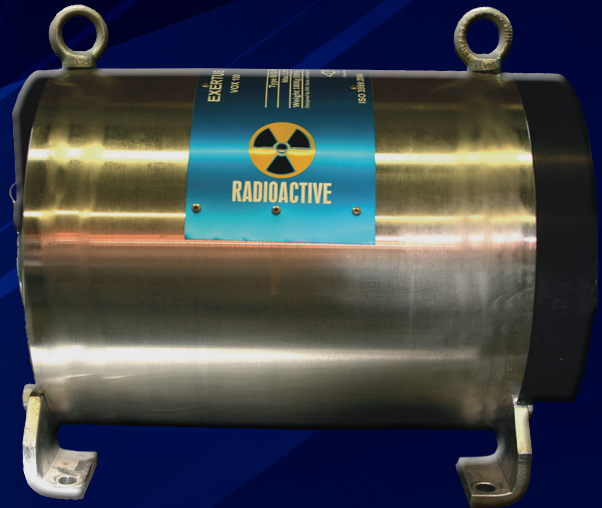


# Exertus® Vox 100

For the radiography of bigger steel in industrial product quality control, Cobalt-60 is the preferred isotope. The *Exertus®VOX 100* projector is a comprehensive integration of all Exertus projectors and is specifically designed to accommodate Co-60 sources.

The Exertus®VOX 100 Projector incorporates an enhanced source channel with a new helicoidal design, simplifying maintenance procedures. This design also enables smoother movement of the source assembly within the device, enhancing operator convenience and safety.

In terms of compliance, the EXERTUS®VOX 100 adheres to ISO 3999 standards, ensuring the necessary quality and safety requirements are met. Safety is a paramount consideration in the Exertus®VOX 100 Projector, and a three-color signal indicator provides users with a clear visual indication of the source's position at all times.



The signal indicator operates as follows: When the source is safely contained within the projector and the projector is locked in the «Safe» mode, a green signal is displayed. When the source is inside the projector but the projector is unlocked, and the source assembly locking mechanism is ready for release, a yellow signal is displayed. Lastly, when the source is either ready for exposure or outside the projector in the «exposure» mode, a red signal is displayed.

Additionally, the Oserix product range offers a Vox 400 projector, which can accommodate a maximum of 400Ci and provides further options for radiation applications.

Your **NDT** partner



# Exertus<sup>®</sup> Vox 100

## TECHNICAL SPECIFICATIONS

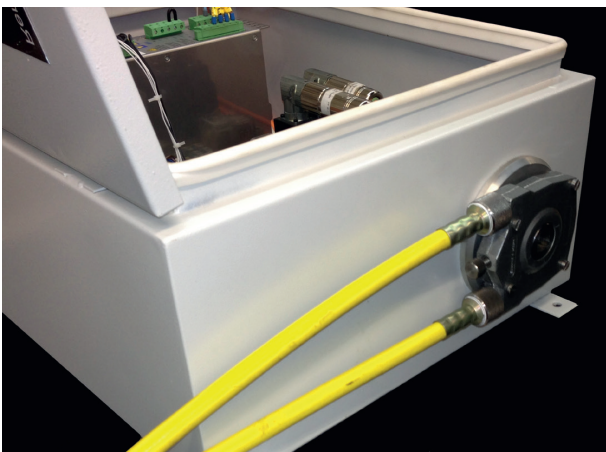
|                                     |                            |
|-------------------------------------|----------------------------|
| <b>Basic Construction Standards</b> | ISO 3999 Compliant         |
| <b>Isotopes</b>                     | Co-60 under special form   |
| <b>Co-60 half life</b>              | Co-60 Half life 5.27 years |
| <b>ACTIVITY</b>                     |                            |
| <b>Co-60</b>                        | 3.7 TBq (100Ci)            |
| <b>Surface Dose Rate</b>            | Max. 2mSv/h                |
| <b>Total Weight</b>                 | 185 kg                     |
| <b>DU Weight</b>                    | 124 kg                     |
| <b>DU Activity</b>                  | 65.88 mCi (2437.34MBq)     |

## DIMENSIONS

|               |                |
|---------------|----------------|
| <b>Length</b> | 450mm (17.7")  |
| <b>Width</b>  | 270mm (10.63") |
| <b>Height</b> | 320mm (12.6")  |

## MATERIALS USED

|                       |                      |
|-----------------------|----------------------|
| <b>Outer Shell</b>    | Stainless Steel      |
| <b>Shielding</b>      | Depleted Uranium     |
| <b>Source Channel</b> | Tungsten Heavy Alloy |
| <b>Type</b>           | B(U) Certified       |



Electrical Remote Control



## FEATURES

Automatic Source Assembly Locking Mechanism is triggered by the front of the Source Assembly, thus ensuring that the Projector can only be locked and disconnected with Source in the 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.

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