HF-525Plus
General Purpose Radiographic System

HF-525Plus
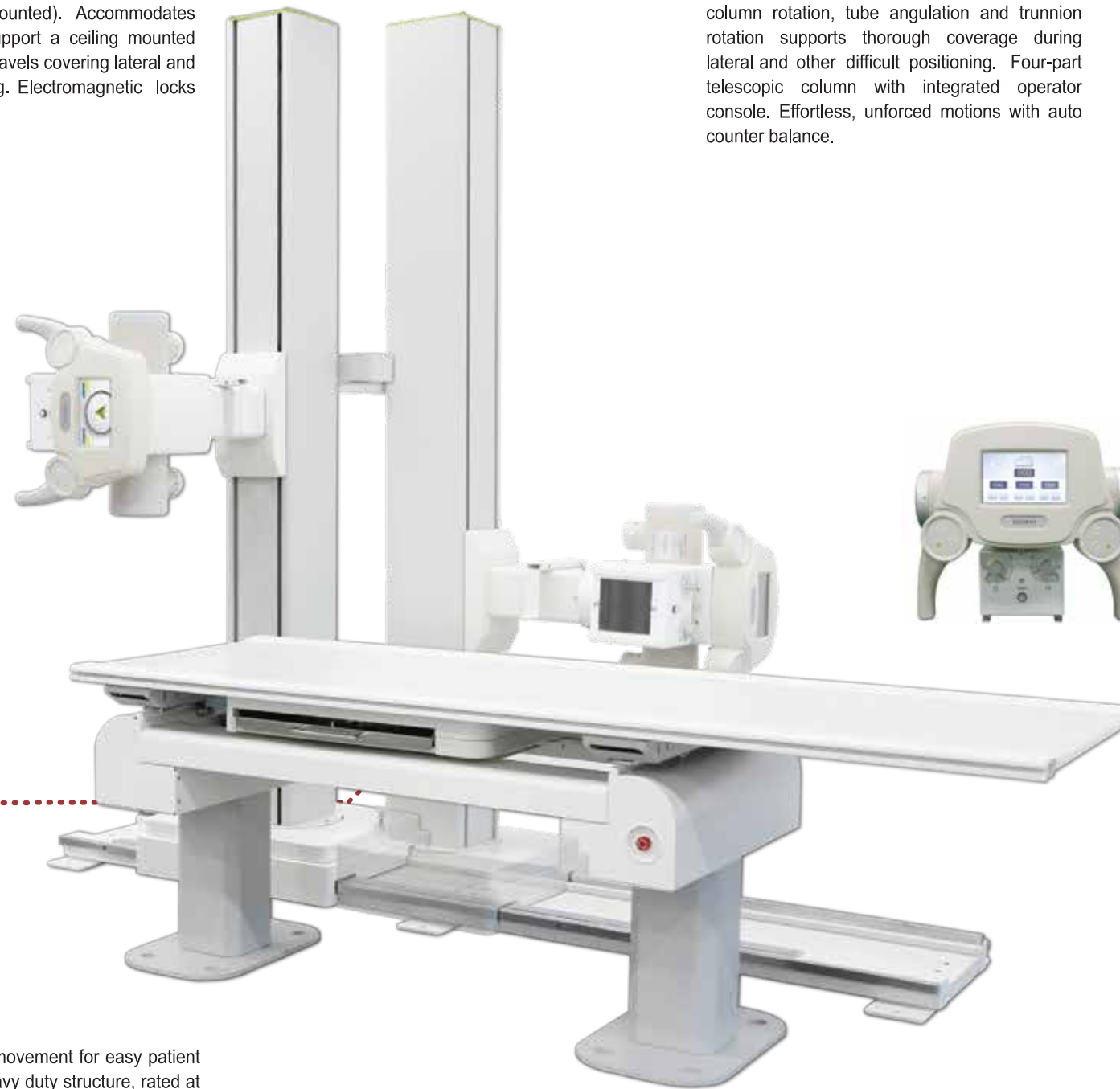### General Purpose Radiographic System

Wall Bucky Stand

Wide vertical-travel range with minimal focal spot to floor distance for comfortable standing position. Electromagnetic locks secure at any vertical position. Effortless, unforced motions by counterbalanced. Cassette flexibility (5" x 7" to 17" x 17") with durable bucky tray.

Tube Stand

Saving the cost and installation time designed by freestanding (Floor mounted). Accommodates facilities where can't support a ceiling mounted system. Wide range of travels covering lateral and other difficult positioning. Electromagnetic locks secure at any position.

Ceiling Suspended Tube Stand

Wide range of longitudinal and transverse travel, column rotation, tube angulation and trunnion rotation supports thorough coverage during lateral and other difficult positioning. Four-part telescopic column with integrated operator console. Effortless, unforced motions with auto counter balance.

LCD Screen Handle Bar

Simple and functional design, both sides of the soft-touch handgrip with fingertip controls. Fast and easy access to multi-function lock release switches for adjustment of longitudinal, vertical and tube rotation displayed by LCD screen.

4 Way Floating Table

Smooth and parallel four-way table movement for easy patient positioning. The robust table with heavy duty structure, rated at 250 kg patient load. Electromagnetic locks by a foot switch for longitudinal and transverse travel. Cassette flexibility (5" x 7" to 17" x 17") with durable bucky tray.

6 Way Table

Elevating table having vertical motorized movement to help elderly, handicapped or pediatric patients more comfortably.
The robust table with heavy duty structure and durable actuators, offers up to 250 kg patient load.

ECORAY

ECORAY

High frequency generator for high quality imaging…

HF-525plus Technical Specifications

Category / Range		32kW	40kW	50kW		65kW	80kW
Generator	Type	High Frequency Inverter type					
	Max mA/kV	400mA/125kV	500mA/125kV	630mA/150kV	800mA/150kV	800mA/150kV	1,000mA/150kV
	Max rating	400mA @80kV	500mA @80kV	630mA @75kV	800mA @62kV	800mA @81kV	1,000mA @80kV
	mAs range	0.1 ~ 400mAs	0.1 ~ 500mAs	0.1 ~ 630mAs	0.1 ~ 800mAs	0.1 ~ 800mAs	0.1 ~ 1,000mAs
	Exposure Time	0.001 ~ 6 sec (81 steps)					
	APR	288 APR				1290 APR	
	AEC	3-field ionization chamber(s) with AEC board (optional)					
	OP console	FnD type (standard) / LCD or Touch Screen console (optional)					
	Line voltage & phase	220VAC 50/60Hz single phase		380-400VAC 50/60Hz three phase			
Tube	Anode heat storage	140KHU (standard) / 300KHU (optional)		300KHU (standard) / 400KHU (optional)			
	Focal spots (dual)	1.0/2.0mm (0.6/1.2mm optional)		0.6/1.2mm			
	Max mA/kV	500mA/125kV		700mA/150kV	1,000mA/150kV (with high speed rotor function)		
	Target angle	16° (12°)		12°			
	Collimator	Manual type with timer					
Tube Stand	Longitudinal travel	200cm					
	Transverse travel	26cm (Optional)					
	Vertical travel	From 40 to 190cm (from floor level)					
Bucky Table	Type	4 way floating top table					
	Longitudinal travel	90cm					
	Transverse travel	30cm					
	Max loading	250kg					
	Cassette tray	Max. 17 x 17 inch					
Wall bucky stand	Type	Floor mounted					
	Grid	Oscillating grid (10:1 standard)					
	Vertical travel	From 40 to 190cm (from floor)					
Options	AEC	3-field ionization chamber with AEC control board (16 steps density adjustment)					
	High speed rotor	–			High speed controller		
	PSU	Power supply unit with battery bank / Capacitor bank		–			
	Ceiling suspension	Ceiling suspended tube stand					
	Elevation table	Up/down motorized elevation with 4 way floating top table					
	DAP	Dose area product chamber					
	Tube head display	kV,mA, mAs/time & tube head angle digital display with touch screen control					

※ Specifications are subject to change.
※ The dimension & weight information will be found in the Product Data document that includes all other detailed specifications.
※ The combinations of system configuration like tube, HFG and other optional items can be determined by customers.

HIGH FREQUENCY GENERATOR

32kW / 40kW / 50kW (630mA)

32kW / 40kW with Capacitor Bank

50kW (800mA) / 65kW / 80kW

FnD Console LCD Console Touch screen Console 50kW (800mA)/65kW/80kW LCD Console

---

"Going DIGITAL"
ecoCR

21sec Loading time

80μm Resolution

Acquisition software - "ECOVIEW"
- Selectable UI styles between Card & Classic designs
- Smart Dash Board & Order Mapping
- Stitching interface available
- Shows preview image in 10 stages during loading
- Easy & quick study choice through graphic APR
- Wide variety of tools for edit
- DICOM print connectivity

Barcode system
- Automatically recognizes cassette size
  (14" x 17", 10" x 12", 18 x 24cm) by barcode reader

Rigid type IP
- No damage or scratch on image plates during scanning
- Scanning & erasing without roller
- No cut-off image during winter and cold periods

Durability
- Extremely simple structure design
- Strong aluminum base plate
- Flip covers to prevent dust inside the scanner

Specifications

Cassette	CR Cassette 14 x 17(inch)	Network	100 Mbit
	CR Cassette 10 x 12(inch)	PC Connection	USB 2.0
	CR Cassette 18 x 24(cm)	Computer min.	OS : Win 7 or 10
Slots	Single Cassette feed	requirements	CPU : Intel i5
Dimensions (W x D x H)	436 x 636 x 196mm		RAM : 4GB
Weight	21.5kg (47.4lbs)		Graphic Card : Intel HD 2500
Grayscale Resolution	Acquisition : 16 bits per pixel		HDD : 500GB
	Display : 12 bits per pixel		Monitor : FHD 1920 x 1080
Line voltage	90~264VAC 50/60Hz	Operating conditions	Temperature : 10 ~ 30℃
	Single Phase		Humidity : 15 ~ 85% RH

Image Processing Time & Throughput

Cassette	Resolution	Image access (sec.)	Erase (sec.)	Total (sec.)	IPs/hour
14 x 17	80 μm	37	27	66	62
	160 μm	21	27	50	72
10 x 12	80 μm	29	20	51	70
	160 μm	17	20	29	124
18 x 24 cm	50 μm	40.5	7.1	48	75

636 436

Cassettes

Dust free & Easy cleaning
- Easy to clean up dust on IPs
- Prevent dust from outside

Featherlight
- 14" x 17" : 2.2kg   10" x 12" : 1.1kg   18 x 24cm : 0.8kg

User friendly design
- Barcode label
- Various colors
  14" x 17" : Green   10" x 12" : Blue   18 x 24cm : Pink

www.ecoray.kr / sales@ecoray.kr

ECORAY