EXERTUS® VOX 100

In order to provide quality control of industrial products, Colbalt-60 is a preferred isotope for the radiography of steel. The Exertus® VOX 100 projector is an integration of all the Exertus Projectors and has the ability to accept Co-60 sources.

Exertus® VOX 100 Projector integrates an improved source channel based on a new helicoidal design, which makes maintenance easier. It also allows smoother movement of the source assembly inside the device, making it easier for the operator and improving safety.

EXERTUS® VOX 100 is ISO3999:2004 compliant.

Safety is an integral part of the Exertus® VOX 100 Projector - 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 signal will indicate that.

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EXERTUS® VOX 100

Technical Specifications

Basic Construction Standards	ISO 3999:2004 Compliant
Isotopes	Co-60 under special form
Co-60 half life	Co-60 Half life 5.27 years
Activity	
Co-60:	3.7 TBq (100Ci)
Surface Dose Rate	Max. 2mSv/h
Total Weight	185 kg
DU Weight	125 kg
DU Activity	65.88 mCi (2437.34MBq)
Dimensions	
Length	450mm (17.7”)
Width	270mm (10.63”)
Height	320mm (12.6”)
Materials Used	
Outer Shell	Stainless Steel
Shielding	Depleted Uranium
Labyrinth	Tungsten Heavy Alloy
Type	B(U) RUS / 5809 / B(U)-96T

Features

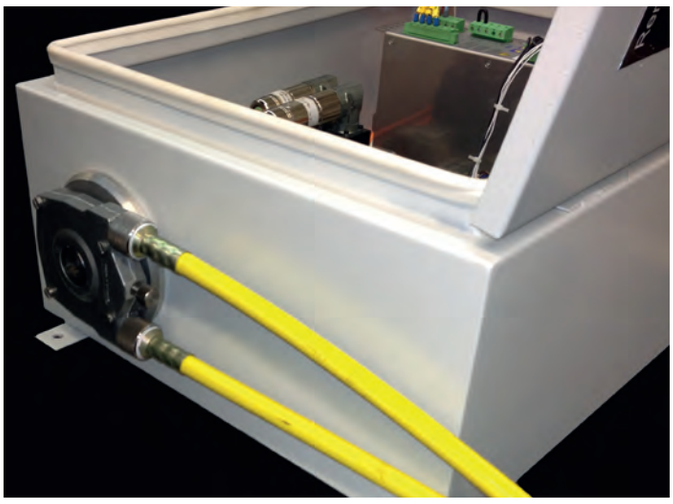
Automatic Source Assembly Locking Mechanism
Locking Mechanism triggered by source holder capsule
Projector can be locked and disconnected only with Source in Safe Position
Three Colour Signal Indicator System

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

Electrical Remote Control



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Email: info@oserix.com • www.oserix.com