

X-Rad

Multi-functional, expandable,
radiation research systems



PRECISION
X-RAY IRRADIATION

X-Rad225XL

Designed for small animal irradiation and targeted studies

X-Rad320

The world leader in x-ray irradiation

X-Rad160XL

The best choice for cell irradiation and biological research



Features

- Imaging capabilities with OptiMAX
- Large internal x-ray chamber
- Full screen, real-time specimen viewing and image capture during exposure
- Motorized turntable and adjustable programmable specimen shelf
- Focal irradiation with automated or fixed collimators
- Integrated filter recognition
- Dynamic programmable set-ups with one touch recall
- Dose Measurement and Control software
- Daily automated dose QA

Research Applications

- Small Animal Irradiation
- Whole-body Irradiation
- Targeted Irradiation
- Cell Irradiation
- Stem Cell Research
- Cancer Research
- Immunoradiotherapy
- Radiation Injury Studies
- Translational Radiobiology
- Imaging & Biomarkers
- Virus Inactivation
- Sterilization

X-Rad

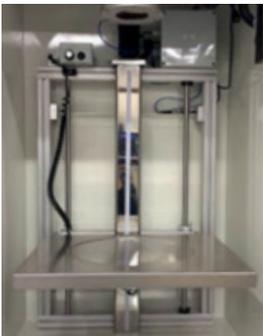
The standard by which all other irradiator cabinets are measured



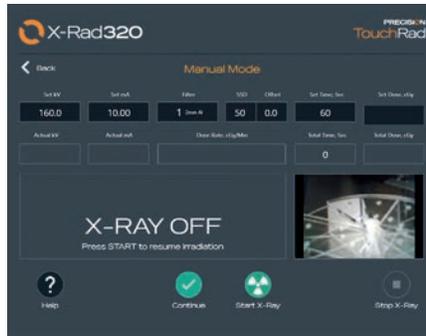
OptiMAX 2D image-guided radiotherapy module, expands capabilities by providing researchers with multi-modality imaging, including BLI, x-ray, and radioisotopic imaging.



Planetary turntable holds multiple cell plates and pie cages for increased throughput. Rotation ensures uniform dose delivery.



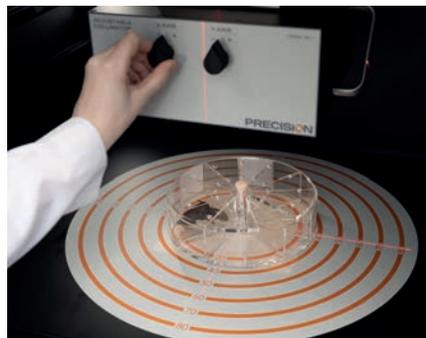
Programmable motorized shelf allows users to change the source to shelf distance to accommodate various dose settings.



Real-time specimen viewing allows users to easily monitor specimens within the cabinet chamber.



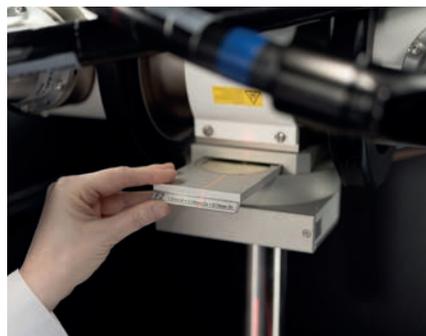
Environmental chamber to introduce and control gases. Allows variables like humidity, temperature, or hypoxic conditions, to be changed during treatment.



Dynamic and fixed collimators limit the beam for focal or targeted irradiation studies; while laser centering aids in positioning the specimen within the center of the irradiation field.



Anesthesia system compatibility provides a safe and efficient delivery of anesthesia to specimens during treatment, while active scavenging prevents exposure to personnel.



Interchangeable filters absorb low energy photons, while filter recognition takes the guesswork out of setting up a program.



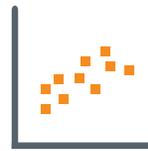
X-Rad / Brochure / Rev.01 / May2023

Whether a new or existing customer, Precision will be with you every step of the way



Service Packages

From single to multi-year warranties, we have a plan that fits your service and budget requirements.



Dose Mapping

Visualizing dose variations across the irradiation field to more effectively plan and set-up protocols.



Remote Support

The first line of support to diagnose and troubleshoot problems while keeping downtime to a minimum.



Product Options & Upgrades

Helping you get the most out of your technology today and into the future.



Preventative Maintenance

Proactive care to keep systems running at their optimal level of performance.



Customer Training & Support

Our specialists ensure you get the results you are looking for.

