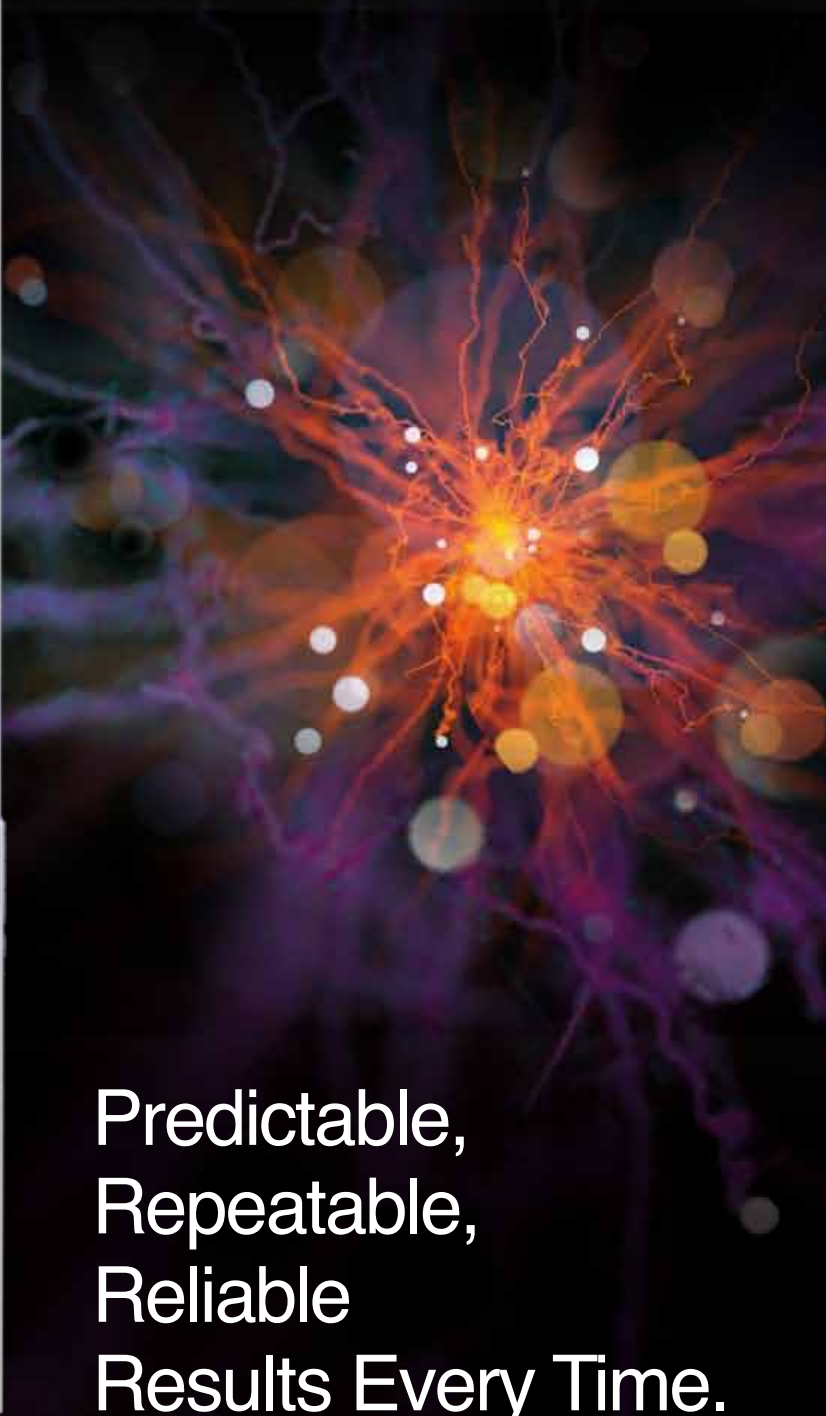


KIMTRON™
MEDICAL DIVISION

Biological Irradiators



Predictable,
Repeatable,
Reliable
Results Every Time.

Kimtron™ Biological Irradiator System Sub-components

Kimtron™ IC Series Biological Irradiator Systems allow you to fulfill your biological research needs with the greatest of ease. Our user interface software is simply intuitive and allows multiple users. With one of the best warranties in the space, our robust systems will delivery consistent, reliable, repeatable results with the greatest of predicability.

The Kimtron™ Advantage:

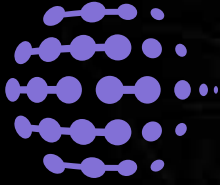
- ISO 9001 Certified
- All system components are manufactured in the USA.
- Kimtron operates a fully equipped repair center servicing all equipment sold.
- Kimtron's field service department is considered to be the premier service organization in terms of; rapid response, quick turnaround and availability of parts.
- Fully staffed electrical and mechanical engineering departments
- 24 x 7 support

At the heart of our Biological Irradiator is our exclusive **Kimtron™ Polaris®** High Voltage Power Supply. The most powerful in its class!

Power Supply Advantages:

- X-ray Tube Arc Impervious: Withstands up to 10 arcs per second at full load.
- Active Filament Management: No filament current overshoot beyond tube limit or emission overshoot during rapid ramp-up.
- Filament friendly design: Extends X-ray tube life.
- Solid State Filament Relay Circuitry: Eliminates mechanical contact failure.
- Active Power Factor Correction (PFC) >98% @ full load.
- Fastest Rise time available: From zero to full power in 500ms.
- Superior stability with lowest kV ripple on the market.
- Ultra-sensitive stable mA: Regulation down to 100 micro amps.
- Complete stability throughout the entire kV range
- Lowest power consumption on the market: More efficient than competitive units.





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Kimtron™ IC Series Biological Irradiator Systems Offer Superior Advantages such as

- Fully self-contained Irradiator cabinet – built to strict Aerospace standards
- *UHP (Ultra High Power) Kimtron™ Polaris® HVPS's technology, the most robust HVPS in the industry
- *Kimtron™ SC-500/M full featured X-ray controller
- *Kimtron™ 5000-OA tube-cooler™, ultra-low-noise laboratory version (quietest on the market)

* Denotes Kimtron Exclusive Features

The Kimtron™ SC-500 HMI is the most technically advanced, user-friendly X-ray system controller on the market. The unit was designed with open architecture as a main design criterion and as such, is easy to use and maintain by all end users.



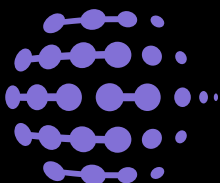
Predictable,
Repeatable,
Reliable
Results Every Time.



An X-ray tube's biggest enemy is heat. Performance, reliability and tube life are directly affected by this. Our Kimtron Tube-Coolers™ ensure we keep you running cool.

Kimtron™ Tube-Cooler™ Advantages:

- Disposable air intake filters keeps radiators clean in harsh environments
- Fluid flow safety interlock
- Fluid temperature safety interlock
- Fluid pressure indicator
- Real-time fluid temperature display
- Single panel service-access
- Easy service-access to all components
- Designed specifically for high duty cycle metal-ceramic X-ray tubes



KIMTRON™
MEDICAL DIVISION



Made In America

Kimtron™ IC-160, IC-225 & IC-350 Specifications

Kimtron™ IC-160 Specifications



- Chamber dimensions: H = 38" x W=29.75" x D=36.5"
- Outside dimensions: H = 79" x W=35" x D=46"
- System weight: 3,800 pounds
- System requirements:
 - Electrical: 220± 10%, 30A, single phase w/earth ground
- Water: N/A
- Shop Air: N/A

Kimtron™ IC-225 Specifications



- Chamber dimensions: H = 38" x W=29.75" x D=36.5"
- Outside dimensions: H = 79" x W=35" x D=46"
- System weight: 4,200 pounds
- System requirements:
 - Electrical: 220± 10%, 30A, single phase w/earth ground
- Water: N/A
- Shop Air: N/A

Kimtron™ IC-350 Specifications

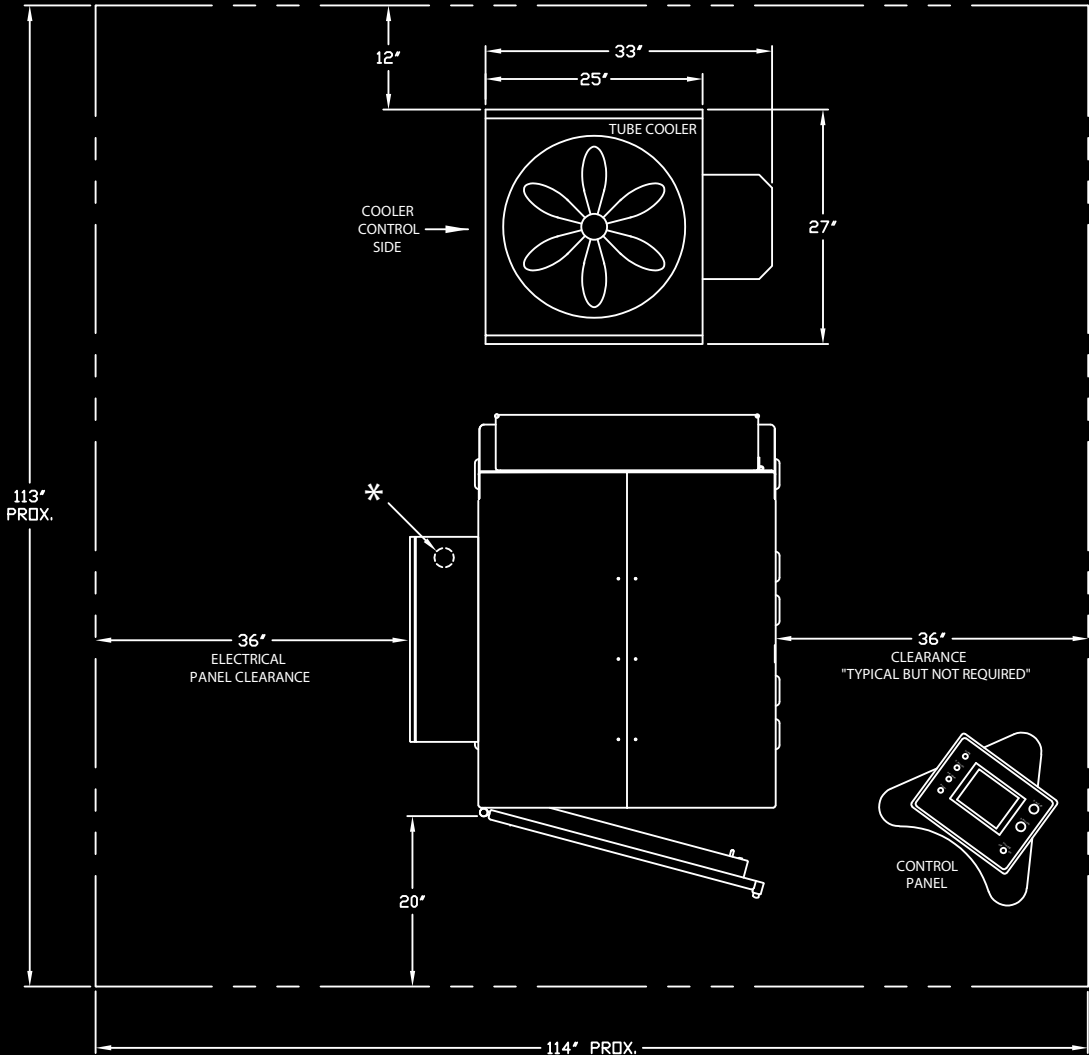


- Chamber dimensions: H = 45" x 34" x 34"
- Outside dimensions: H = 79.5" x 35.5" x 35.5"
- System weight: 4,800 pounds
- System requirements:
 - Electrical: 220± 10%, 40A, single phase w/earth ground
- Water: N/A
- Shop Air: N/A



For more detailed specifications on each of our IC Biological Irradiator Systems go to www.kimtron.com/biological-irradiators

Spatial Parameters of all systems including all components (top view)



**Bespoke options available for
your exact experimental needs.**

Inquire at Kimtron.com/contact us
or call us at 203·262·3361.

ISO-9001 Certified



Made In America



ISO 9001