

# Exertus Selen 80



The Exertus Selen Circa Projector range is a new generation of 'close proximity' Tungsten shielded gamma radiography projector - it has the ability to accept Selenium 75 sources. This projector offers the latest design that makes it flexible, yet compact.

These Projectors can be used for either normal radiography methods or for radiography where close proximity work is needed. The design incorporates a Directional tungsten Collimator which connects directly to the Projector. This reduces the radiation controlled area significantly and allows operations in the close vicinity to continue during exposure.

Safety is an integral part of the Exertus Selen Isotope Projector range - a three colour signal indicator provides the user with a clear visual guide as to the position of the source at all times.

Once the source is safe inside of the Projector and the Projector is locked (Safe mode) - a Green signal will indicate that. When the source is inside the Projector, but the projector is unlocked and the source assembly locking mechanism is ready to be released - a yellow signal will indicate that. When the source is ready for exposure or outside the projector (exposure mode) - a red light will indicate that.



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# Exertus Selen 80 Projector

## Technical Specifications

Basic Construction Standards	ISO 3999 Compliant
Isotopes	Ir-192 or Se-75 under special form
Ir-192 half life	73.8 days
Se-75 half-life	119.8 days
Activity	
Ir-192	
Se-75	
Surface Dose Rate	
Total Weight	
DU Weight	
DU Activity	
Dimensions	
Length	
Width	
Height	
Materials Used	
Outer Shell	
Shielding	
Labyrinth	
Flanges	
Temperature Range	
Relative ambient air humidity	



## Features

- Automatic Source Assembly locking Mechanism
- Locking Mechanism triggered by Source Holder Capsule
- Projector can be locked and disconnected only with Source in Safe Position
- Three Colour Signal Indicator System



Source Assembly is secured and the Projector is locked



Projector is unlocked and Source Assembly Locking Mechanism is ready to be released



Source Assembly Locking Mechanism is released and ready to expose

## Optional Accessories

- Reel Type or Pistol Grip Remote Controls
- Guide Tubes
- Source Terminals
- All fittings made out of stainless steel
- Collimators:
  - Panoramic 360°
  - Diameter
  - Length
  - Aperture
  - Material of Construction
- Directional 60°
  - Diameter
  - Length
  - Aperture
  - Material of Construction



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