

## Imaging for the Future

*Hospital Grade components at affordable prices make the ConRad series of radiographic systems the wise choice for a wide variety of applications. The practical design assures user-friendly operation while offering state of the art microprocessor control.*



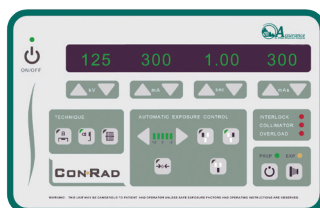
The high frequency techniques assure accurate and low dose exposures for the whole range of radiographic practices. The new ConRad generators match the needs of a busy radiology department with today's advanced technology.

Their modular design is one of the smallest and lightest packages on the market today! It is affordable while still maintaining the Hospital Grade excellence that measures up to the expectations of doctors' offices and hospitals. Many options are available for this new HF radiographic system to meet your needs.

## Heavy-duty, Hospital Grade Components of the ConRad Radiographic Systems

### CONRAD SERIES HF GENERATORS

Microprocessor control delivers reliability and accurate exposure parameter management
Outstanding linearity, low ripple, 300, 400, 500 or 600 mA maximum tube current
Easy-to-use flat surface control panel
Operates as a 3-factor technique selection generator (kVp, mA, time) with mAs operation selectable by operator kVp can be varied in 1 kVp steps from 40-125 kVp
Wide range of selectable exposure times for easy parameter selection and flexibility
Rapid automatic calibration mode reduces onsite procedure time
Decreased x-ray dose as compared to traditional generator systems ensures patient safety
Faster procedures due to improved x-ray imaging techniques means more throughput
Automatic tube protection and interlocks are all standard features
<b>Options:</b>
AEC electronics for consistent image quality, single or double chambers
Anatomical programs for 10 body parts
Pedestal for easy accommodation of the control console



	OUTPUT POWER	Max. mA @ kV values		mA range	kVp range
ConRad 325 HF	20 kW	200 mA @ 100 kV;	300 mA @ 65 kV	25 – 300 mA	40 – 125 kV
ConRad 425 HF	30 kW	300 mA @ 100 kV;	400 mA @ 65 kV	25 – 400 mA	40 – 125 kV
ConRad 550 HF	40 kW	400 mA @ 100 kV;	500 mA @ 65 kV	25 – 500 mA	40 – 150 kV
ConRad 650 HF	50 kW	500 mA @ 100 kV;	600 mA @ 65 kV	25 – 600 mA	40 – 150 kV

**Important: please furnish line specifications and electric requirement when ordering the generator**

## TUBESTAND

### TS 99 floor only mounted tubestand shown

- Floor-to-ceiling, floor-to-wall, or floor only mounting options
- Electromagnetic locks for vertical and longitudinal positioning
- 360° tube rotation with electric locks
- Extremely low focus – floor distance (approximately 24 cm)
- Quiet, effortless operation with special bearing systems
- Fully counterbalanced, dual rope system for safety
- Trunnion mount for x-ray tube ensures flexible positioning



### Options:

TS 05R tubestand with vertical column rotation  
TS 99T tubestand with cross-table travel  
TS 05RT tubestand with vertical column rotation and cross-table travel

Ceiling tube mounts available

Note: TS 99T and TS 05RT require floor-to-ceiling or wall support

## RADIOGRAPHIC TABLE

### Stylix 4-way radiographic table shown

- Heavy duty structure, rated at 230 kg (500 lbs) patient load
- 4-way table with electromagnetic locks for longitudinal and transverse travel
- 110 cm (43") longitudinal,  $\pm 12$  cm ( $\pm 4 \frac{3}{4}$ ") horizontal travel
- 220 x 81 cm (86" x 32") table top, 0.85 mm Al equivalent filtration

- Heavy-duty grid cabinet with stainless steel tray and 103 LPI 10:1 grid
- 57 cm (22.5") travel of the image receptor

### Options:

High-speed bucky with electric locks  
Short table top with 185 cm (73")

## WALLSTAND

### WS 99 floor-to-wall wallstand shown

- 149 cm (58 1/2") vertical travel for the lowest and highest exposure positioning in unison with tubestand
- Fully counterbalanced, dual rope system for safety
- Electromagnetic brakes for easy positioning and permanent placement
- Includes aluminum side rails which support a variety of accessories
- Panel cover with cross-lines and AEC field marks for easy patient and tube positioning
- Grid cabinet with heavy-duty stainless steel tray and

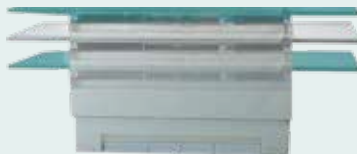
- 103 LPI 10:1 grid
- Wall junction box with cable hosing for clean and professional installation

### Options:

High speed bucky device in lieu of grid cabinet

Other grids available

## OPTIONAL: PHOENIX ELEVATING TABLE



Systems include all interconnecting cables needed and are prepared for quick and easy installation.

- 4-way elevating table with 30 cm (12") vertical travel
- Table top heights: 55 - 85 cm (22" - 33.5")
- High speed bucky device in lieu of image receptor (65 cm (25") travel), 103 LPI 10:1 grid standard

- 220 x 81 cm (86" x 32") table top, 0.85 mm Al equivalent filtration
- Heavy-duty structure, rated at 230 kg (500 lbs) patient load
- Anti-collision guard

**Options:** grids available  
Patient safety provisions

## COLLIMATOR

Light beam collimation system:

CX-MC 150

Other collimators are also available

## X-RAY TUBE

140 kHU 1.0–2.0 mm focal spots, 90° horns, standard 10 m high voltage cables

**Optional** tube upgrades available

To achieve optimal parameter output, specifications of the x-ray tube and generator shall be in conformity

All rights reserved. The manufacturer reserves the right to change specifications and features without notice.

**Assurance by White Mountain Imaging**

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## TYPICAL ROOM LAYOUT OF THE SYSTEM

