

UltraFocus 100

Digital Radiography System

Delivering a large field of view and ultra-high resolution.

The compact and fully shielded x-ray cabinet can be placed directly on the bench top in your lab or wherever you need easy access to imaging.



UltraFocus 100

Multiple detector sizes coupled with the wide energy range from 10 - 100kV makes the UltraFocus100 ideal for imaging a broad range of both biological and light NDT samples. The 8µm focal spot and 6X geometric magnification provide up to 60lp/mm resolution images. The advanced Automatic Exposure Control allows the system to automatically select the appropriate exposure time and kV settings for the sample, with a single click of the mouse.

Contact us today!

T +1-877-910-0030

E sales@faxitron.com

www.faxitron.com

View this product online



Features & Benefits

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No additional x-ray shielding required
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No specialized x-ray knowledge needed to operate
- ---

Plugs into any standard A/C outlet
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Stainless steel inner chamber designed for easy cleaning
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Laser centering guide & transparent window ensure proper sample positioning
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Magnification shelf with field of view guides and automatic position detection provides for up to 6X geometric magnification with accurate measurements at any level
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Single click calibration with auto object detect allows for simple, error-free calibration
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One button operation with Automatic Exposure Control (AEC) optimized for a variety of samples (manual exposure settings also available)
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Images instantaneously displayed on 22" high resolution 2.3MP monitor (included)
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Remote diagnostic and support over the web

Detector Options

Sample imaging area	23cm x 29cm (9" x 11.5")
Pixel pitch	74.8µm
Spatial resolution	Up to 40+lp/mm at 6X geometric magnification

Sample imaging area	10cm x 15cm (4" x 6")
Pixel pitch	48µm
Spatial resolution	Up to 60lp/mm at 6X geometric magnification

Specifications

Energy range	10 - 100kV
Tube current	0.3mA max (isowatt limited to 12W from 41-100kV)
Focal spot size	8µm
Window filtration	0.25mm Be, tungsten source
Power	100-240VAC ±10%, 50/60Hz, 150VA
Dimensions external	23" W x 21" D x 36" H (59cm x 54cm x 90cm)
Dimensions internal	15.4" W x 15.4" D x 22" H (39cm x 39cm x 56cm)
Weight	415lbs (188kg)
Shipping Weight	510lbs (230kg)

