



## High-Resolution Digital Radiography System

### UltraFocus by Faxitron®

UltraFocus is a fully shielded x-ray cabinet offering a large field of view and ultra high-resolution for imaging a broad range of biological and light NDT samples.



### UltraFocus FEATURES

#### Ultra High-Resolution Imaging

With a choice of a 10 x 15cm or 23 x 29cm detector coupled with an 8 $\mu$ m focal spot tube and up to 10X geometric magnification, UltraFocus provides the largest field of view with the highest resolution on the market.

#### Automatic Calibration and AEC

UltraFocus quickly and automatically calibrates on a daily basis, utilizing our proprietary dynamic calibration routine to ensure reproducibility of results. With a single click or push of a button, advanced Automatic Exposure Control (AEC) automatically selects the appropriate exposure time and kV settings for any sample.

#### Self-Contained and Safe

UltraFocus is fully shielded and exceeds FDA radiation safety standards. It is self-contained with no additional x-ray shielding required; simply plug into any standard A/C outlet. The unit is also NRTL Certified by Intertek for Electrical Safety.

#### Accurate Positioning and Measurement

A laser centering guide and viewing window ensure simple and proper sample positioning. The magnification shelf with field of view guides and automatic position detection provides accurate measurements at any level.

#### Compact and Convenient

UltraFocus was designed with a manageable footprint for the lab or wherever you need easy access to imaging. Its stainless steel inner chamber allows for easy cleaning and the access port provides a safe method for inserting cabling and hoses into the chamber without risk of radiation exposure.

#### Easy to Use

No additional training or specialized x-ray requirements are needed to operate UltraFocus.

**UltraFocus**

Detector Options



<b>Imaging area</b>	23cm x 29cm (9" x 11.5")
<b>Pixel pitch</b>	48µm
<b>Spatial resolution</b>	5µm at 10X geometric magnification
<b>Imaging area</b>	10cm x 15cm (4" x 6")
<b>Pixel pitch</b>	48µm
<b>Spatial resolution</b>	5µm at 10X geometric magnification

Specifications

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