

ECORAY

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YOUR RAD ROOM SOLUTION

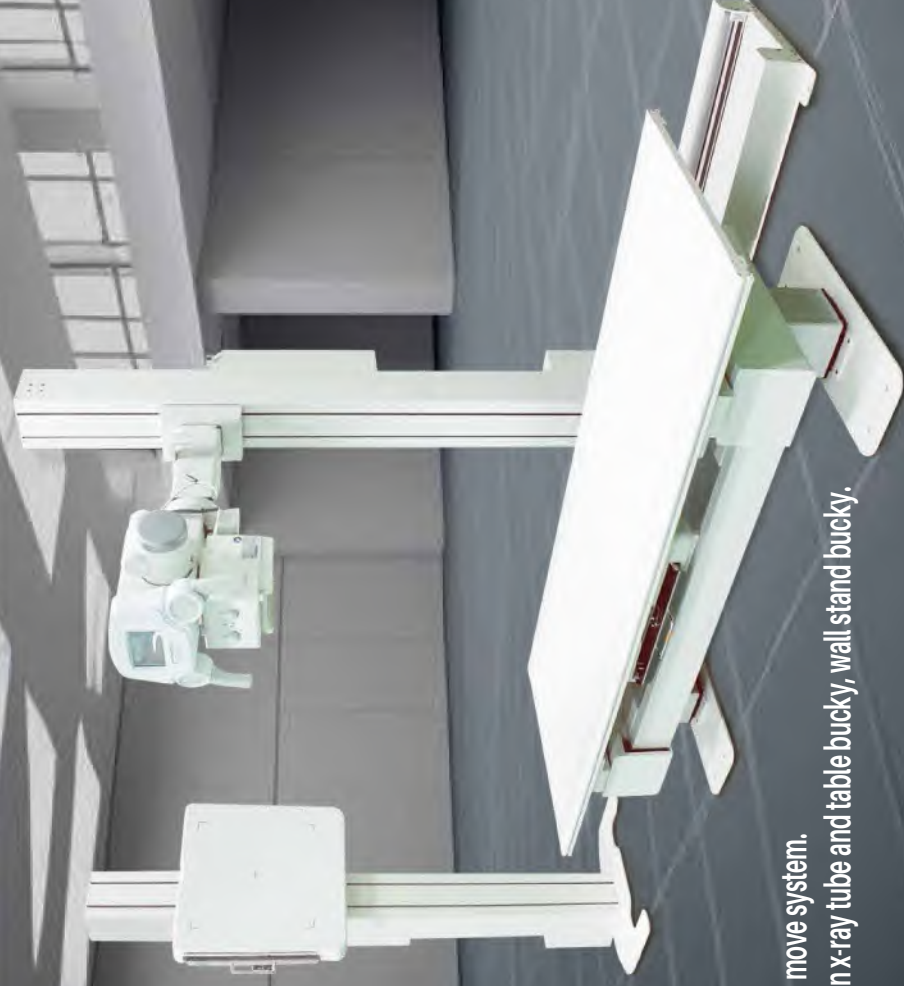
Conventional / Digital Radiographic System

ECORAY

HF-525 PLUS RADIOGRAPHIC X-RAY SYSTEM

The unified design with fine image performance...

A well-established radiographic X-ray system, its ergonomic and durable mechanism provides smooth, quick, and easy operation to ensure reliable examinations in your RAD room.



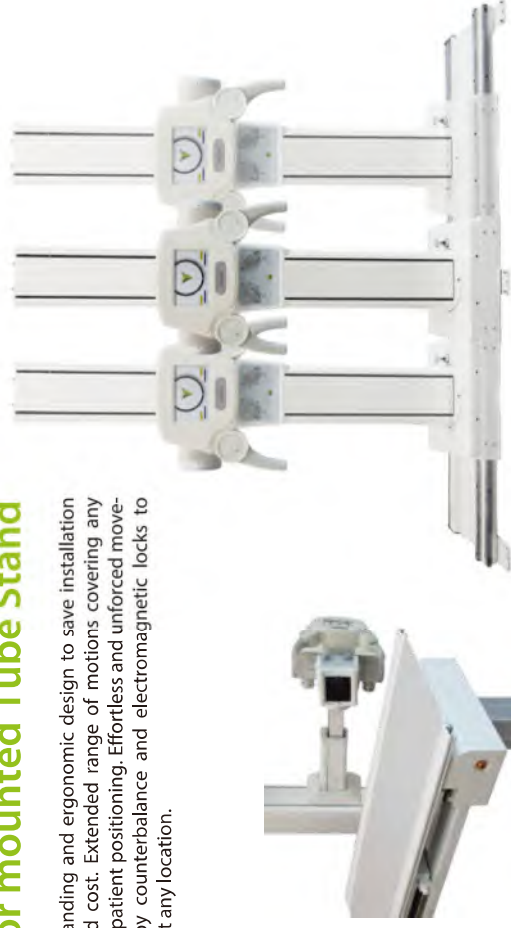
HF-525PLUS, Auto-Tracking move system.
Synchronized move between x-ray tube and table bucky, wall stand bucky.
Automatic collimation.

HF-525Plus - Your advanced medical solution

- * Floor mounted tube stand with goniometer (optional - LCD touch screen on Tube head)
- * Ceiling suspended tube stand (optional)
- * 4way floating top table (10:1 oscillating grid included)
- * 6way elevating table (optional)
- * LED type collimator with 4 leaf shutter (optional laser alignment, tape measure)
- * Automatic collimator - optional (auto shutter control from SID changes, auto filter change by KV selection)
- * Variable choices of OP console (standard FND type, optional LCD, touch)
- * High frequency inverter generators (different ratings)
- * Rotating anode tube (standard from Canon)
- * Optional AEC, DAP and other functions according to customer's request
- * Wall stand (tilting bucky-optional)
- * Synchronized mechanics (optional)

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

Floor Mounted Tube Stand (Synchro)



- Auto tracking to wall stand (Vertical - Up/Down movement)
- Auto tracking to 6way elevating table top (Vertical movement for SID)

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 : 500 ~ 800mm

4way Floating Bucky Table (Synchro)



- Auto tracking to Tube/bucky follow in horizontal way

6way Elevating Table (Synchro)



- Elevation controlled by motor
- Auto tracking to wall stand (Vertical - Up/Down movement)
- Auto tracking to 6way elevating table top (Vertical movement for SID)

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 : $-20^\circ \sim +90^\circ$
- Auto tracking to tube (Up/Down vertical way)

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

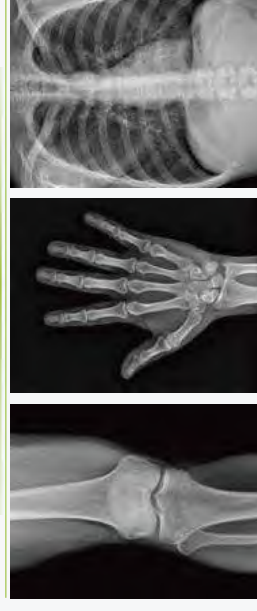
Features

- 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
- Optional functions**
 - SBSC (Software Based Scatter Correction)
 - Chest X-ray AI (AI diagnosis support for Chest Images)
 - Noise X AI
 - Bone X AI

Before



After



Flat Panel Detector

17*17" (4343cm) Wired Type

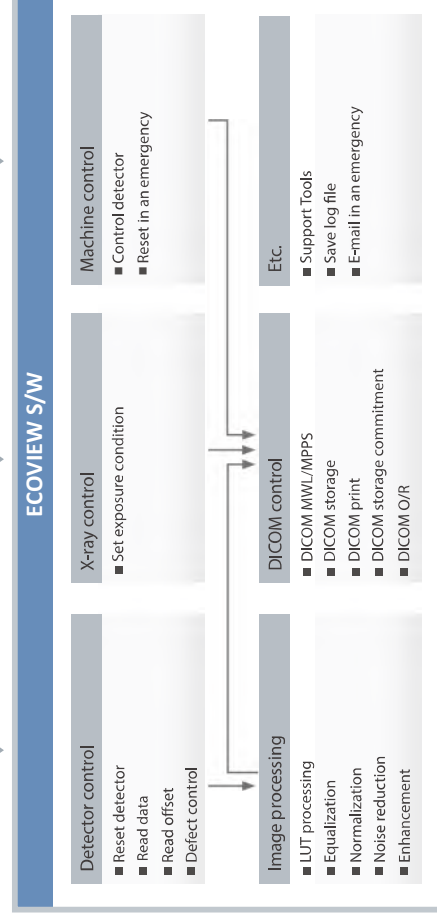


- AED function without connecting to Generator
- Quick image acquisition : 2 sec
- Scintillator : Gadox or Csi

14*17" (3643cm) Wireless Type



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



PACS server, film printer, CD-ROM, etc by network



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