

Radiographic Systems

by

Universal

General Purpose
Imaging Solutions



*Medical
Imaging Solutions
For Today's Practice
& Beyond*

Universal
Serving the Medical Profession
for Over 75 Years.

HIGH PERFORMANCE HIGH QUALITY DC PRO™

by **Universal**

The Universal **DCPRO™** is a cost effective direct digital chest x-ray system. High quality digital images are achieved in less than 10 seconds with a powerful 500 mA high frequency generator. Preprogrammed APR techniques increase diagnostic and operator efficiency.



Digital upgrades are also available. Enhance your existing system with a digital wallstand or choose one of our CR solutions

Standard Features

Tubestand:

- Floor-to-wall or floor-to-ceiling mounted for ceiling heights of 91¾ in. (233 cm) to 108 in. (275 cm).
- 6 ft. (183 cm) floor and ceiling tracks.
- Angulation dial and operator handles.
- Stainless steel bearings and electro-magnetic locks provide smooth and positive positioning of vertical and horizontal tubestand positions.

Digital Detector Wall Stand:

- Full-bodied floor to wall mounted column.
- Digital detector has extensive column travel.
- Stainless steel bearings & electro magnetic lock.

Tube / Collimator

- 200,000 heat unit 0.6 x 1.5 mm focal spot tube for high resolution.
- Certified manual collimator with laser light and swivel mount.

Digital Radiography Acquisition System consisting of:

- 16 in. x 16 in. image field detector
- 3k x 3k, 9 megapixel array, 3.1 lp/mm resolution
- 400 Speed screen/film equivalent
- 60 line, 13:1 fiber interspaced grid
- 20 in. monitor, 1600 x 1200 resolution
- DICOM Send, Store, Modality Worklist & Print
- Right, Left, Anterior & Posterior markers
- Window level, zoom & pan
- 200GB hard drive, keyboard & mouse
- Remote PC access
- Flow Meter for the operation of the Nitrogen Gas connection to dehumidify the CCD Chip and comes complete with 60 feet of tubing.
- Gas Regulator with 3/8 in. connector for Nitrogen Gas Flow.

Elevating Four-Way Float Top Table Radiographic System

The EV650 Elevating Four-Way Float Top Radiographic Table establishes a solid system foundation. The tables rugged design accommodates a 650 lb. (295 kg) patient load capacity making it ideally suited for hospitals, urgent care centers, clinics and private practices. The four-way float top can lower to 22.25 in. (56.5 cm) for safe and comfortable loading of a full range of patients from pediatrics to geriatrics and mobile to immobilized. Slanted, recessed foot pedals offer a safe environment for both patient and operator.



Designed for upright radiography, the Universal 3546E Vertical Wallstand features extensive travel of the receptor to provide a full range of views and patient heights. Stability and increased esthetics are built into our floor-to-wall mounted counterbalanced stand with dual counterweight cables for added patient and user safety. Available with 14 in. x 17 in. (35.5 cm x 43 cm) grid cabinet or bucky or 14 in. x 36 in. (35.5 cm x 91.5 cm) grid cabinet.



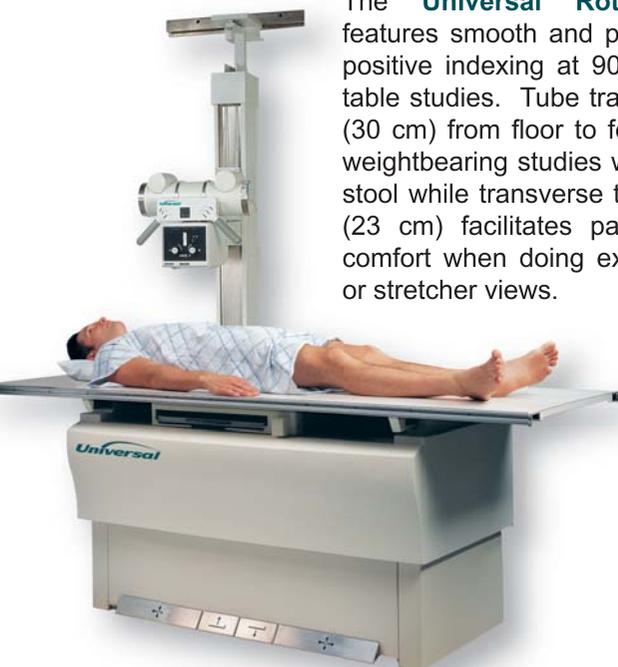
Universal's Free Standing Tubestand features a low profile, free-standing rail for support, eliminating the need for costly room modifications. Installation can be accomplished in a room with a ceiling height as low as 87 in. (221 cm).

The pressure activated 180 degree column rotation and 9 in. (23 cm) transverse tube travel assure complete radiographic coverage. For weight bearing exams, the focal spot can be positioned 12 in. (30 cm) above the floor.



Tube Mount Options

The **Universal Rotating Tubestand** features smooth and precise rotation with positive indexing at 90 degrees for cross table studies. Tube travels down to 12 in. (30 cm) from floor to focal spot to enable weightbearing studies without the use of a stool while transverse tube motion of 9 in. (23 cm) facilitates patient and operator comfort when doing extremity, wheelchair or stretcher views.



The **Universal Ceiling Tube Mount** is a radiographic x-ray tube suspension system designed to facilitate a wide range of procedures. The fully counter-balanced system provides 92 in. (234 cm) transverse travel and 60 in. (153 cm) vertical travel with 360 degree tube rotation.

Universal systems can be configured to meet your particular clinical requirements.

Universal ... a name trusted for over 75 years.

SPECIFIC NEEDS UNIVERSAL SOLUTIONS



Four-Way Float Top Radiographic System

The **Universal Four-Way Float Top Table** simplifies the process of accomplishing high quality general radiographic images with minimal patient shifting. The smooth gliding four-way float top enables easy positioning of patients up to 500 lbs. (227 kg). The standard recessed foot treadle reduces the risk of a patient accidentally releasing locks when disembarking table.

Designed for today's cost and performance conscious global practitioners.

MedTek Stationary Top Table Radiographic System

The MedTek tables compact design of 76 in. (193 cm) x 28 in. (71 cm), along with its robust construction will provide many years of reliable performance in the clinic, group or private practice settings. Accommodates patient load of up to 400 lbs. (182 kg).

The non-rotating tubestand can be floor-to-ceiling or floor-to-wall mounted and is equipped with electric locks. Fits ceiling heights of 91 $\frac{3}{4}$ in. (233 cm) - 108 in. (274 cm).

Combine with any of our generators and wall stands to create a high performance system designed to your specific needs.



More power for your money.

Universal generators range from our budget friendly HE 425 400 mA single phase model to a variety of high frequency generators.

400 mA Generator

The **Universal HE 425** 400 mA microprocessor controlled generator is synonymous for accuracy, safety, reliability, quality and ease-of-use. The added power enables use of shorter time to stop motion and provides peace-of-mind in penetrating patients that conventional 300 mA generators typically cannot accommodate. The HE 425 is ideally suited for the value conscious buyer.



High Frequency Generators

Universal offers a variety of high frequency generators that combine electronic technology with advanced microprocessor control design.

Universal high frequency generators are available in 400, 500 and 600 mA output. Among the choices is our exclusive APX/MPX525 two or three point technique selection generator which allows the technician to choose the mode of operation they are most comfortable with. With two-point selection, the generator allows settings of mAs and kVp and three-point selection allows settings of mA, kVp and time. The APX525 has a third technique selection option, APR (Anatomically Programmed Radiography).

Penetration of heavier patients is assured with selection of our powerful 500 or 600 mA generator. In addition, the benefits of high frequency will deliver the higher mR/mAs desirable when using DR or CR today or in the future.

Our standard wall mount control panel allows installation in a very restricted space. An optional pedestal stand is also available.

Over the past 75 years Universal has been providing generators that are user-friendly, powerful, compact, reliable and flexible. Regardless of your generator choice or installation site requirements, our wide selection will give you peace of mind in producing quality images.

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Computed Radiography (CR) Systems

Durable, compact and lightweight

Universal offers several **Kodak Point-of-Care CR** systems which use computed radiography technology. An image is created using a cassette containing a phosphor plate that replaces the conventional cassette. Once the exposure is made, the cassette is removed and placed into the Kodak Point-of-Care reader that scans and digitizes the image. The digital image is displayed on the monitor within 30 to 40 seconds. After the image has been digitized, the plate is then automatically erased for reuse which eliminates the need to place the cassette in one compartment to read and in another compartment to erase as required by some CR units.



The Kodak Point-of-Care CR 260 is a well suited and affordable CR system for medium-size health-care facilities and clinics. Designed to enhance workflow and help improve productivity, the CR 260 provides throughput of up to 60 plates per hour.

The Kodak Point-of-Care CR 140 is ideal for busy clinics and specialty practices such as chiropractors, podiatrists, and orthopaedists. It is also recommended for satellite locations, and remote sites such as military field installations. Throughput of up to 41 plates per hour can be achieved.

The Kodak Point-of-Care CR 120 is ideally suited for clinics with low exam volumes such as small clinics, mobile units, and offshore locations. This is a good entry level solution with throughput of up to 20 plates per hour.



Durable, compact, and lightweight, these systems enable all imaging functions to be performed at the point of patient care with one affordable package. They are part of a modular solution that can be mounted on an optional wheeled Z-cart or placed on a tabletop and can be configured to meet most clinical applications.

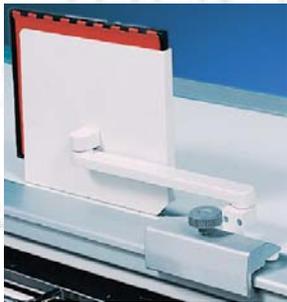


For over 75 years, the Universal family of products has offered affordable solutions in diagnostic imaging. To accommodate the needs of the diversified worldwide imaging market place, Universal offers a complete array of DR, CR and film-based imaging solutions.

In the history of the company more than 1.5 million imaging suites have been manufactured, shipped and installed worldwide. It is estimated that more than one-half million units are still in use worldwide.

Whether you're looking for a simple, reliable rotating tube stand with four-way float top, ceiling tube mount with rugged elevating table, or special configured suite, Universal should be your supplier of choice. Our facilities in Chicago and Milan produce cost effective products with no compromise in quality.

Table Accessories



Lateral cassette holder

The cassette holder clamps to the side of the table and can be adjusted in height to reach the desired angle.

Compression band

The compression band attaches to the rail on both sides of the table and is used to even out the thickness of the area of interest.



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Serving the Medical Profession
for Over 75 Years.

Complies with all CDRH performance standards in effect at the date of manufacture. As we strive for constant improvement, specifications are subject to change without notice.
UL Classified
An ISO13485 & ISO9001 Certified Facility



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