

UltraFocus^{XL}

Extra Large Field of View Digital Radiography System

Introducing UltraFocus^{XL} by Faxitron®

A larger, more versatile, fully shielded digital x-ray cabinet providing the ability to image larger samples—without sacrificing resolution.



UltraFocus^{XL} FEATURES

Larger Cabinet and Detector Size

Image samples that are currently too big for existing cabinet x-ray systems thanks to an expanded cabinet and a larger 17" x 17" (43cm x 43cm) imaging area.

Best-in-Class Resolution

With native detector resolution of 100 microns and effective resolution up to 10 microns, UltraFocusXL provides the highest resolution in its class. Multiple levels of geometric magnification (up to 10X) allow imaging of all samples at the highest resolution.

More Versatile

Proprietary Automatic Exposure Control (AEC) selects the optimal x-ray exposure settings to ensure the highest image quality for a broad range of biological and light NDT samples. Manual exposure mode is also available for multi-layer samples and those containing a variety of components.

Ergonomic Design

Fully integrated, floor standing system with heavy duty casters fits easily into any lab and plugs into any standard A/C outlet.

Easy to Use

No extensive training or specialized x-ray knowledge is required to operate. The intuitive software was designed to meet the imaging needs of both research and industrial users.

Safety and Support

Independently certified by a Nationally Recognized Testing Laboratory (Intertek) to the highest international standards. Product specialists are available to provide remote support and diagnostics.

UltraFocus^{XL} Specifications



Imaging Area	43cm x 43cm (17" x 17")
Pixel Pitch	100µm (18.7 million pixels)
Scintillator	Direct deposited Csi
Magnification	Up to 10X
Spatial Resolution	10µm at 10X magnification
Energy Range	20 - 100kV
Tube Current	1.0mA max (limited to 12W)
Focal Spot Size	<15µm
Tube Filtration	0.25mm Be, tungsten source
Power Requirements	100-240VAC, 50/60Hz
External Dimensions	34" W x 31" D x 62" H (86cm x 79cm x 158cm)
Chamber Dimensions	25" W x 25" D x 36" H (64cm x 64cm x 92cm)
Weight	1,400lbs (635kg)