%, 3KVA 1 Phase 100-240VAC, 1KVA		3 Phase 400/480VAC ± 10%		
Line Frequency	50*/60Hz, *: Outside North America				
kV Range	40 ~ 125kV, 1kV step		40 ~ 150kV, 1kV step		
Output Rating	32kW	40kW	52kW	68kW	82kW
mA Range	10 to 400mA	10 to 500mA	10 to 640mA	10 to 800mA	10 to 1,000mA
Timer Range	0.001 to 10 sec, 38 steps				
mAs Range	0.1 to 500mAs (Optional higher mAs) GXR-C System requires mAs sliding down at 500mAs				
Max. Power Output	400mA@50kV	500mA@80kV	640mA@81kV	800mA@85kV	1,000mA@82kV
	320mA@100kV	400mA@100kV	500mA@104kV	640mA@106kV	800mA@102kV
	250mA@125kV	320mA@125kV	400mA@130kV	500mA@136kV	640mA@128kV
			320mA@150kV	400mA@150kV	500mA@150kV
Rotor Supply	Low Speed (Dual Speed Option for 3 Phase)		Dual Speed (Option for GXR-52)		
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				
Anatomical Programs	User programmable max. 1,280 programs with APR utility software				
Technique Selection	4 point display(kV, mA, Time, mAs)				
Leakage Radiation	Less than 2mR/hr				
Dimension / Weight	Control Console		336(W) x 47(H) x 232(D) mm / 1.7kg(3.8lbs)		
	Main Cabinet		650(W) x 655(H) 455(D) mm / 100kg(220lbs)		

X-ray Tube Assembly

System Model	GXR-32S, GXR-40S, GXR-C32S, GXR-C40S, GXR-U32S, GXR-U40S		GXR-52S	GXR-68S	GXR-82S	
	E7239X / Toshiba, LUC-8M / Lucem	E7242X / Toshiba, LUC-11M / Lucem			E7884X / Toshiba, LUC-12M / Lucem	E7252X / Toshiba, LUC-14U / Lucem
Tube Model / Maker	E7239X / Toshiba, LUC-8M / Lucem	E7242X / Toshiba, LUC-11M / Lucem	E7884X / Toshiba, LUC-12M / Lucem	E7252X / Toshiba, LUC-14U / Lucem	E7254X / Toshiba	E7255X / Toshiba
Focal Spot Size	1.0/2.0mm	0.6/1.5mm	0.6/1.2mm	0.6/1.2mm	0.6/1.2mm	0.6/1.2mm
Rating(0.1s)	22.5/47kW	18/50kW	22/54kW	27/75kW	40/102kW	40/102kW
Max. Anode HU	140kHU(100kJ)	200kHU(142kJ)	300kHU(210kJ)	300kHU(210kJ)	400kHU(285kJ)	300kHU(210kJ)
Max. kV	125kV	125kV	150kV	150kV	150kV	150kV
Inherent Filtration	0.9mmAl/75kV, IEC60522/1999				0.8mmAl/75kV, IEC60522/1999	
Additional Filtration	1.0mmAl					
Half Value Layer	More than 2.9mmAl eq. at 80kVp					
Leakage Radiation	Less than 100mR/hr					

※ Other tubes can be provided.

Ceiling Suspended Tube Stand



Collimator

Model	MCR
Control	Manual with 30sec. lamp timer
Max. Field Size	43x43cm(17x17inch) at 100cm SID
Max. kVp shield	150kV
Leakage Radiation	< 100mR/hr
Inherent Filtration	1.2mmAl eq.
Lamp Luminosity	> 160LUX at 100cm SID
Electrical Rating	24VAC, 6.3A, 50/60Hz
Dimension / Weight	185(W) x 213(D) x 180(H) mm 6.3kg(13.9lbs)

Wall Bucky Stand

Model	WBS
Cassette stroke	Vertical 1,390mm (420~1,810mm from Floor to Bucky Center)
Lock	EM Lock, Switch on/off
Balance	Counter Weight
Electrical Rating	24VDC, 1A
Dimension / Weight	Max. 1,920(H) x 740(W) x 410(D) mm 120kg(264lbs)

Options

- Tomography
- Table Bucky auto tracking
- line Laser
- Lateral cassette holder
- WBS external cassette holder
- Handgrips (Tabletop, WBS - Chest, Overhead)
- Tube stand column rotation by electrical release



Tube Stand - Floor-Ceiling mounted / Floor mounted

Model	TS-FC6 / TS-FM6	
Tube Rotation Angle	±135°	
Tube stroke	Longitudinal	Max. 2,500mm / Max. 2,200mm
	Transverse	220mm
	Vertical	1,330mm(430~1,760mm / 440~1,770mm from Floor to Focus)
Lock	EM Lock, Switch on/off	
Balance	Counter Weight	
Column Rotation	90°step, Foot Lock	
Electrical Rating	24VDC, 3A	
Dimension / Weight	2,060(H) x 1,140(D) mm / 180kg(397lbs) / 240kg(529lbs)	

※ Specifications can be modified by customer's request.

Tube Stand - Ceiling suspended

Model	TS-CSA	
Tube Rotation Angle	Horizontal axis	±180° (LCD display)
	Vertical axis	-150~+180° (mechanical detents at every 90°)
Tube stroke	Longitudinal	3,300mm
	Lateral	2,150mm
	Vertical	1,500mm
Lock (Brake)	EM Lock, Switch on/off	
Balance	Spring	
Operation	Motorized or Manual Optional vertical synchronization with WBS and PBT-6 for motorized stand	
SID Indication	LCD display	
Electrical Rating	100-240VAC, 500VA, 50/60Hz	

※ Specifications can be modified by customer's request.

Patient Table - 4 - way Float Tabletop

Model	PBT-4		
Movement	Tabletop	Longitudinal	1,000(±500)mm
		Transverse	250(±125)mm
	Bucky	Longitudinal	350mm
Tabletop	Inherent Filtration		1.2mmAl at 100kV
	Max. Patient Weight		300kg (660lbs)
	Size		2,200(W) x 750(D) x 45(H) mm
Bucky Type	Oscillating type		
Grid	Focal distance 34~44inch, 85~103lpi, ratio 8:1~12:1		
Lock(Brake)	EM Lock, beam sensor on/off		
Center indication	Buzzer sound and LED		
Electrical Rating	100-240VAC, 200VA, 50/60Hz		
Dimension / Weight	2,200(W) x 750(D) x 660 or 720(H) mm / 150kg(330lbs) or 155kg(342lbs)		

※ Specifications can be modified by customer's request.

Patient Table - Elevating

Model	PBT-6		
Movement	Tabletop	Longitudinal	1,000(±500)mm
		Transverse(Lateral)	250(±125)mm
	Vertical	Travel	285(565~850)mm
		Speed	17mm/sec
		Operating	Motorized movement by Foot Switch DC-motor (Linear Actuator)
Bucky	Longitudinal	350mm	
	Inherent Filtration		1.2mmAl at 100kV
	Max. Patient Weight		300kg(660lbs)
Tabletop	Size		2,200(W) x 810(D) x 45(H) mm
	Bucky Type		Oscillating type
	Grid		Focal distance 34~44inch, 85~103lpi, ratio 8:1~12:1
Lock(Brake)	EM Lock, Foot Switch on/off		
Center indication	Transverse center, height center		
Side Cover	2-story telescopic cover		
Electrical Rating	100-240VAC, 400VA, 50/60Hz		
Dimension / Weight	Max. 2,200(W) x 810(D) x 850(H) mm / 260kg(573lbs)		

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Head Office/R&D/Factory 1 7F, E-B/D Gwangmyeong Techno-Park, 60 Haan-ro,
Gwangmyeong-si, Gyeonggi-do, Korea [423-795]

Factory 2 7F, Dongil Techno-town 1st, 110 Digital-ro, 26-gil, Guro-gu, Seoul, Korea [152-050]

Tel : +82-2-869-8566 / Fax : +82-2-869-8567 / www.drgem.co.kr / drgem@drgem.co.kr