

# Exertus Dual 120 Projector



The Exertus Dual 120 Projector has the ability to accept Iridium 192 sources or Selenium 75 sources. This projector incorporates design and safety features that make it flexible, compact and lightweight.

The Projector is lighter than most of its competitors. It incorporates an improved source channel, based on a new helicoidal design, which makes maintenance easier.

The helicoidal design also allows smoother movement of the source assembly inside

the device, making it easier for the operator and improving safety.

The Projector also has a unique safety feature not found in competitive products.

The source assembly locking mechanism is triggered by the source holder capsule at the front of the source assembly, thereby always assuring the operator that the source has returned to the safe position.

The Exertus Dual 120 is ISO3999:2004 compliant.



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# Exertus Dual 120 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	4.44 Tbq (120 Ci)
Se-75	4.44 Tbq (120 Ci)
Surface Dose Rate	Max. 2 mSv/h
Total Weight	22 kg (48.5 lb)
DU Weight	14 kg (28 lb)
DU Activity	7.4 mCi (273 MBq)
Dimensions	
Length	302 mm (11.89")
Width	124 mm (4.88")
Height	207 mm (8.15")
Materials Used	
Outer Shell	CrNi steel
Shielding	Depleted Uranium
Labyrinth	Tungsten Heavy Alloy
Flanges	Aluminium
Temperature Range	-40 °C up to +40 °C
Relative ambient air humidity	95% at +35 °C




## 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	Lengths: 7.62m, 10m, 15m
Guide Tubes	Lengths: 2.1m, 3m
Source Terminals	
All fittings made out of stainless steel	
Collimators:	
Panoramic 360°	
Diameter	44mm
Length	77mm
Aperture	360° x 20°
Material of Construction	Tungsten Heavy Alloy encased in Stainless Steel Shell
Directional 60°	
Diameter	38mm
Length	48mm
Aperture	60°
Material of Construction	Tungsten Heavy Alloy



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