

ECORAY

ECORAY Co., LTD.

#714~716 ForHu B/D, 58, Wangsimni-ro, Seongdong-gu, Seoul, Korea
Factory : 60-10, Nanosandan 5-ro, Nam-myeon, Jangseong-gun, Jeollanam-do, Korea
Tel : +82 70 7510 3400 Fax : +82 70 8630 3420 Email : info@ecoray.kr / info@ecoviewmedical.com

www.ecoray.kr
www.ecoviewmedical.com

RAD ROOM SOLUTION

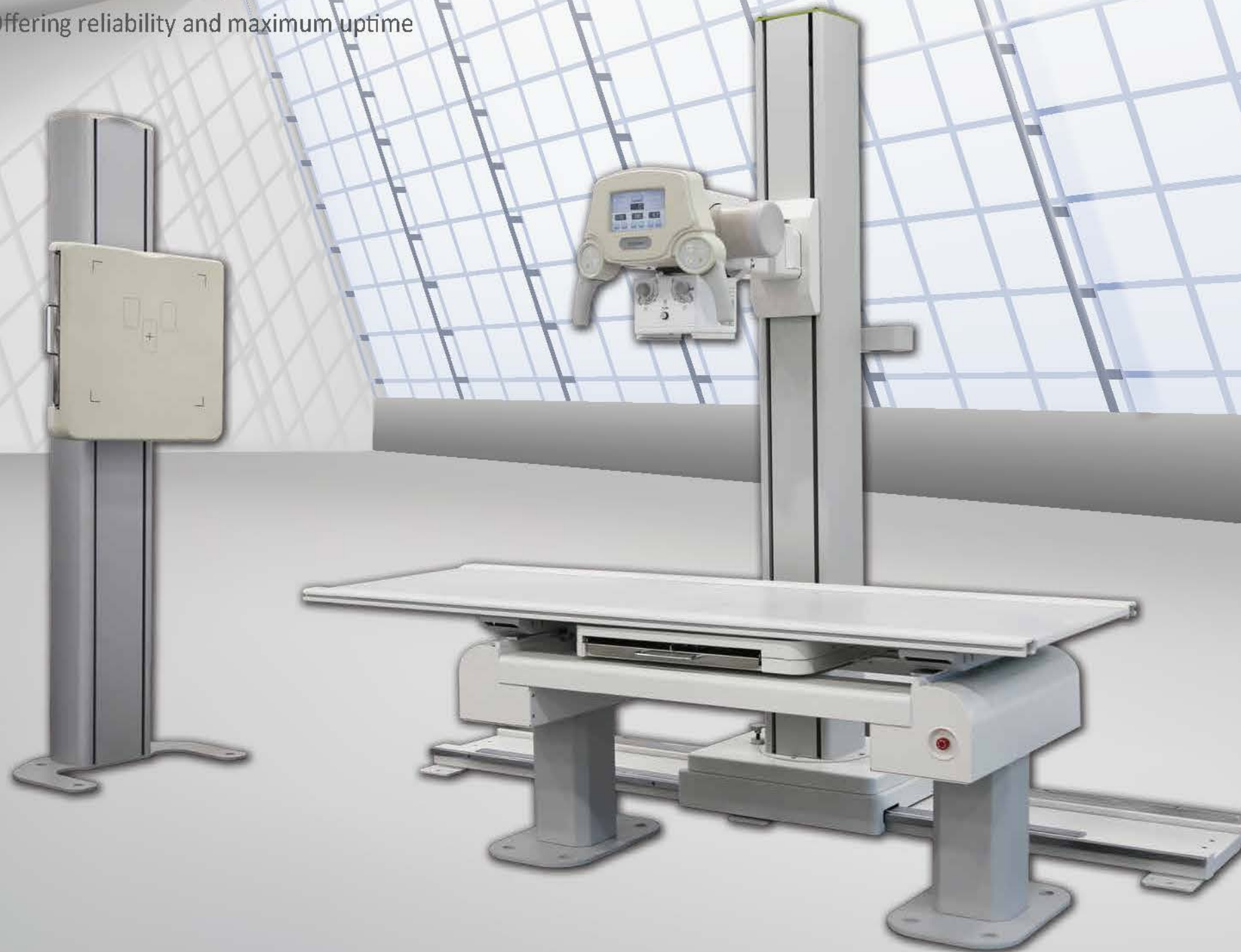
HF-525Plus Ecoview9Plus

ECORAY

Rad Room Solution

Affordable Floor-Mounted Radiography System

- Flexible configuration and options for every need
- Cost-effective and easy installation and use
- Offering reliability and maximum uptime



Advanced medical solutions

HF-525Plus

- Floor mounted tube stand with goniometer
- 4way floating top table (10:1 moving grid included)
- Wall bucky stand (10:1 moving grid included)
- 6m long HV cable
- FnD OP Console
- Generator, AEC, DAP, any other functions are made according to customer's request

Ecoview9 Plus

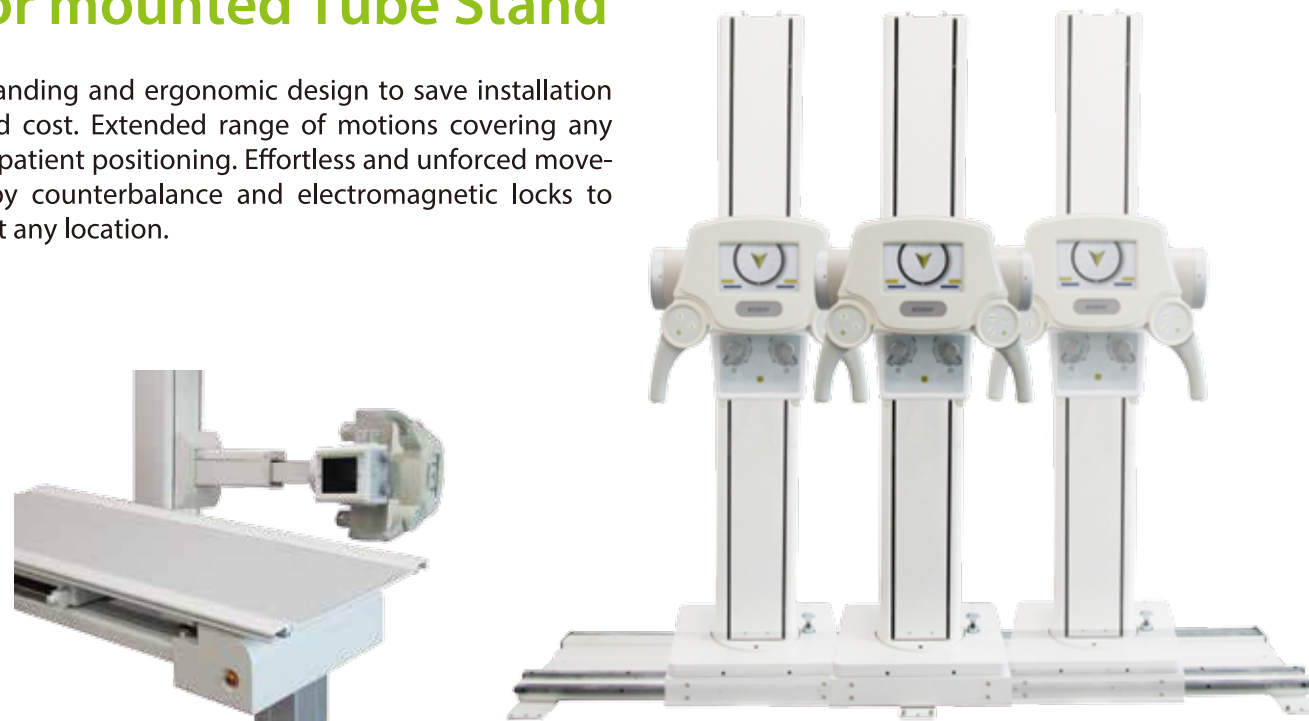
- Floor mounted tube stand with Transverse move
- 4way floating top table (10:1 moving grid included)
- Wall bucky stand (10:1 moving grid included)
- 8m long HV cable
- LCD OP Console
- Generator, AEC, DAP, any other functions are made according to customer's request

Other Choices

- Ceiling suspended tube stand
- 6way elevating table
- Tilting wall bucky stand
- Synchronized mechanics

Floor mounted Tube Stand

A freestanding and ergonomic design to save installation time and cost. Extended range of motions covering any difficult patient positioning. Effortless and unforced movements by counterbalance and electromagnetic locks to secure at any location.



4 Way Floating Table

Light four-way movements for easy patient positioning and efficient workflow. Robust and heavy-duty structure up to 250kg table weight capacity. Foot-controlled electromagnetic locks to flexibly adjust longitudinal and transverse travels. Various cassette size capabilities (5" x 7" to 17" x 17") with a moving bucky tray.



Handle Bar

Simple and functional configurations with a goniometer or LCD Touch screen for Tube angle, soft touch handgrips and fingertip controls on both sides. Easy to operate longitudinal, vertical and tube rotation.



Wall Bucky Stand

Advanced application of a back side button for a wide-spread vertical movement. Minimal focal spot to floor distance for a comfortable standing position especially considering patients with physical disabilities. Slim and cutting-edge appearance to accommodate the needs of diverse healthcare providers. Cassette flexibility up to 17" x 17".



Optional Items

LCD Touch Screen



- Synchronization with LCD Console to adjust kV, mA, mAs/sec
- LCD Console

Transverse Movement of Tube Stand



- Transverse travel : 260mm

Auto tracking system (optional)

Floor Mounted Tube Stand (Synchro)



- Auto tracking to wall stand (Up & Down)
- Auto tracking to table bucky (Left & Right)

Ceiling Suspended Tube Stand (Synchro)



- Auto tracking to wall stand (Up & Down)
- Auto tracking to table elevation (Up & Down)

Ceiling Suspended Tube Stand (Manual)



- Rail size : 3,500 x 2,500 / 4,000 x 3,000 mm
- Tube rotation : $\pm 180^\circ$
- Vertical travel : 1,500mm

6way Elevating Table



- Upgraded table from 4way floating table
- Elevation controlled by motor
- Vertical travel : 555 ~ 895mm

4way Floating Bucky Table (Synchro)



- Auto tracking to tube (Left & Right)

6way Elevating Table (Synchro)



- Elevation controlled by motor
- Auto tracking to tube (Up & Down)
- Auto tracking to tube (Left & Right)

Tilting Bucky Device



- Tilting function : $-20^\circ \sim +90^\circ$

Motorized Upright Stand (Synchro)



- Auto tracking to tube (Up & Down)

Tilting Bucky Device (Synchro)



- Tilting function : $-20^\circ \sim +90^\circ$

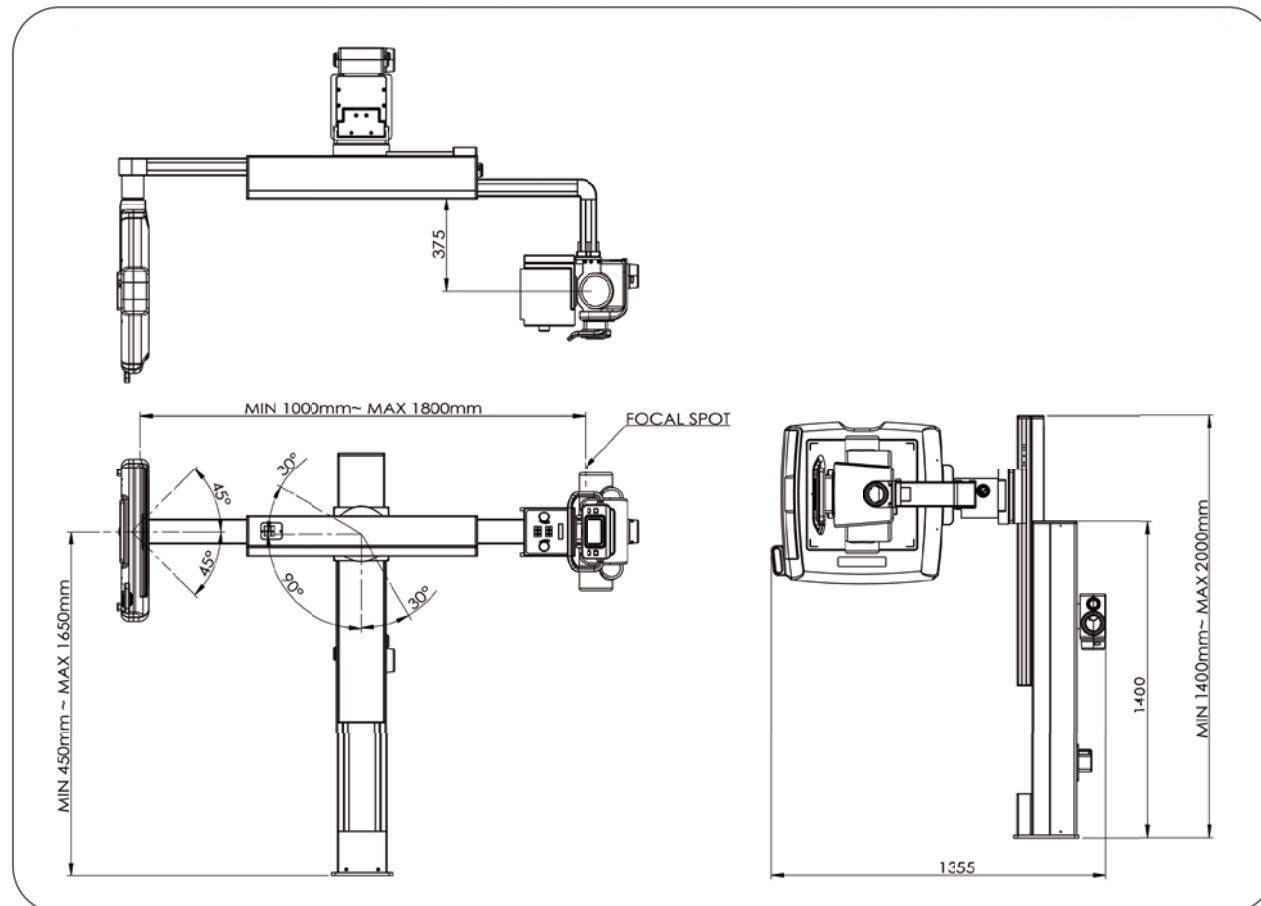
Straight Arm

- COLLAPSIBLE STAND for compact installation space.
- LOCK SENSOR operates automatically by hand grip
- SID & ANGLE display on LCD touch screen
- MOTORIZED up/down & SID control



Adjustable detector angle

Easy Lock-free mechanics

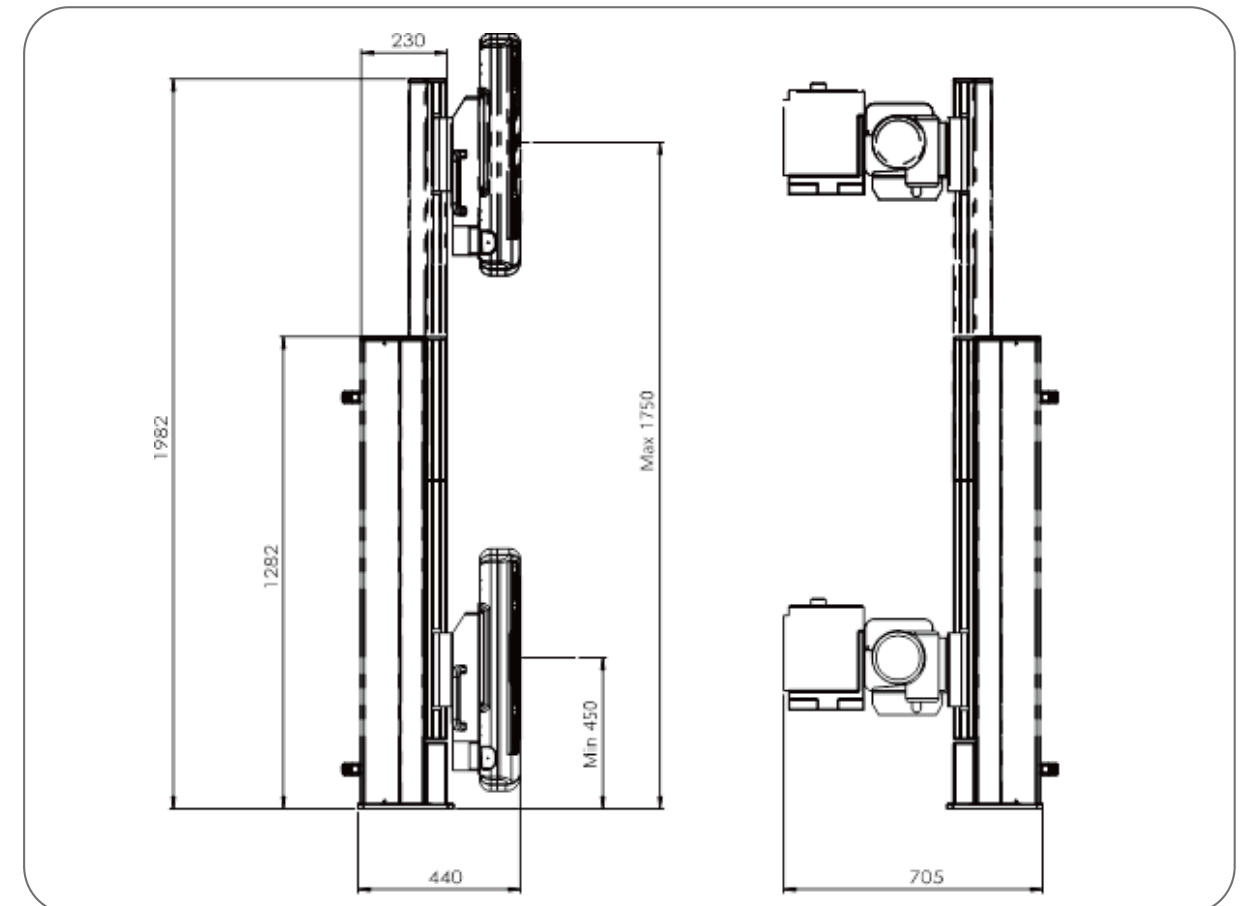


Chest Exam



Chest exam is mainly used for chiropractic and thoracic practices. With its compact design & easy installation, it can be an excellent choice for a mobile solution too.

UP & DOWN Synchronization



High Frequency Generators



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



32kW / 40kW
Super Capacitor Bank
(PSU Generator)



50kW (800mA) / 65kW / 80kW
(Max. 300kHz Frequency)

OP Console



FnD OP Console



LCD OP Console

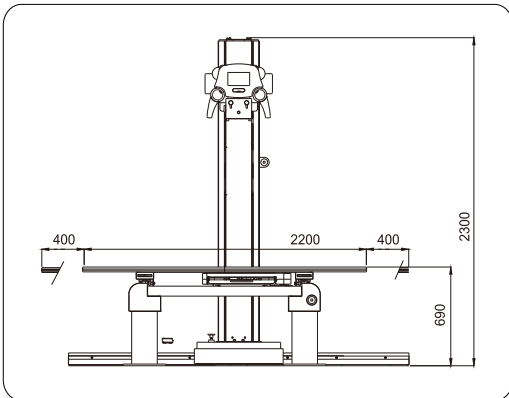


LCD Touch Screen
OP Console

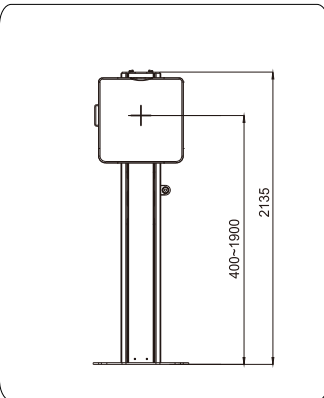


LCD OP Console
for Max. 300kHz Frequency HFG

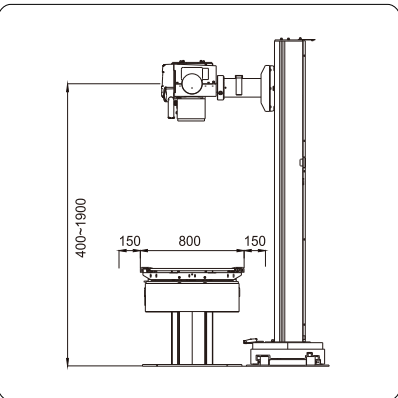
Front view Dimension



Wall Bucky Dimension



Side view Dimension



ECORAY HF Generators

ECORAY offers a large variety of generator solutions for your radiographic X-ray system.
ECORAY has 25 years of experience in manufacturing HF generators.
We provide steady and durable performance in your rad room.



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	0.001~6sec (81 steps)					
	APR	288 APR			1,290 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			380VAC 50/60Hz three phases		
Tube	Type	Rotating Anode Tube					
	Anode heat storage	140kHU (standard) / 300kHU (optional)		300kHU (standard) / 400kHU (optional)			
	Dual Focal spots	1.0/2.0mm (standard) / 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° (standard) / 12° (optional)		12°			
	Collimator	Manual type with LED lamp and 30 sec timer					
Tube Stand	Type	Floor mounted					
	Longitudinal travel	200cm					
	Transverse travel	26cm (optional)					
	Vertical travel	150cm (40cm~190cm from floor level)					
Bucky Table	Type	4way floating top table					
	Longitudinal travel	80cm					
	Transverse travel	30cm					
	Max. loading	250kg					
	Grid	10:1 Oscillating grid (103lines/inch)					
	Cassette tray	Max. 17 x 17 inch					
Wall bucky stand	Type	Floor mounted					
	Vertical travel	150cm (40cm~190cm from floor level)					
	Grid	10:1 Oscillating grid (103lines/inch)					
	Cassette tray	Max. 17 x 17 inch					
Options	AEC	3-field ionization chamber(s) with AEC board (16 steps density adjustment)					
	High speed rotor	-			High speed board		
	PSU (Power Supply Unit)	Super Capacitor bank		-			
	Ceiling suspension	Ceiling suspended tube stand					
	Elevating table	Up/down motorized elevation with 4way floating top table					
	DAP (Dose Area Product)	Dose Area Product chamber					
	Tube head display	kV, mA, mAs/time & tube head angle digital display with LCD touch screen control					

* Specifications are subject to change.
* For further details of product data, please contact ECORAY Sales department.

Digital Acquisition Software – “ECOVIEW”

ECOVIEW DR Console S/W

Consists

- 1. Image Processing Engine
- 2. Main Console viewer
(Worklist, Browser, Review)
- 3. DICOM
 - DICOM storage SCU/
Modality Worklist SCU/ Print SCU
 - DICOM Query, Retrieve
 - DICOM Modality Performed
Procedure service SCU
 - DICOM Storage Commitment SCU
- 4. Get parameter Tool

Features

Control of DICOM

- Available DICOM sending multi PACS server in real time
- Patient CD with image viewer and export various image formats (JPG, BMP, PNG)

Control of X-ray system

- Set x-ray exposure condition
- Set study position for bucky and tube

Control of detector

- Ready & Read raw data from detector
- Calibration offset value
- Monitoring interface to detector

Local information DB

- Study information store and management
- Control & modify & searching DB

Pre-Processing

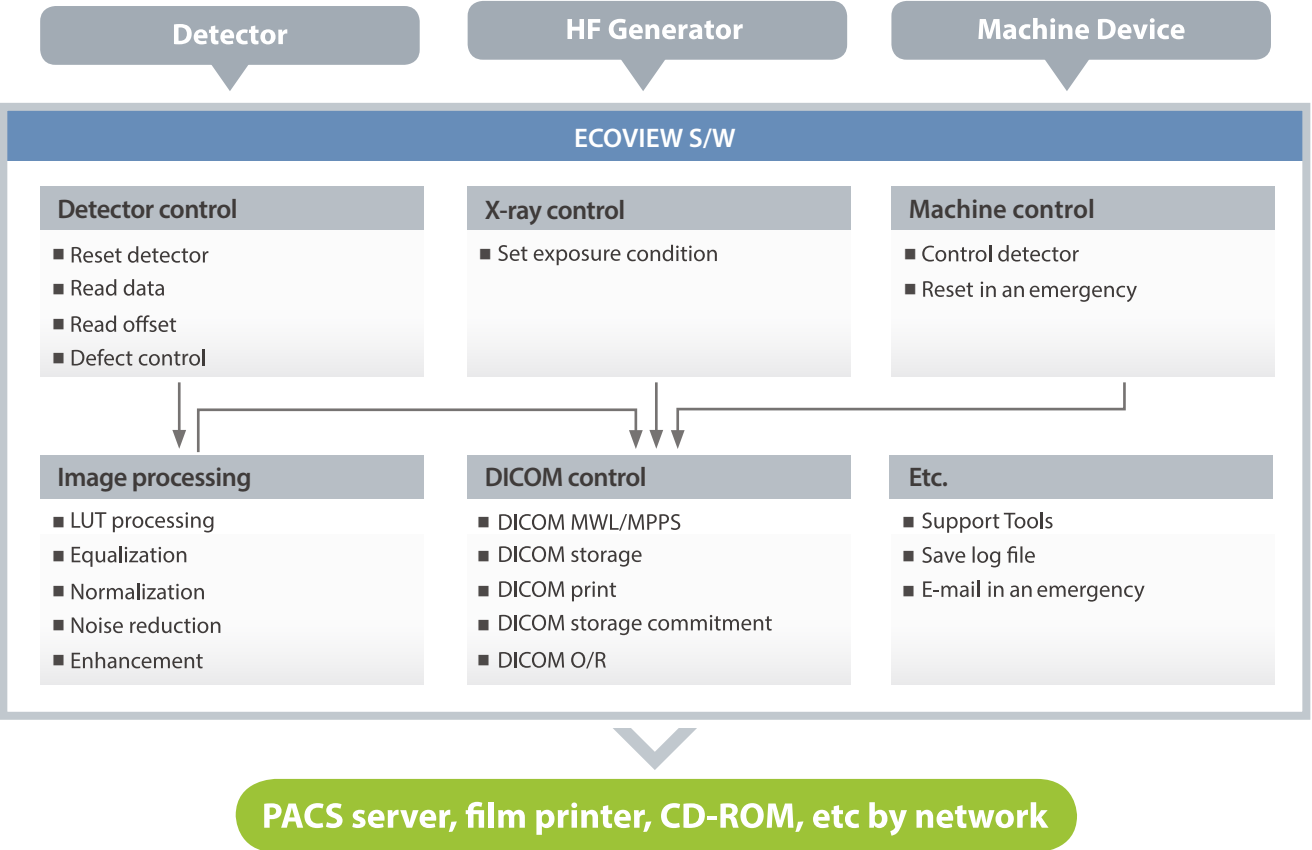
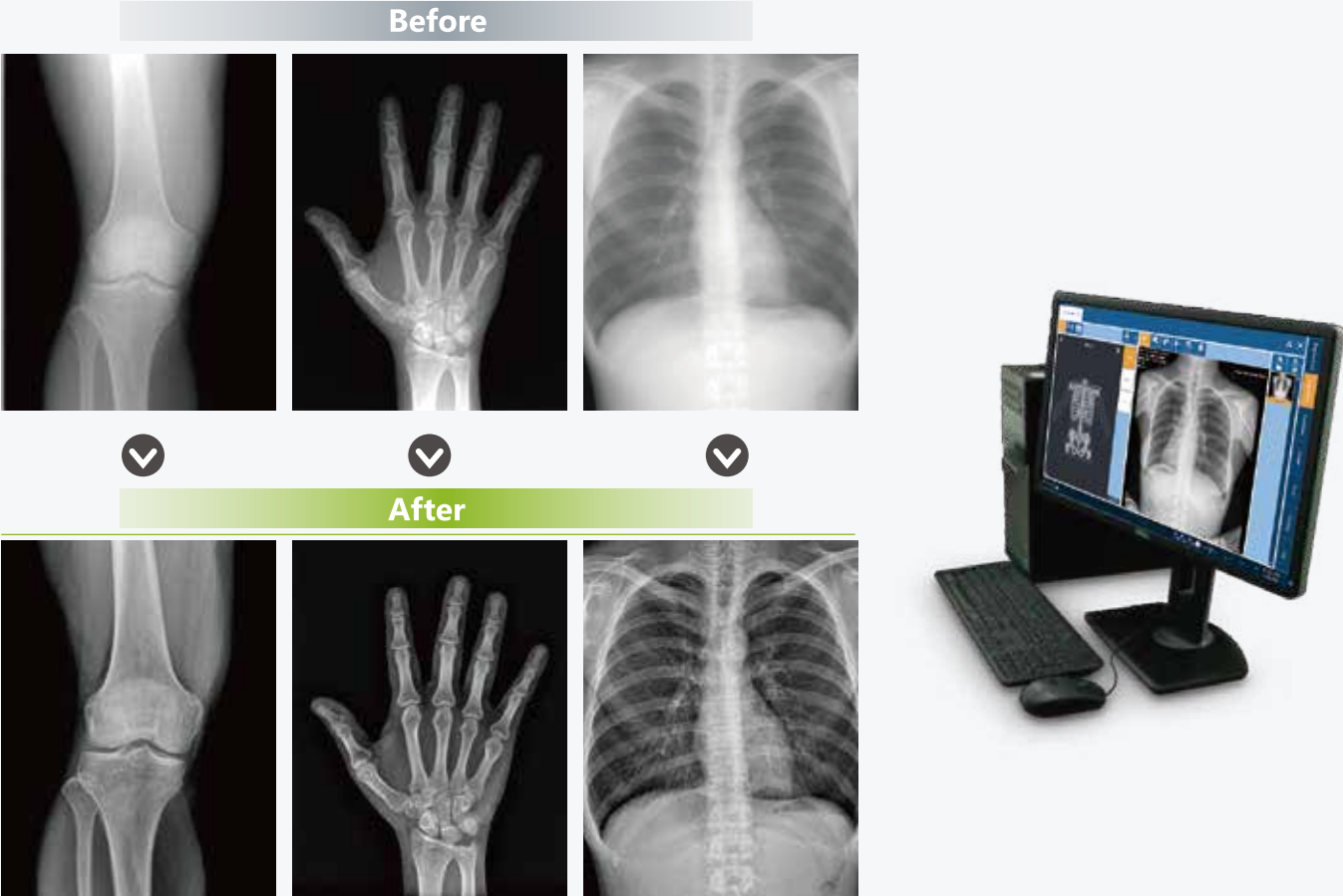
- Various contrast equalization
- Auto Windowing, Noise Reduction, Background filtering

Post-Processing

- Contrast & Edge enhancement
- Smoothing, Image Frequency filter

Others

- E-mail and store log in an emergency
- Various image handlings
(Rotation, Annotation, Masking, ROI)
- Merge or separate study or image
- Backup images to external HDD with image viewer



Flat Panel Detector

17"x17" size Wired Type

- AED function without connecting to Generator
- Quick image acquisition : 2 sec
- Scintillator : Gadox or Csi

14"x17" size Wireless Type

- AED function without connecting to Generator
- Quick image preview : 2 sec
- Fast wireless communication (WiFi) through IEEE 802.11n

Upgrade to true digital flat panel technology

Significantly reduced dead space

Large active area for the image with high image resolution

High compatibility with 3.0 DICOM standard