



XPERT 20

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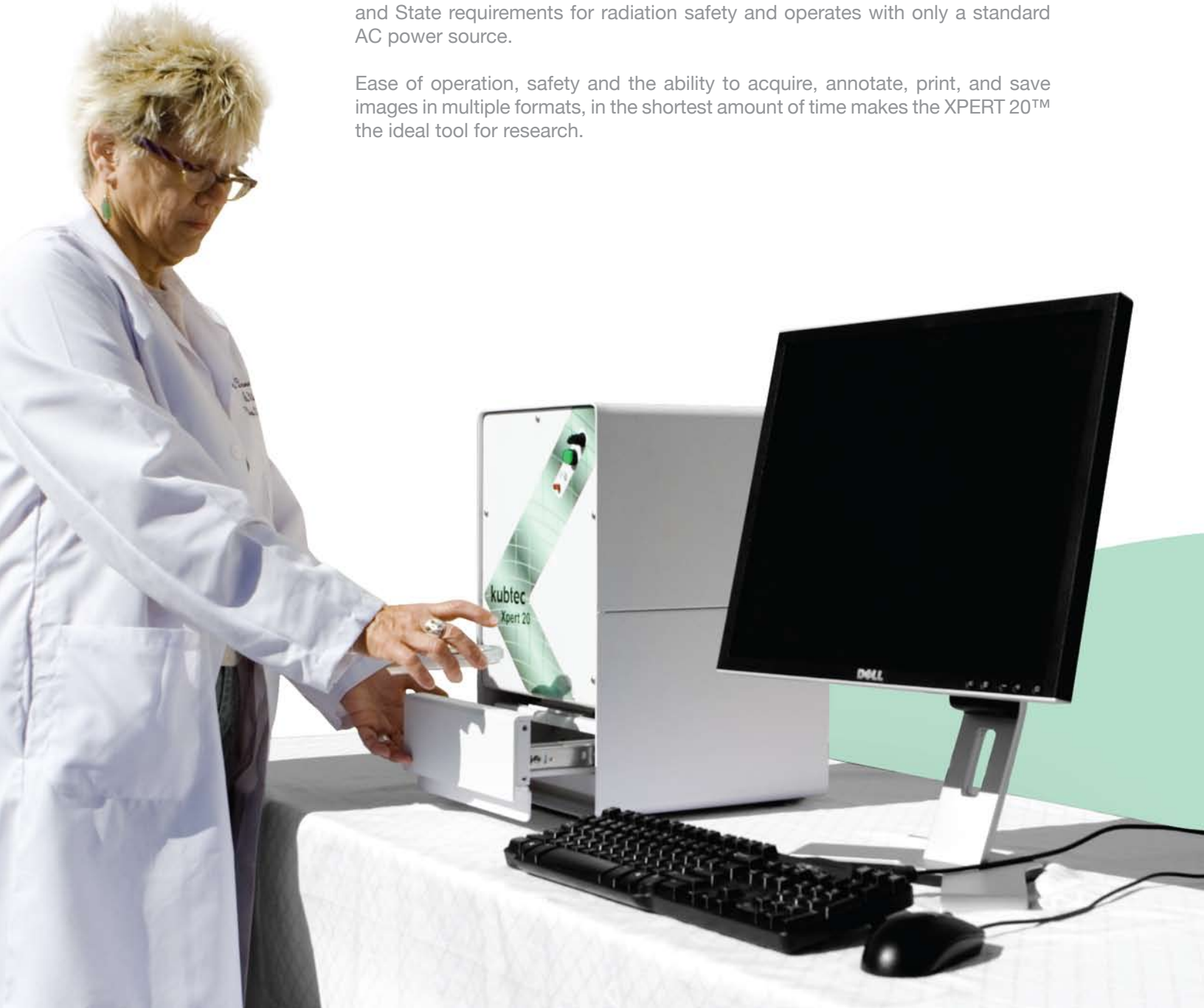
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Where space is at a premium and efficient, high quality x-ray imaging is imperative, the digital XPERT 20™ is the solution. A self-contained, shielded cabinet x-ray system offering feature-rich, user-friendly software in a cabinet that takes up less real estate than a PC monitor. With zero warm up time, the XPERT 20™ offers AEC (automatic exposure control), auto-calibration, and the ability to save images, with annotations, in multiple formats.

A small focal spot x-ray source provides increased visibility and sharpness of detail for imaging features and abnormalities in specimen samples. With an X-ray source of up to 25kV and 1.0mA, the XPERT 20™ provides images with the highest resolution to locate the smallest detail.

Designed for use in the most limited spaces with complete shielding and other radiation safety features, the XPERT 20™ is fully compliant with U.S. Federal and State requirements for radiation safety and operates with only a standard AC power source.

Ease of operation, safety and the ability to acquire, annotate, print, and save images in multiple formats, in the shortest amount of time makes the XPERT 20™ the ideal tool for research.





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applications

Digital radiography of mice and other small specimens of comparable size

features

- Compact size for use in areas with limited space availability
- AEC based fully automated digital imaging with manual option included
- Ability to annotate and save images in multiple formats
- Automatic calibration
- Film print option

specifications

- Energy Range: 10-25 kV
- Tube Current: Up to 1.0 mA
- Window Filtration: 0.005" beryllium
- Power: 90-250 VAC, 50/60 Hz, 400VA
- Size: 27.5cm X 30cm X 45cm (11" x 12" x 18")
- Weight: 70lbs

available detector sizes

- 5cm X 5cm (2" x 2"), 5cm X 10cm (2" x 4")
- Up to 16 bit contrast resolution
- DICOM compliant software available



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of KUB Technologies, Inc.

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For ease of operation and image detail in specimen radiography, the XPERT 40™ is the answer. This self-contained, shielded cabinet X-ray system is designed to meet imaging requirements for surgically excised tissue and stereotactic biopsies. The XPERT 40™ eliminates scheduling conflicts in Mammography and reduces time in Surgery for intra-operative imaging of specimens. The XPERT 40™ also has applications in Pathology for inspection of tissue specimens and wax blocks.

The XPERT 40™ provides high resolution, high contrast, X-ray images, using either radiographic film, CR, or the DIGIVIEW™ line of digital detectors up to 8 x 8 inches (20 cm x 20 cm) in size. A small focal spot x-ray source and adjustable sample positioning provides the XPERT 40™ with up to 5X magnification increasing visibility and detail of the smallest abnormalities. An x-ray source of up to 50kV and 1.0 mA provides easy penetration and eliminates the concerns of imaging dense surgical tissue in any specimen container.

The XPERT 40™ has zero warm up time, AEC (automatic exposure control), auto-calibration, and the ability to send multiple images, with annotations, to PACS. Included with the standard DICOM compliant feature-rich software is a 3D filter that adds a sharpness of detail for locating micro-calcifications or minute variations and subtle changes in density. The touch screen monitor and mobile cart option make the XPERT 40™ an easily maneuverable and user friendly unit offering the flexibility to meet the demands of every application.

When the demands are for versatility and high resolution imaging, look to the XPERT 40™ from KUBTEC, **The Leader in Digital Specimen Radiography Systems.**

With its complete shielding and other required radiation safety features, the XPERT 40™ is in full compliance with US Federal and State requirements for radiation safety.



applications

Digital radiography of stereotactic cores and intra-operative imaging of excised tissue

features

- AEC based fully automated digital imaging with manual option included
- Automatic calibration with zero warm up time
- Ability to send multiple images to PACS with annotations
- Up to 5X geometric magnification
- Dedicated 3D imaging filter for enhanced visibility of micro-calcifications

specifications

- Energy Range: 10-50 kV
- Tube Current: Up to 1.0 mA
- Window Filtration: 0.005" beryllium
- Film Coverage: 10" x 12"
- Power: 90-250 VAC, 50/60 Hz, 500VA
- Size: 23"w x 23"d x 50"h
- Weight: 250 lbs.

Specifications are subject to change without notice

available detector sizes

All systems come with 16 bit contrast resolution and DICOM compliant software

- 5 cm X 5 cm (2" x 2")
- 5 cm X 10 cm (2" x 4")
- 10 cm X 10 cm (4" x 4")
- 20 cm x 20 cm (8" x 8")



XPERT 80-L

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KUBTEC's XPERT 80-L, for large area imaging, is a multi-purpose cabinet x-ray system bringing high quality medical-grade imaging and ease of use to applications in scientific research, pathology and industry.

A small focal spot with an x-ray source of up to 160 kV and 1000 watts offers brighter images with higher contrast for visibility of the smallest details and most subtle variations in density. Optional sources are available for micro-focus and soft x-ray applications. The XPERT 80-L supports digital detector sizes up to 16" x 16" (400 mm x 400 mm) for viewing of larger specimens in a single image. The high-contrast 16 bit detectors along with KUBTEC's suite of user-friendly image analysis software provide multiple frames of information in one image, in seconds. An image can be acquired, measured precisely, areas of interest located, annotated and saved in multiple formats, minimizing a specimen's exposure to radiation.

The XPERT 80-L's self-contained cabinet has a stainless steel interior chamber with the capacity to introduce anesthesia and cables for monitoring devices through multiple portals. Fans integrated into the system dissipate heat and ventilate the chamber. The touch screen interface, mobile platform, and standard AC power requirement allow the XPERT 80-L to be conveniently located and operated in most environments. Completely shielded, the XPERT 80-L is fully compliant with International and U.S. Federal requirements for radiation safety.



applications

Analog and Digital Radiography and Irradiation for Science, Research, and Industry

features

- AEC based fully automated digital imaging with manual option included
- Automatic calibration with zero warm up time
- Stainless steel interior with multiple portals and vent fans
- Up to 5X geometric magnification
- Mobile platform for easy transportation

specifications

- Energy Range: 10-160 kV
- Tube Current: Up to 1000 watts
- Window Filtration: 0.005" beryllium
- Film Coverage: 14" x 17"
- Power: 90-250 VAC, 50/60 Hz, 500VA
- Size: 36" w x 36" d x 51" h
- Weight: 500 lbs

Specifications are subject to change without notice

available detector sizes

All systems come with 16 bit contrast resolution and DICOM compliant software

- 5 cm X 5 cm (2" x 2")
- 5 cm X 10 cm (2" x 4")
- 10 cm X 10 cm (4" x 4")
- 20 cm x 20 cm (8" x 8")
- 40 cm x 40 cm (16" x 16")
- Analog and CR Cassette based systems also available

