



# CHIROPRACTIC DXR

DIRECT DIGITAL RADIOGRAPHIC SYSTEM



*Affordable Digital Imaging*

For over 20 years, Summit Industries has supplied the chiropractic profession with superior radiographic equipment engineered for longevity. With a commitment to workmanship and development, Summit manufactures radiographic systems and generators to meet specific needs of chiropractors worldwide. Excellence in manufacturing and adherence to quality assurance measures have earned Summit ISO 9001 certification. This recognition acknowledges Summit's commitment to quality and continuous improvement.



## Chiropractic DXR System Features

Examine more patients each day... up to 3 times that of CR (computed radiography) or film. The DXR System delivers



a patented, single CCD direct digital receptor in conjunction with a Synergy 200 High Frequency generator for high quality images within seconds after exposure.

The acquired digital image appears on the system's display allowing for immediate positioning verification and diagnosis. Digital images are processed and ready to send to a printer or save for later review with a few keystrokes.

As a stand-alone imaging workstation, with the optional Chiropractic mini-PACS, or

integrated into an existing PACS, the flexible Chiropractic DXR System is ideal for any clinic.

## Superior Images

The patented, single CCD direct digital receptor captures the highest resolution images available. More than 16 million pixels digitized at 14 bits per pixel produces 16,384 shades of gray. This excellent dynamic range allows discovery of pathology you might not see with other systems. The 17" x 17" (43 cm x 43 cm) image area is the industry's largest and provides for easy patient positioning.

Maximum efficiency and lower radiation dose is ensured by the Chiropractic DXR's high Detective Quantum Efficiency (DQE is an industry measure of digital image quality).

## User-friendly Software

The Chiropractic DXR software is easy to use and supports the DICOM standards including modality worklist, print management and send. Advanced image processing functions include: tissue equalization, sharpening, image contrast enhancement, and many more. Markers for Right, Left, AP and PA are easily applied for permanent reference. Using the optional mini-PACS allows for telemedicine access to your images for referral.

## Professional Support is Standard

All the benefits of the Chiropractic DXR System and digital imaging are enhanced by on-site installation and applications training.

## Proven Designs, Extraordinary Value

The Chiropractic DXR System utilizes leading edge 200 kHz High Frequency technology by way of the Synergy 200 generator. Delivering a full 30 kW of power, the Synergy 200 is designed to maximize radiographic efficiency. 200 kHz technology offers reduced patient dose resulting in safer x-ray imaging. The system is FDA 510k approved. The full travel of the digital receptor wallstand allows a wide range of exams including standing knee and ankle procedures. Complemented by a stylish tubestand, the Chiropractic DXR System is an outstanding value.

## The Synergy 200 – User Friendly and Versatile

The Synergy 200 features a user-friendly operator console. Anatomically programmed, the operator simply selects the area of interest, the radiographic view, and enters the centimeter measurement. The Synergy 200 automatically displays the optimum kVp and mAs technique factors, resulting in easy technique selection. Versatility describes the technique modification capabilities of the Synergy 200. For individual patient set-up, the operator may select different distances and the Synergy 200 automatically modifies the technique factors prior to the x-ray exposure. The Synergy 200 also allows the operator to select different patient types. This unique feature allows the Synergy 200 generator to optimize technique factors for a variety of patient types and conditions. For permanent modification, the operator may tailor the technique factors programmed in the Synergy 200. The APR Edit Mode allows the technique factors or exposure parameters to be stored in memory, maximizing the efficacy of the Synergy 200.



Synergy 200

## Protect Your Investment

Backed by a limited five-year parts warranty on the system with a one-year warranty on the digital receptor, computer, monitor and software, the Chiropractic DXR System provides exceptional performance and value.

Our optional, "no worries" extended warranty program secures your investment today and guarantees your investment value tomorrow.



**Your Partners in Radiography**

2901 W. Lawrence Ave. • Chicago, IL 60625 • 800-972-9776 • 773-588-2444 • FAX 773-588-3424  
[www.summitindustries.net](http://www.summitindustries.net)