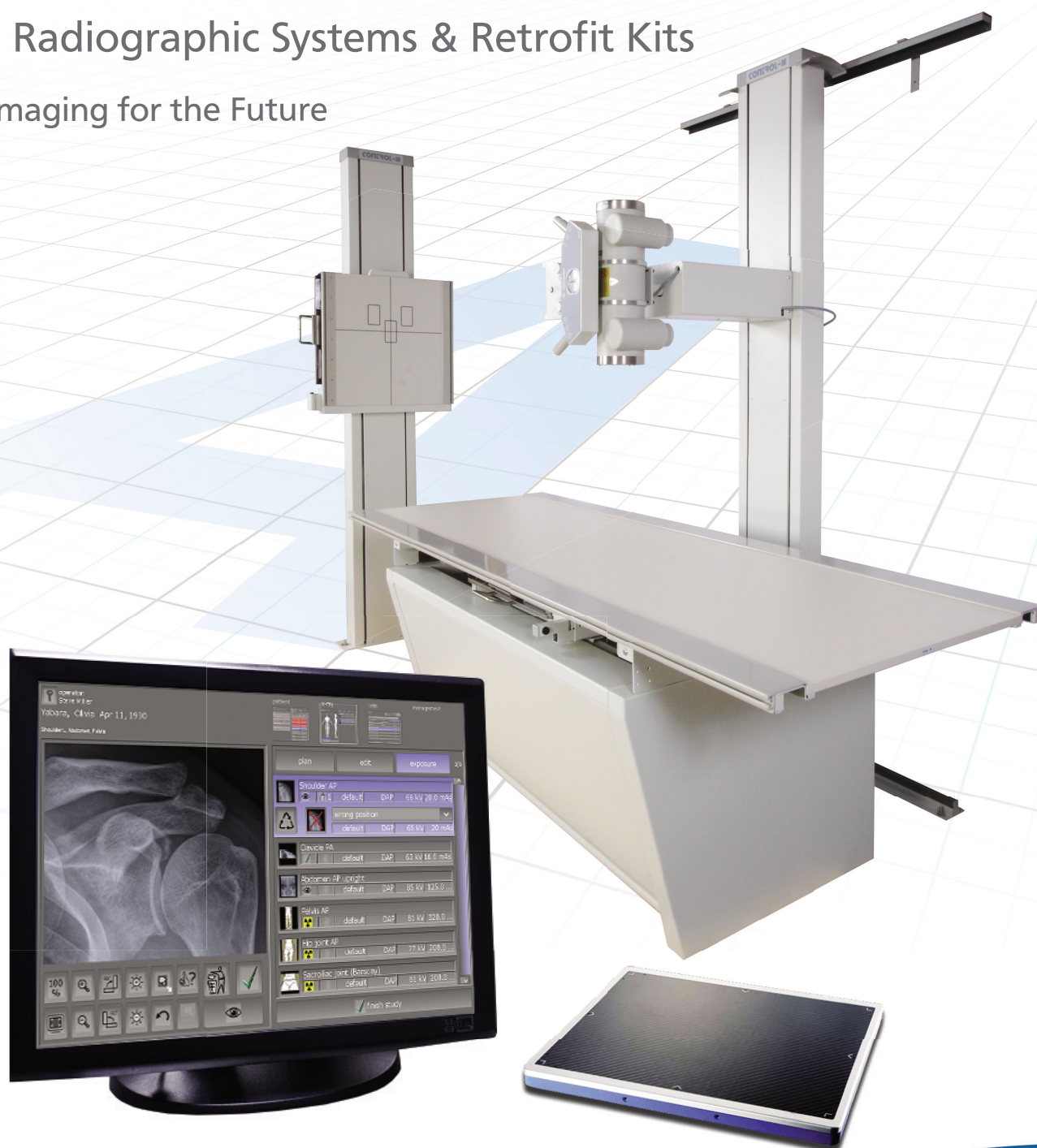


# APEX

## Digital Radiographic Systems & Retrofit Kits

### Digital Imaging for the Future



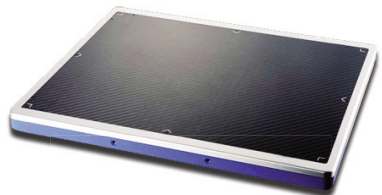

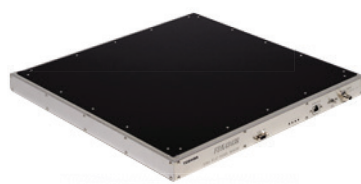

Control-X Medical's APEX Digital Radiographic Systems & Retrofit Kits offer high quality digital imaging solutions for any radiographic environment.

Whether in need of a new digital radiographic system or just a retrofit package, Control-X Medical can provide you affordable digital imaging solutions that match today's digital technology. Their versatile system and component configurations can match the needs of any radiology department.

GENERATOR	SPECIFICATIONS
kW range	32 / 40 / 50 / 65 / 80
kV range	40 - 150
mA range	400 / 500 / 630 / 800 / 1000
TUBESTANDS	SPECIFICATIONS
Mounting options	Floor, floor - wall, floor - ceiling, ceiling (depending on model)
Movements	<ul style="list-style-type: none"> <li>- Vertical, longitudinal</li> <li>- Vertical, longitudinal, transverse arm</li> <li>- Vertical, longitudinal, rotational column</li> <li>- Vertical, longitudinal, transverse arm, rotational column</li> </ul>
X-ray tube rotation	$\pm 180^\circ$
X-RAY TUBES	SPECIFICATIONS
Models	Wide variety of tubes are available from manufacturers such as Toshiba, Varian and Dunlee
COLLIMATORS	SPECIFICATIONS
Models	Various models are available from manufacturers such as UMI, Progeny, Collimare
TABLES	SPECIFICATIONS
Movement	<ul style="list-style-type: none"> <li>- Stylix 2: Four-way float top</li> <li>- Phoenix: Elevating, four-way float top</li> </ul>
Tabletop dimensions	86" x 32" (220 x 81 cm)
Tabletop travel	<ul style="list-style-type: none"> <li>- Longitudinal: 43" (110 cm)</li> <li>- Transverse: <math>\pm 4.75"</math> (<math>\pm 12</math> cm)</li> <li>- Elevation (Phoenix): 12" (30 cm)</li> </ul>
Weight limit	<ul style="list-style-type: none"> <li>- Stylix 2: 500 lbs (230 kg)</li> <li>- Phoenix: 500 lbs (230 kg) useful use, 660 lbs (300 kg) capable use</li> </ul>
WALLSTANDS	SPECIFICATIONS
Vertical travel	58.50" (149 cm)
Center line - floor distance	15" (38 cm)
Receptor tilt	WS 99T: $+90^\circ$ - $-30^\circ$





DETECTORS	SPECIFICATIONS
<b>FLAATZ 750E</b>	<p>- 17" x 17" (43 x 43 cm) fixed selenium image detector</p> <p>- 168 µm pixel pitch</p> <p><i>Direct digital imaging with selenium technology delivers clear, high quality images</i></p> 
<b>FLAATZ 560</b>	<p>- 14" x 17" (35 x 43 cm) tethered selenium image detector</p> <p>- 139 µm pixel pitch</p> <p><i>Direct digital imaging for clear images and tethered capability for reducing costs</i></p> 
<b>APX 4343R</b>	<p>- 17" x 17" (43 x 43 cm) fixed Csl image detector</p> <p>- 143 µm pixel pitch</p> <p><i>Offers high resolution and contrast due to it's high DQE with practically no delay time after taking the exposure</i></p> <p><i>*For use in markets where FDA is not required</i></p> 
<b>APX 3543RP</b>	<p>- 14" x 17" (35 x 43 cm) tethered Csl image detector</p> <p>- 143 µm pixel pitch</p> <p><i>High resolution and sensitivity. Low x-ray dose combined with it's tethered mobile capability allows for single detector systems</i></p> <p><i>*For use in markets where FDA is not required</i></p> 

The **dicomPACS® DX-R** software includes everything one would expect from today's DR technologies. Acquire, manipulate, process, communicate and save your high quality DICOM images with the **dicomPACS® DX-R** software.

## USER FRIENDLINESS AND SMOOTH WORKFLOW

- Modern graphical user interface adaptable to almost any language
- Capture of patient data via DICOM Worklist and other protocols
- Freely configurable body parts with more than 400 projections
- User can switch between examinations of a patient to avoid having to re-position the patient frequently
- Safe and fast registration of emergency patients
- Add images to an examination even after that examination has already been completed
- Fully integrated radiographic position guide for each examination including notes, photos, videos and correct x-ray images

## FLEXIBLE IMAGE ACQUISITION

- Connect up to 2 digital detectors (table and/or wallstand)
- Configurable generator interface; AEC and APR adjustments
- Integration of dose area product meters (DAP)



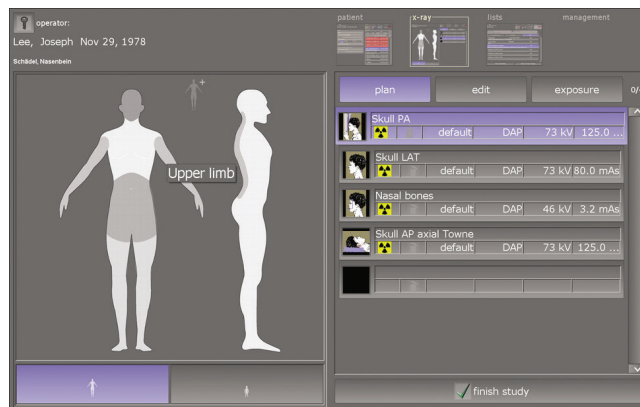
## DIGITAL RADIOGRAPHIC SYSTEMS AND RETROFIT PACKAGES

## SUPERIOR IMAGE PROCESSING

- Perfect images at all times - generally no adjustment required
- Integrated software for automatic image optimization
- Adaptable image processing for each individual examination to obtain best possible image settings for the needs of each customer
- User can vary the x-ray settings on a large scale while the image quality remains virtually the same
- Bones and soft tissue in one image - this allows the user to significantly improve his diagnosis
- Details of bones and microstructures are very easy to recognize
- Noise suppression
- Black mask (automatic shutters)
- Automatic grid suppression

## SOPHISTICATED IMAGE DIAGNOSIS

- Completely integrated viewer for image diagnosis with further image processing, storage of images in SQL database including image manipulations, export options, layout adjustments, freely configurable user interface and much more
- Zoom, PAN, magnifying glass, ROI, crop, rotate, mirror
- Insertion of image annotations (text, arrows, ellipses, ect.)
- Measuring of distances, angles, areas and density
- Window/level adjustment and gamma correction, sharpening filters
- Calculation of Cobb's angle, HD measurements, pelvic obliquity measurements, integrated capturing of diagnostic reports
- Printing of images both on Window and laser printers via DICOM Basic Print
- Creation of DICOM patient CDs with free WEB viewer
- Export images in JPEG, TIFF, BMP and DICOM formats
- Easily upgradable to the integrated image management system (PACS)



## INTEGRATED IMAGE DISTRIBUTION

- Worldwide image distribution to colleagues or patients via Web Server (optional) - images can be accessed from any PC with internet access
- Optional Mobile View - web based viewer where images can be accessed from mobile devices such as iPhones, iPad
- Option of direct auto-routing of images to external radiologists
- On request, images can be archived externally via the web server
- Images can be sent to PACS systems or other databases via DICOM Store



For more information, please visit our website at [www.cxmed.com](http://www.cxmed.com) or contact your local authorized distributor.



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