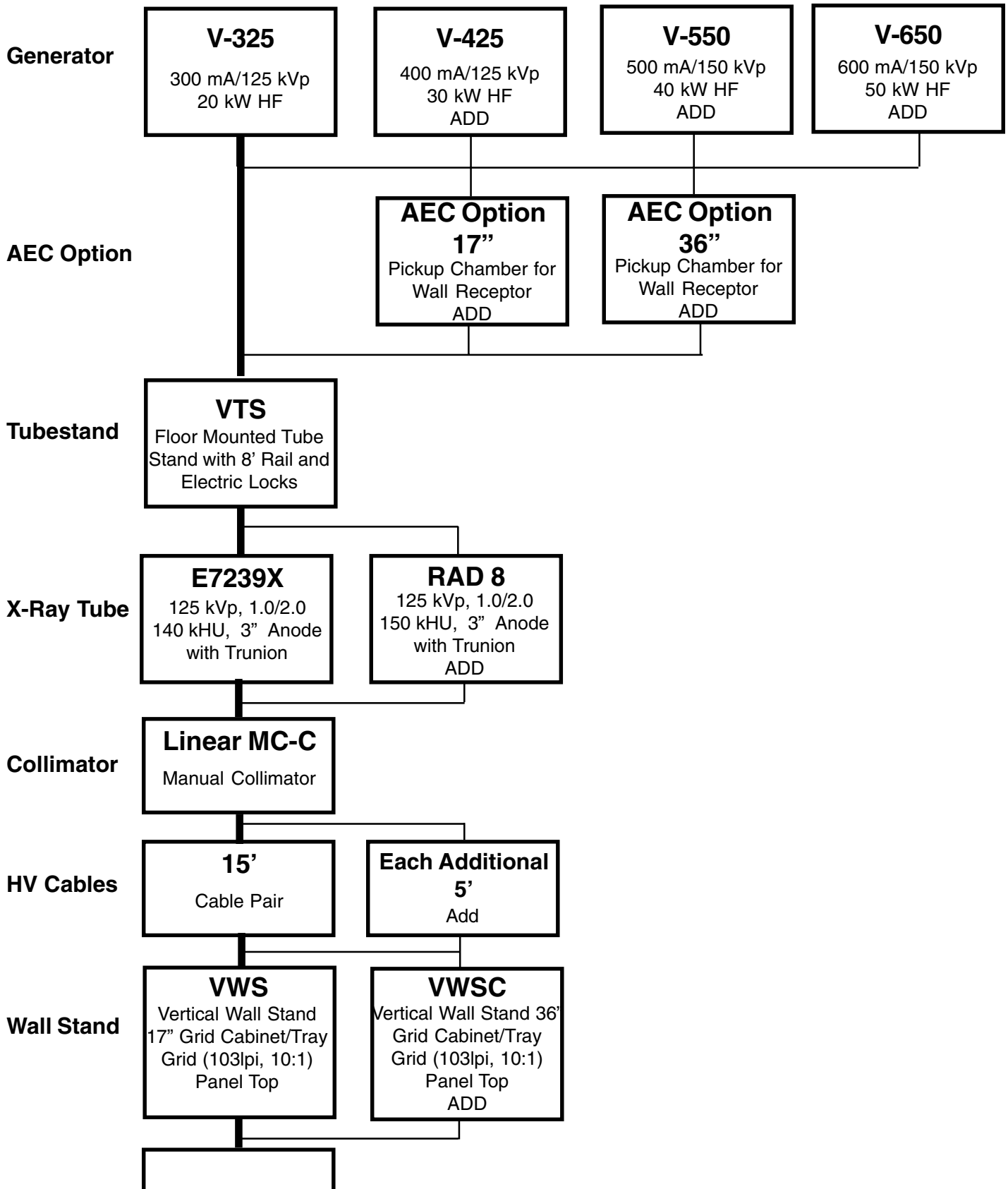


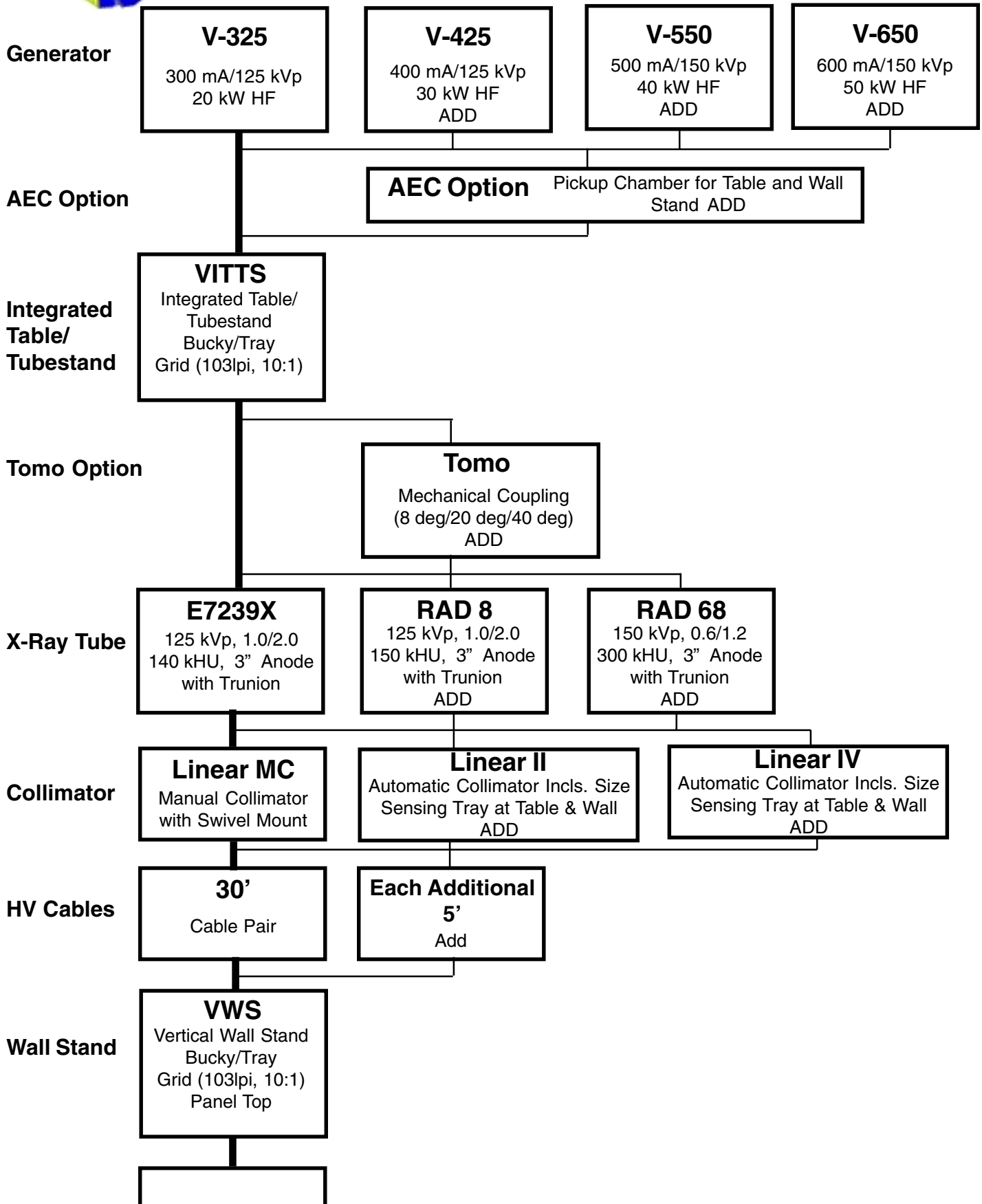


V-RAD Chiro/Chest System



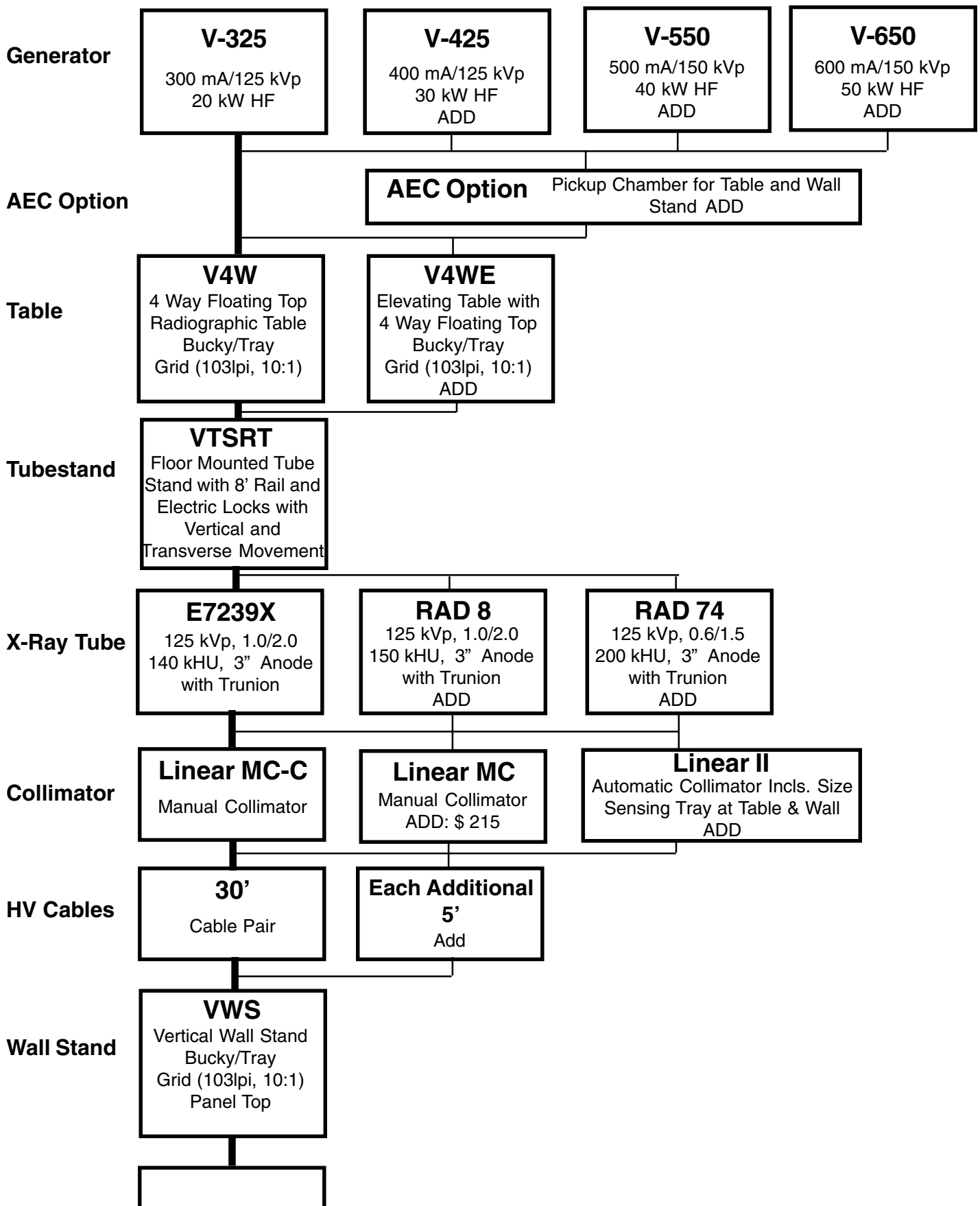


V-RAD Integrated Rad System





V-RAD Radiographic System



GTR® VET RAD SYSTEM

GTR® offers you the latest in complete radiographic x-ray systems for veterinary applications. Utilizing the GTR® VALUEGEN® High Frequency X-Ray Generator with the VET APR Console, the VET RAD SYSTEM allows the maximum flexibility both for your budget and your application.



Optional
Handlebar
APR Control

VTT
Integrated
Table/Tube Stand

Valuegen®
Chassis

VET APR
Console



From the basic system pictured on the front of this data sheet to the feature-enhanced system pictured here, GTR® can offer the right combination of equipment to meet your needs.

We have the basic table/tube stand combination, popular with small animal veterinarians, available with a 4-way float top and a variable SID.

For those more demanding applications where 360 degree access is required and floor space must be clear, we have the system which utilizes the overhead tube support and elevating table with 4-way float top.

High Frequency X-Ray Generators:

V-325 20 kW 300mA, 125 kVp APR Console
V-425 30 kW 400mA, 125 kVp APR Console

Option: APR Console Mounted in Handlebars

Tables: *All Tables factory assembled with grid cabinet, stainless steel tray and 103 line, 10:1 grid*

VTT Integrated Table/Tube Stand
Table is standard with a fixed top 60"x28" Height 28"

Option: 4-Way Float Table Top

VTE Elevating Table with 4-Way Float Top 60"x28" Height 21.5" to 33.5"

X-Ray Tube Supports:

VTT Integrated Table/Tube Stand
Tube Stand has horizontal travel the length of the table, SID fixed

Option: Variable SID

APR Console mounted in handlebars

VOT Overhead Tube Support with longitudinal travel, SID fixed

Option: APR Console mounted in handlebars

X-Ray Tubes:

Toshiba E7239X 1.0/2.0 focal spots, 140 kHu

Toshiba E7242X 0.6/1.5 focal spots, 200 kHu

Collimators:

Eureka Linear MC150 NC Manual Collimator for optimum protection and easy use

Huestis Medical CM-1000 Laser guided light beam collimator for more accurate positioning



Shown with Optional
Handlebar APR Console

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510 Elk St.
Gassaway, WV 26624
Phone: 304-364-2211
Fax: 304-364-2212

info@gtrllc.com
www.gtrllc.com

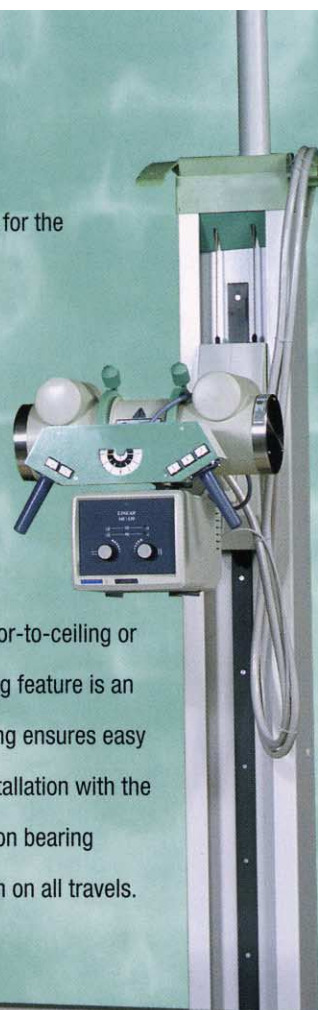
GTR® LABS RADIOGRAPHIC SYSTEM

VW

High
Smooth
system

High speed Bucky operation. Extended travel to the floor.
Smooth and precise operation through the special bearing
system of the carriage.

Heavy-duty precision tube stand, floor-to-ceiling or floor-to-wall operation. Free-standing feature is an option. Extremely low floor positioning ensures easy lower extremity exposures. Easy installation with the heavy-duty floor rail system. Precision bearing systems provide "no-slop"-operation on all travels.



High frequency generators of the latest technology ensure high quality exposures in the full radiographic range. 125 or 150 kV maximum tube voltage for full kV coverage. Automatic Exposure Control and anatomical programs (both optional) will guarantee perfect exposure parameters in all applications.

- Heavy-duty four-way radiographic table with easy operation.
- Dual braking system (for longitudinal and cross-table travel) with foot switch control ensures comfortable patient positioning.
- Extremely low table-top filtration.
- Standard high-speed Bucky operation.

**System shown
with the
V-425 (30 kW)
high frequency
generator**

**Safety, Comfort, Simplicity,
Performance...**

**the VTS Tube Stand,
featured in the V-RAD**

System available from

GTR[®], provides

the highest level of quality,

durability and value

available today.

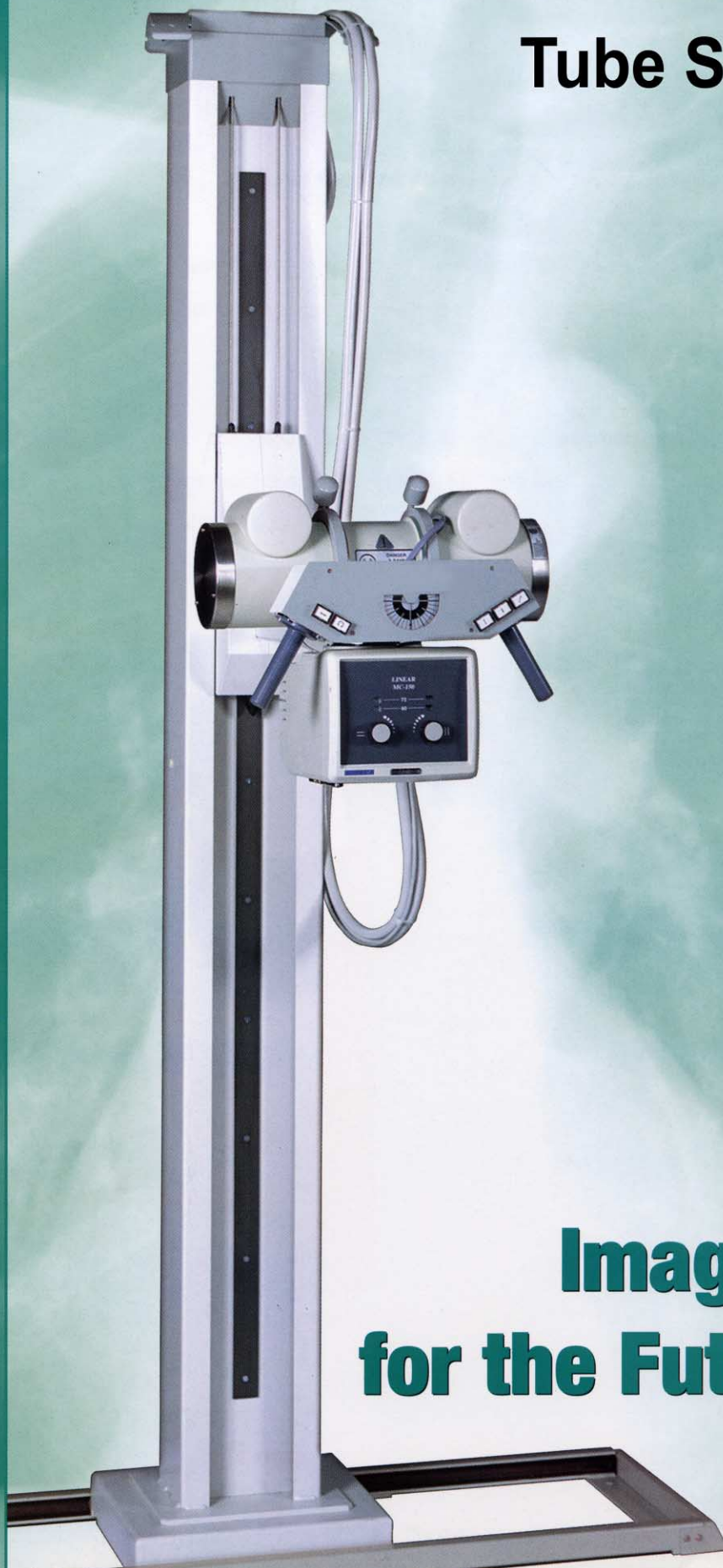
Available in traditional

floor-to-wall or floor-to-ceiling

mounting configurations or

as floor-mount only.

VTS Tube Stand



**Imaging
for the Future**



VTs Tube Stand

Features:

- dual rope counterbalancing system, ensuring maximum security and ease of operation
- low-profile floor rail track with a unique rail-bearing system that provides simple installation and minimal patient / technician interference as well as "no slop" movement for both vertical and horizontal travel.
- trunnion tube mount
- extended horizontal travel option (3600 mm/142" floor rails)
- low focus-floor distance of less than 10 inches provides easy lower extremity exposures in connection with a vertical wall stand, such as the VWS.

Specifications:

Floor rail length: 2455 mm (96.7")

Longitudinal travel (floor): 1950 mm (76.7")

Rail extension (optional): 1200 mm (47.2")

Arm length

(from center of the column): 750 mm (29.5")

Arm rotation (optional): +/- 90°

Vertical travel of the tube: 1617 mm (63.7")

Lowest focal spot position

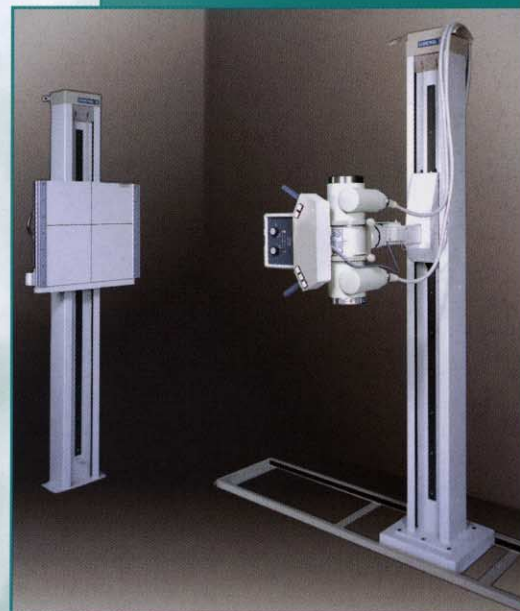
from the floor: 250 mm (9.5")

Highest focal spot position

from the floor: 1867 mm (73.5")

Tube rotation: +/- 180°

Electric power: 24V DC



VTS and VWS in different set-ups



Models available:

	non-rotating	with column rotation ($\pm 90^\circ$)
Floor-to-ceiling (wall) version	VTS	VTSRT
Freestanding version	VTsf	VTSFR

Specifications subject to change without notice

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**Safety, Comfort, Simplicity,
Performance...**

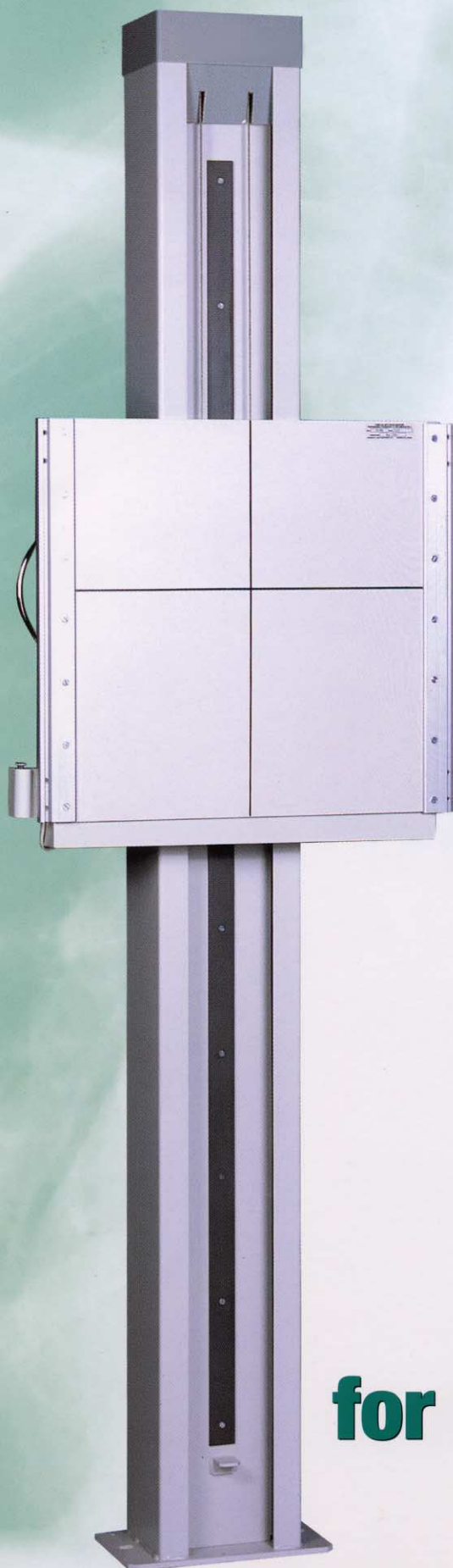
**the VWS Wall Stand,
featured in the**

**V-RAD System available only
from GTR[®],**

**provides the highest level
of quality, durability
and value available today.**



VWS Wall Stand



**Imaging
for the Future**

VWS Wall Stand

Features:

- Electromagnetic locks coupled with the sophisticated dual rope counterbalanced system ensures maximum security and ease of operation.
- low floor positioning provides easy lower extremity exposures in connection with a low focus-floor distance tube stand, such as the VTS.
- Free-standing support bracket is optional.
- Vertical and tilting is optional.
- Optional left- or right-hand load system

Specifications:

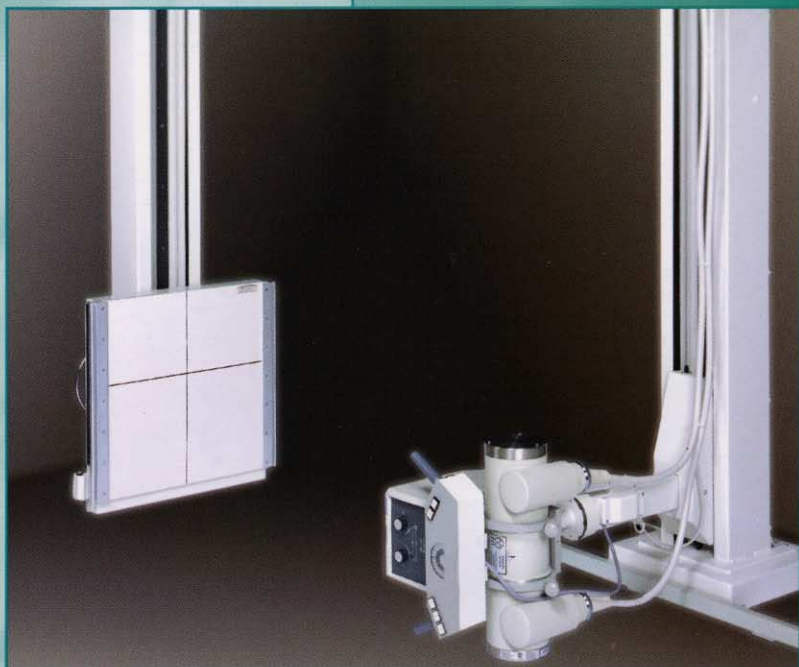
Height:	2270 mm (89.4")
Vertical travel:	1587 mm (62.5")
Film distance from wall:	300 mm (12")
Electric power:	24 V DC
Bucky surface rotation:	optional



VTS Tube Stand



Radiographic set-up



Lowest tube position
(9.5" focal spot to floor distance)

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Gassaway, WV 26624
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Fax: 304-364-2212

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Your Dealer:

VALUEGEN®



APR Operator's Console



VALUEGEN® has a new APR Operator's Console!

Available as an option on all VALUEGEN® generators, this new APR Operator's Console provides a full range of operational parameters for a busy x-ray department.

The console may be operated in any of three modes: **APR Mode**; **Manual Mode** and **AEC Mode**.

In the **APR Mode** the operator makes a selection of anatomical region and view and then selects the Centimeter Thickness of the patient. A technique is then presented from the stored technique chart in the Operator's Console.

In the **Manual Mode** the operator selects kVp, mA, Time and mAs using the selection pushbuttons associated with each parameter.

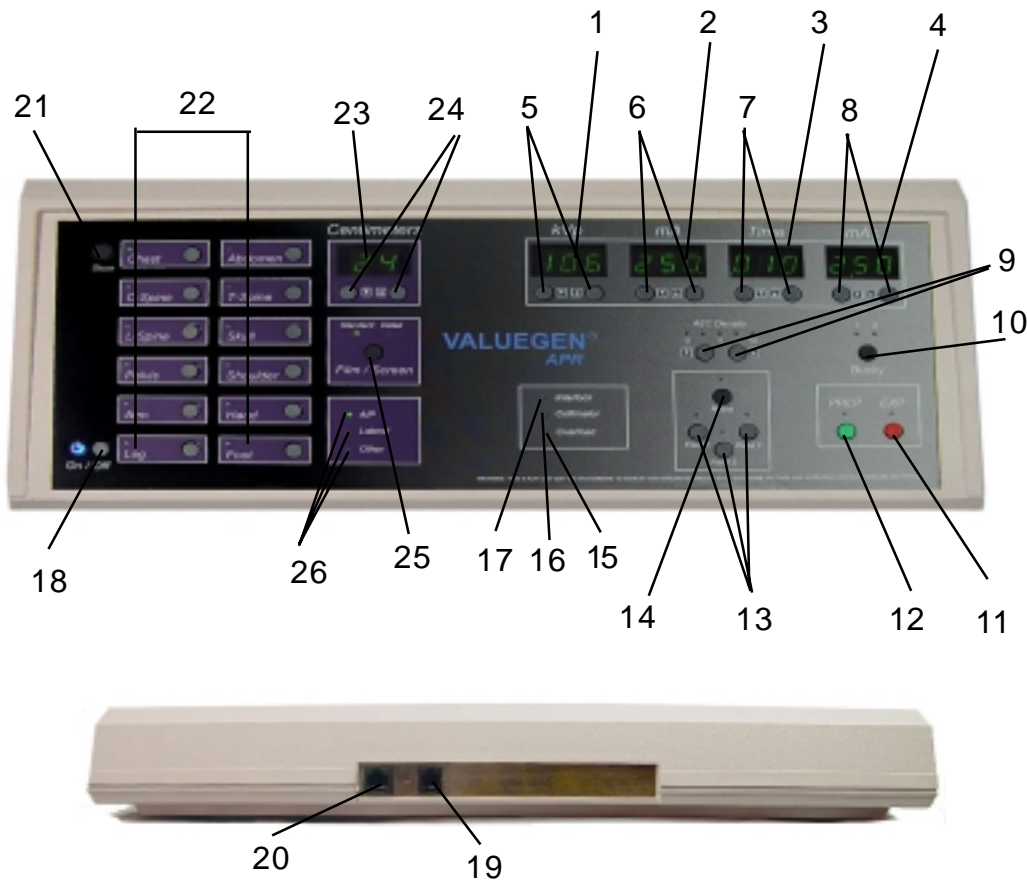
In the **AEC Mode** (which can be used in conjunction with APR Mode or Manual Mode) the operator must ensure that a sufficient backup time is selected to provide for an automatic exposure termination. The AEC Mode is also dependent upon having the optional AEC module installed.

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APR Operator's Console



- | | |
|------------------------|------------------------|
| 1. kVp Display | 14. AEC Reset |
| 2. mA Display | 15. Overload LED |
| 3. Time Display | 16. Collimator LED |
| 4. mAs Display | 17. Interlock LED |
| 5. kVp Up/Down | 18. On/Off |
| 6. mA Up/Down | 19. Hand Switch |
| 7. Time Up/Down | 20. Connector |
| 8. mAs Up/Down | 21. Store |
| 9. AEC Density Up/Down | 22. APR Selections |
| 10. BKY Select | 23. Centimeter Display |
| 11. EXP | 24. Centimeter Up/Down |
| 12. PREP | 25. Film/Screen Select |
| 13. AEC Field Select | 26. A/P-Lateral-Other |

GTR LABS
510 Elk Street
Gassaway, WV 26624
Phone (304)-364-2211 FAX (304)-364-2212

Warranty

GTR® LABS, Inc. warrants that this product will be free from defects in materials and workmanship for a period of five (5) years from the date of installation at the first end user's site; If any such product proves defective during this warranty period, **GTR®**, at it's option, either will repair the defective product without charge for parts or shop labor, or will provide a replacement in exchange for the defective product.

This warranty shall apply to all equipment and systems sold by **GTR®** with the exception of the following:

X-Ray Tubes

Image Intensifiers

TV Camera Tubes

The above items are subject to the manufacturer's warranty in effect as of the date sold. These warranties vary and are pro-rated. The manufacturer will be the final authority for any warranty claim.

In order to obtain service under this warranty, Customer must notify **GTR®** of the defect before the expiration of the warranty period and make suitable arrangements for the performance of service. Customer shall be responsible for packaging and shipping the defective product to the service center designated by **GTR®** with shipping charges prepaid. **GTR®** shall pay for the return of the product to Customer if the shipment is to a location within the country in which the **GTR®** designated service center is located. Customer shall be responsible for paying all shipping charges, duties, taxes, and any other charges for products returned to any other locations.

This warranty shall not apply to any defect, failure, or damage caused by improper or inadequate maintenance and care. **GTR®** shall not be obligated to furnish service under this warranty 1) to repair damage resulting from attempts by personnel other than **GTR®** representatives to install, repair, or service this product; 2) to repair damage resulting from improper use or connection to incompatible equipment or power source; or 3) to service a product that has been modified or integrated with other products when the effect of such modification or integration increases the time or difficulty of servicing the product.

Further, **GTR® LABS**, Inc. warrants that the product is in compliance with U.S.A. DHHS regulations which may be in force and effect at the time of shipment of the product.

The following is not covered by the warranty:

General maintenance and simple adjustments mentioned in the manuals delivered with the material.

THIS WARRANTY IS GIVEN BY GTR® WITH RESPECT TO THIS PRODUCT IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED. GTR® AND IT'S VENDORS DISCLAIM ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. GTR®'S RESPONSIBILITY TO REPAIR OR REPLACE DEFECTIVE PRODUCTS IS THE SOLE REMEDY PROVIDED TO THE CUSTOMER FOR BREACH OF THIS WARRANTY. GTR® AND IT'S VENDORS WILL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IRRESPECTIVE OF WHETHER GTR® OR THE VENDOR HAS ADVANCE NOTICE OF THE POSSIBILITY OF SUCH DAMAGES.

There are no warranties which extend beyond the description mentioned in this document.

The V4W table provides exceptional versatility for a wide range of x-ray procedures. Its compact, space-saving design enables it to be mounted in small x-ray rooms as well. With extended travel for the large tabletop, full radiographic coverage with minimal patient movement is possible. The four-way floating tabletop glides on a precision bearing system while electromagnetic locks secure the patient for quick and accurate positioning. The flat tabletop permits easy patient transfer and unobstructed cross-table examinations.

V4W

Four-Way Float-Top Radiographic Table



Imaging for the Future

The V4W table provides full radiographic coverage for maximum imaging flexibility in hospitals and private practices as well.

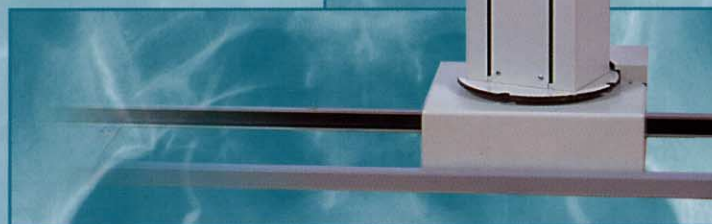
Features:

- Heavy-duty design for busy radiographic department use in hospital environments
- Low skin-film distance for precise, low magnification film studies
- Long bucky travel for easy patient positioning
- Optional lateral cassette holder for lateral studies
- Flat tabletop ensures easy positioning for lateral studies
- Extended tabletop travel provides access for wheelchair patients
- Electromagnetic locking system is controlled by a two-step, convenient foot treadle
- A variety of high speed bucky devices (automatic, size sensing and non-sensing) and grid cabinets are available for all customer needs
- Standard 103 LPI, 10:1 grids ensure high quality radiographic exposures; other grids are optional
- Stainless side rails support a wide variety tabletop accessories (control handgrip is standard)
- Optional accessories include: lateral cassette holder, compression device, head support, hip support



Specifications:

Tabletop travel – longitudinal	43" (1100 mm)
Tabletop travel – cross-table	+/- 4-3/4" (+/- 120 mm)
Tabletop movement	Four-way floating with 2-step electromagnetic locks
Tabletop length	88" (2200 mm); 73" (1850 mm) optional
Tabletop width	32" (812 mm)
Table height	29-1/2" (745 mm)
Table base	55" x 28-3/4" (1400 x 730 mm)
Bucky travel	22" (555 mm)
Tabletop Absorption Density	0.6 mm Al equivalent
Power requirements	24 V AC/DC



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510 Elk St.
Gassaway, WV 26624
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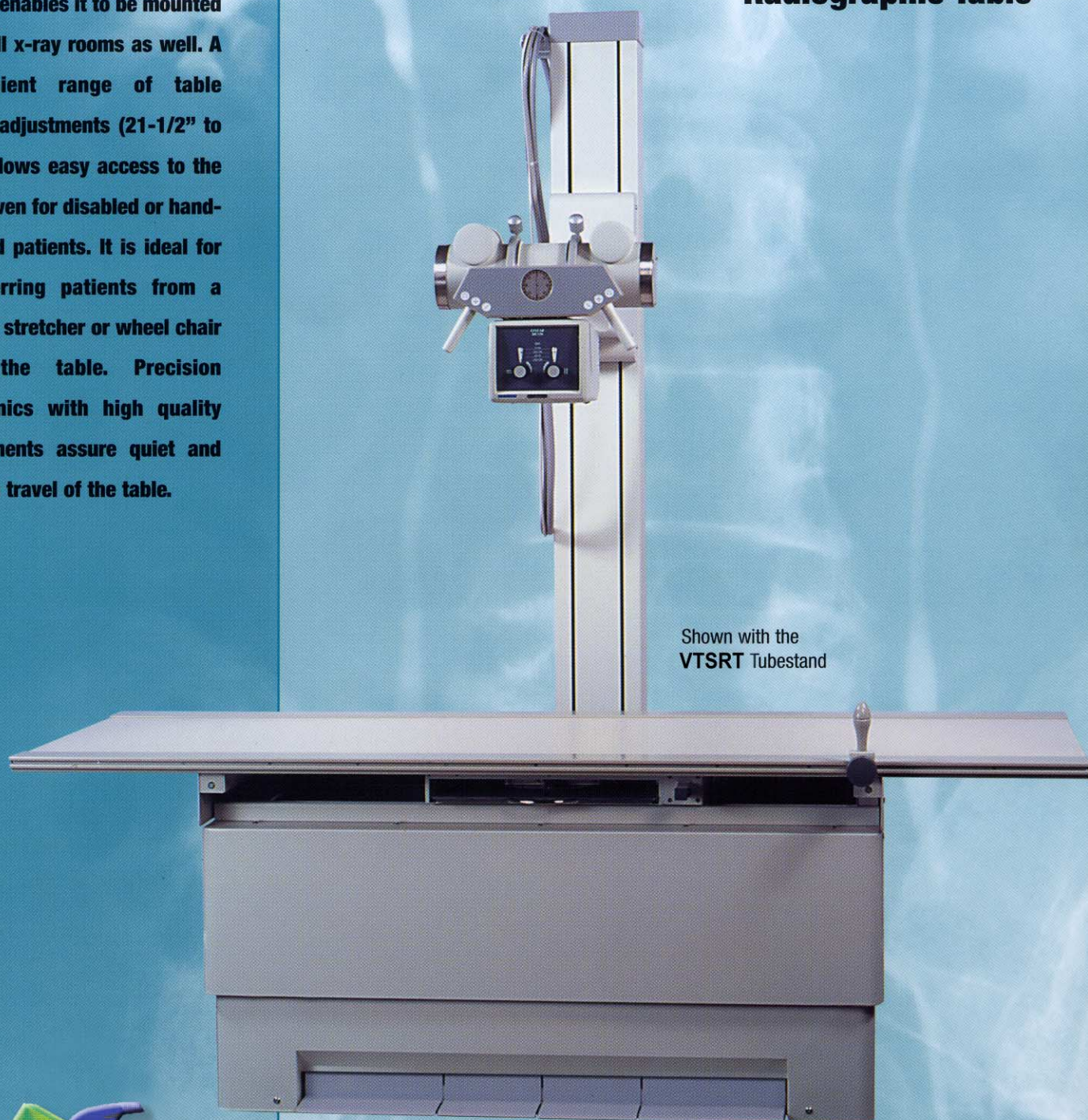
Your Dealer:

VTSRT rotational and cross travel tubestand, the recommended tubestand for radiographic applications

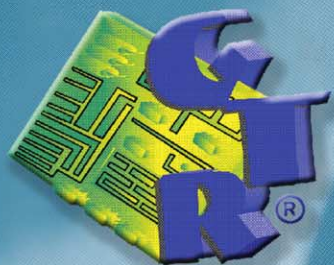
The V4WE table provides exceptional versatility for a wide range of x-ray procedures. Its compact, space saving design enables it to be mounted in small x-ray rooms as well. A convenient range of table height adjustments (21-1/2" to 34") allows easy access to the table even for disabled or handicapped patients. It is ideal for transferring patients from a trauma stretcher or wheel chair onto the table. Precision mechanics with high quality components assure quiet and smooth travel of the table.

V4WE

Four-Way Float-Top Elevating Radiographic Table



Shown with the
VTSRT Tubestand



Imaging for the Future

The V4WE table provides full radiographic coverage for maximum imaging flexibility in hospitals and private practices as well. It is especially adequate for radiographic procedures on injured or elderly patients.

Features:

- Comfortable table-height adjustment between 21-1/2" and 34" (550 mm to 850 mm)
- Safe table-control operation avoids accidental HI-LO motion of the table
- Heavy-duty design for busy radiographic department use in hospital environment
- Low skin-film distance for precise, low magnification film studies
- Optional lateral cassette holder for lateral studies
- Flat tabletop ensures easy positioning for lateral studies
- Extended tabletop travel provides access for wheelchair patients
- Electromagnetic locking system controlled by a convenient footswitch
- A variety of high speed bucky devices (automatic, size sensing and non-sensing) are available for all customer needs
- Standard 103 LPI, 10:1 grids ensure high quality radiographic exposures; other grids are optional
- Stainless side rails support a wide variety tabletop accessories (control handgrip is standard)
- Optional accessories include: lateral cassette holder, compression device, head support, hip support

Specifications:

Tabletop travel – vertical	12", from 21-1/2" to 34" (300 mm, from 550 mm to 850 mm)
Tabletop travel – longitudinal	43" (1100 mm)
Tabletop travel – cross-table	+/- 4-3/4" (+/- 120 mm)
Tabletop movement	Four-way floating with electromagnetic locks
Tabletop length	88" (2200 mm); optional 73" (1850 mm)
Tabletop width	32" (812 mm)
Table height	adjustable from 21-1/2" to 34" (from 550 mm to 850 mm)
Table base	55" x 28-3/4" (1400 mm x 730 mm)
Bucky travel	22" (555 mm)
Tabletop Absorption Density	0.6 mm Al equivalent
Power requirements	230 VAC (50/60 Hz) optional 117 VAC (50/60 Hz)

With extended travel for the large tabletop, full radiographic coverage with minimal patient movement is possible. The four-way floating tabletop glides on a precision bearing system while electromagnetic locks secure the patient for quick and accurate positioning. The flat tabletop permits easy patient transfer and unobstructed cross-table examinations. Durable and easy to use, this table is suitable for environments from the hospital to the private practice.



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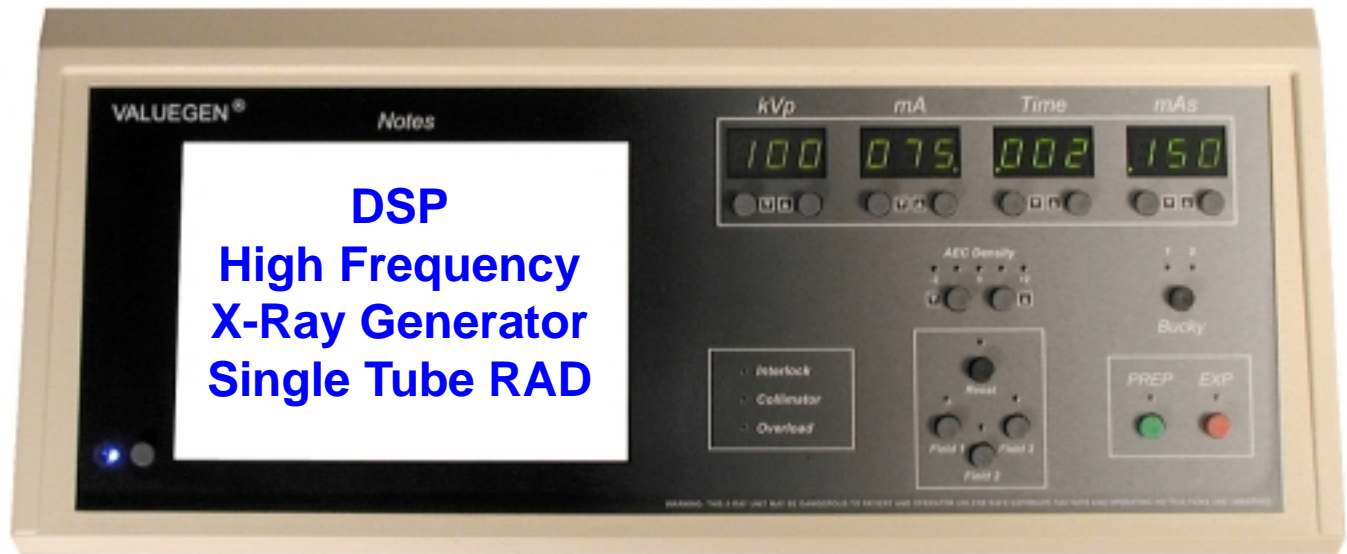
Your Dealer:

Vertical travel range
of the V4WE Table

VALUEGEN®



MODELS V-325/425/550/650



VALUEGEN® has a new **Operator's Console!** It's new larger size (8.5" x 20") allows greater visibility of all functions. The On/Off switch and Power On LED are conveniently located on the lower left corner of the console for ease of operation. The new discrete switches are easy to use and require only 32 micrograms of force for activation. Continuous mAs display is included for simplification of the display options. Individual AEC Field select switches are included to eliminate the need to "step through" the Field selection combinations. A dry marker white board area is included for technique notes. Compatible with all **VALUEGEN®** generators, this new console is now included as a standard item.

VALUEGEN® utilizes DSP Technology for software control of the kVp waveform for excellent linearity and no measurable ripple across the entire performance range. The extensive use of software control provides significant productivity improvements in installation and service of the generator as well. X-Ray tube characteristic curves are digitized and pre-loaded in software and can be customized for the particular x-ray tube in use.

GTR® LABS

VALUEGEN®



MODELS V-325/425/550/650

SPECS	V-325	V-425	V-550	V-650
Output Power Technique Factors	20 kW 300 mA, 125 kVp	30 kW 400 mA, 125 kVp	40 kW 500 mA, 150 kVp	50 kW 600 mA, 150 kVp
mA Range kVp Range Time	25 to 300 mA 40 to 125 kVp 2ms to 6 sec.	25 to 400 mA 40 to 125 kVp 2ms to 6 sec.	25 to 500 mA 40 to 150 kVp 2ms to 6 sec.	25 to 600 mA 40 to 150 kVp 2ms to 6 sec.
Input Power	Single Phase 188/250 VAC 50A Breaker	Single Phase 188/250 VAC 65A Breaker	Three Phase 188/250 VAC 75A Breaker	Three Phase 188/250 VAC 100A Breaker
Size Cabinet Console	44"x24"x12.5" 8.5"x20"x4.5"	44"x24"x12.5" 8.5"x20"x4.5"	44"x24"x12.5" 8.5"x20"x4.5"	44"x24"x12.5" 8.5"x20"x4.5"
Weight Cabinet Console Total	150lb (68kg) 4lb (2kg) 154lb (70kg)	150lb (68kg) 4lb (2kg) 154lb (70kg)	170lb (77kg) 4lb (2kg) 174lb (70kg))	170lb (77kg) 4lb (2kg) 174lb (79kg)
Features APR AEC Bucky Control Tube Protection	Optional Optional Optional Yes	Optional Optional Optional Yes	Optional Optional Optional Yes	Optional Yes Yes Yes



GTR LABS

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